

UA-XVR1620

User's Manual



Before attempting to connect or operate this product, please read these instructions carefully and save this manual for future use.

UVSUAAI-UM-C



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Scan the following QR codes for product warranty and technical support policy:



[Warranty]



[Technical Support Policy]

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SAFETY INSTRUCTION

Please carefully read the following safety instruction so as to avoid personal injuries and prevent

the equipment and other connection devices from being damaged.

1. Power sources (note: please use the power supply attached or specified by the

manufacturer)

Never operate the equipment by using unspecified power supply.

2. Never push objects of any kind through openings of DVR

Never push objects of any kind through openings of DVR so as to avoid electric shock or other accidents.

3. Do not put the equipment in the dusty field

Do not put the equipment in the dusty field.

4. Do not place the equipment under rain or humid environment

Do not place the equipment under humid environment like basement. If the equipment is accidentally in contact with water, please unplug the power cable and immediately contact your local dealer.

5. Keep the surface of the equipment clean and dry

Use soft damp cloth to clean the outer case of DVR (do not use liquid aerosol cleaners)

6. Do not operate if any problems are found

If there are any strange smell or sound from DVR, unplug the power cable and contact the authorized dealer or service center.

7. Do not try to remove the upper cover

Warning: Do not remove the cap of DVR so as to avoid electric shock.

8. Handle with care

If DVR does not work normally because of hitting on the hard object, please contact the authorized dealer for repair or replacement.

9. Use standard lithium battery (Note: Use the batteries attached or specified by the manufacturer)

After cutting off the power supply, if the system clock cannot continue to work, please replace the standard 3V lithium battery on the main board.

Warning: Turn off DVR before replacing the batteries, or you may be suffered from serious electric shock. Please properly dispose of the used batteries.

10. Put the equipment in a place with good ventilation

The DVR system includes HDD, which produces large amount of heat during operation. As a result, do not block the ventilation openings (on the top, bottom, both sides and the reverse side) for cooling the system during operation. Install or put the equipment in the place with good ventilation.

11. The attached power adapter can only be used for 1 set of DVR. Do not connect more equipment, or DVR may be restarted repeatedly because of insufficient power.

12. Prevent the equipment from water dropping or splashing. Do not place objects containing water, such as flower vase, on the equipment.

13. Do not ingest battery, Chemical Burn Hazard,

This product contains a coin / button cell battery.

If the coin / button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.

Keep new and used batteries away from children.

If the battery compartment does not close securely, stop using the product and keep it away from children.

If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

Chapter 1 Product Overview

1.1 Front Panel



ltem	Description
Power LED	Show constant green when power is supplied.
	Blink red when the HDD is writing or reading data.
	No LED when no HDD is installed.
USB port	Connect the supplied mouse or USB flash memory.

1.2 Rear Panel



Item	Description
e-SATA	Connect to e-SATA HDD for recording & backup.
Audio Input (1-4)	Connect with audio input signals, RCA port.
Audio Input (5-16)	Connect to the input ports with supplied connector.
CVBS	Connect to your TV or monitor, BNC port.
Audio Output	Audio signal output, RCA port.
Video Input	Connect with video input devices, BNC port.
VGA	Connect to your TV or a monitor with VGA input.
RS-485	Connect to PTZ devices.



Sensor & Alarm	Optional. Connect to external sensor & alarm devices.
HDMI	Connect to your digital TV or monitor with HDMI input.
LAN	Connect to your home network.
USB port	Connect the supplied mouse or USB flash memory.
Power	Connect to the supplied power adaptor.
	Load default settings of the DVR.
Reset	Note: The Reset button is below the USB port. Poke the Reset button to
	load default settings.
Power Switch	Turn on / off power supply.

Chapter 2 DVR Installation & Connection

2.1 HDD Installation

Follow the instructions below to install the HDD in the DVR for video data storage.

Caution: DO NOT install or remove the hard drive while the power is turned ON.

Note:

- 1. The DVR supports 3.5" and 2.5" SATA HDD of up to 10 TB only.
- 2. The following procedures are for reference only. The practical operation may be different depending on the model you purchased.
- (1) Cut power firstly, and then remove screws on both sides & rear panel, and open DVR upper cover.



(2) Connect the data and power cables to the HDD and place the HDD on the DVR case. Carefully flip the DVR case and secure the HDD to the DVR with the screws.





(3) Put the upper cover back carefully, and fix the cover with screws.





Note: Above diagram is for reference only. The practical connection may be different depending on the DVR you purchased.



2.3 Power Supply Connection

Caution: Use only the supplied power adapter of the DVR.

Connect one end of the power adapter to the power connector on the back of the DVR. Plug the other end of the power adapter into the wall outlet.



For specific models, press the **Power Switch** to turn on the power.





Chapter 3 DVR Common Operations

3.1 Using the Supplied Mouse



[Left Button]

- Click to select menu options.
- During live viewing in split-screen view, double-click a channel to view it in full-screen. Double-click the channel again to return to split-screen viewing.
- Click a channel on Live Viewing screen to open Camera Quick Toolbar.
- Click and hold to drag sliders and scales on menu mode.

[Right Button]

- Click once to open the Taskbar on the Live Viewing screen. View Taskbar on *4.2.2 Task Menu Bar.*
- In menus, click to go back / close menus.

[Scroll Wheel]

- In menus, scroll to move up / down through the menu content.
- While hovering over the volume control wheel, scroll to turn system volume up / down.

3.2 Using the Virtual Keyboard

You will see the virtual keyboard automatically on the screen when you need to enter data.



3.3 Password

For the first time when you run the DVR, set your own password immediately in order to protect your privacy. Please be sure to record your username and password and save them in a secure place.

				04/01/2022 14:33:05 Fri.	
Language	ENGLISH				
Device ID	000000		(000000)		
New Admin Name					
Password Strength			Medium		
New Admin Password	•••••	Þ			
Confirm Password	•••••	Þ			
Unlock Pattern Enable	Enable		Draw		
		Арріу			

Language: Choose an OSD language.



Device ID: Input the device ID. Default ID is 000000. View more about Device ID on <u>5.7.1</u> <u>General</u>.

New Admin name: To set your own administrator name.

New Admin Password: To set your own password. The password must be a combination of 8 characters.

Confirm Password: Enter your own password again.

Unlock Pattern Enable: Enable unlock pattern. Click the right edit icon to start setting the pattern password. After confirming twice, you can set the gesture password successfully.



Click **Apply** to confirm your settings and goes to the login interface. Enter your user name & password to **Login** the DVR system.

			04/01/2022 14:34:19 Fri.
	RecoverPwdDialog		
Socurity Quartian Configuration			
Security Question 1	Vaux fatharla nama?		
	Four lattier's hame?		
Answer			
Security Question 2	Your mother's name?		
Answer			
Security Question 3	Your head teacher's name in senior high school?		
Answer			
Certificate of authorizatio		Export	
Super code(Not recommended)			
	OK Cancel		

- 1. Security Question Configuration: Reset the main user password through the security question and open the password retrieval interface. Choose three security questions and fill in the corresponding answer with a maximum of 64 characters.
- Certificate of authorization: Enable and click Export to download the certificate. On the
 password retrieval interface, switch to the Certificate of authorization mode, and click Import
 to select the key file certificate.txt. After the Import is successful, enter the new password to
 modify the main user's password.

3. **Super code (Not recommended):** According to the Mac of the camera and the time prompted by the super verification code, the verification code can be calculated based on certain rules. By filling in the verification code, the main user's password can be modified.

			01/01/2015 09:42:26 Thu.
Languag	B ENGLISH		
Lende IL User Passvor	admin *	Show Password	
이 성격이 가지? 이 것 같아요. 이번	Forgot Password Pattern Login		

Pattern: Click to enter the pattern login page.

		01/01/2015 09:42:23 Thu.
행정은 것은 것이 같아.		
Langu	age English 🗸	
Device	■ ID 000000	
User	admin 🗸 🗸	
	Draw the unlock pattern first.	
	0 0 0	
	$\circ \circ \circ$	
	$\bigcirc \bigcirc \bigcirc$	
() : : : : : : : : : : : : : : : : :		

Notice:

If you forget two kinds of password, you will not be able to login the system. Select **Recover Password** on the login page to reset password. This password is used on the login interface and User setting to change password.



Chapter 4 DVR Starting up

4.1 Start Wizard

Startup Wizard will help to configure the system and get the DVR works quickly.

4.1.1 Start Wizard

Click Start Wizard to proceed to the next step.



CH1	CH2		CH3		CH4	
VIDEO LOSS			Wizard		×	VIDEO LOSS
	Network					
CH5	IP Address				18	
	Subnet Mask					
	Gateway					
VIDEOLOSS	IPv6 Address					
VIDEO LOSS	IPv6 Gateway					VIDEO LOSS
IP CH1						
		ervice Protocol Internal Port Exte	mal Port UPNP Status	Maping Strategy UPNP		
		Veb TCP 00080 934		Auto 🗸 💌		
Failed to connect to camera, please check the network connection I						No Camera
			?			
		2015-01-01	09:32:27	h		

4.1.2 Network Configuration

If you connect to a router that allows you to use DHCP, please check the **DHCP** box. The router will automatically assign all the network parameters for your DVR. Unless the network is manually addressed as the parameters below:

[Local Connection]

- IP Address: The IP address identifies the DVR in the network. It consists of four groups of numbers between 0 to 255, separated by periods. For example, "192.168.001.100".
- Subnet Mask: Subnet mask is a network parameter which defines a range of IP addresses that can be used in a network. The subnet address also consists of four groups of numbers, separated by periods. For example, "255.255.000.000".
- Gateway: This address allows the DVR to access the Internet. The format of the Gateway address is the same as the IP Address. For example, "192.168.001.001".

[DNS]

DNS1/DNS2: DNS1 is the primary DNS server and DNS2 is a backup DNS server.

[Port]

- Web Port: This is the port that you will use to remotely log in to the DVR. If the default port 80 is already taken by other applications, please change it.
- RTSP Port: This is the port that the DVR will be allowed to transmit real-time streaming to other devices.

UPNP: If you want to remotely log in to the DVR using Web Client, you need to complete the port forwarding in your router. Enable this option if your router supports the UPnP. In this case, you do not need to manually configure port forwarding on your router. If your router does not support UPnP, make sure the port forwarding is completed manually in your router.

[PPPoE]

This is an advanced protocol that allows the DVR to connect to the network more directly via DSL modem. Check the "Enable PPPOE" box and enter the User name and the password of the PPPoE.

4.1.3 Date/Time

This menu allows you to configure the Date, Time, Date Format, Time Format, Time Zone, NTP and DST.

Date/Time			
Date and Time	NTP	DST	
Date		04/15/2021	iii
Time		11:28:21	
Date Forma	t	MM/DD/YYYY	~
Time Forma	at	24Hour	~
Time Zone		GMT+08:00	~

[Date and Time] Click on the calendar icon to set the current system date.

- **Date:** Click the calendar icon to set the system date.
- **Time:** Click to set the system time.
- **Date Format:** Choose from the drop-down list to set preferred date format.
- **Time Format:** Choose time format between 24Hour and 12Hour.
- **Time Zone:** Set the correct time zone.

[NTP]

NTP stands for Network Time Protocol. This feature allows you to synchronize the date and time automatically on the DVR over Internet. Note that the DVR needs to be connected to the Internet to enable this function.

Date/Time	
Date and Time NTP	DST
Enable NTP	✓
Server Address	pool.ntp.org
	Update Now

Check the Enable NTP box and select the desired NTP server address.

[DST]

Date and Time	NTP DST						
Enable DST	~						
Time Offset	1Hour	~					
DST Mode	Week	~					
Start Time	Mar.	~	The 2nd	~	Sun.	~	02:00:00
End Time	Nov.	~	The 1st	~	Sun.	~	02:00:00

- **Enable DST**: Enable if Daylight Saving Time (DST) is observed in your region.
- **Time Offset**: Select the amount of time to offset for DST.
- **Time Mode**: Choose to set the daylight saving time in weeks or in days.
- **Start Time/End Time**: Set the start time and end time for daylight saving.

4.1.4 IP Camera

	Wizard													
IP (Came	ra												
	No.	IP Address/Domain	Port	Manufacturer				Channel		Edit	State	IP Addre	ss/Domain	Sul
	1	192.168.6.171	9988		С			IP CH1	0					
	2	192.168.6.173	9988		0			IP CH2	0					
	3	192.168.6.152	9988		С			ІР СНЗ	0					
	4	192.168.6.162	9988					IP CH4	0					
	5	192.168.6.165	9988		0			IP CH5	0					
	6	192.168.6.155	9988		0			IP CH6	0					
	7	192.168.6.168	9988		С	•		IP CH7	0					
	8	192.168.6.153	9988		0			IP CH8	0					
	9	192.168.6.174	9988		0			IP CH9	0					
	10	192.168.6.172	9988					IP CH10	0					
	11	192.168.6.170	9988		С			IP CH11	0					
	12	192.168.6.169	9988					IP CH12	0					
	13	192.168.6.159	9988		C									
Se	earch													
								F	Previo	us	Ne	xt	Cancel	

This menu allows you to add IP cameras to the DVR.

Click **Search** to search IP cameras in the same network. Choose the IP camera(s) you want to add, and then click \Rightarrow icon to add to the DVR.

Position	Left-Top 🗸		
Port		🗹 Auto	
Protocol	Private 🗸 🗸	🛃 Auto	
User Name	admin		
Password		Show Password	
		Add	Cancel

Enter the camera's user name and password to add the camera(s).



			Add IP Camera		×
No.	IP Address/D	omain Po	t Manufacturer	Device 1	уре
	172.20.19.	132 900	0	IP CAME	ERA
	172.20.31	.22 900	0	IP CAME	ERA 🔍
	172.20.31	.31 242	7	N400	8 🤞
4	172.20.31	.32 243	7	HY-D\	/R .
	172.20.31	.45 900	0	8M-HY	08 (
6	172.20.31	.52 80	HIKVISION DS-IPC-B12H-I		
	172.20.31	.56 80	ONVIF		ť
8 🕛	172.20.31	.57 900	0	N5208KF	ξ-Ρ-Ε {
9	172.20.31	.60 900	0	IP CAME	ERA 🤟
10	172.20.31	.62 900	0	IP CAME	ERA I
11	172.20.31	.63 998	8	CH256MCG-T	F-A36PW
IP Add Alias	dress/Domain	172.20.1 CH2	.132		
Port		9000			
Protoc	col	Private	~		
User I	Name	admin			
Passv	vord			Show Pase	sword
Came	ra Mode	Auto	~		
	Sourch		auerd	Add	Canad

You can also click **O** button to manually add individual IP camera to a single channel.

Click Search button to search IP cameras, and click one of the IP camera in the device list.

- IP Address/Domain: IP address or domain name of the IP camera.
- Alias: Name of the IP camera.
- **Port:** Port of the IP camera.
- **Protocol:** Choose the protocol of the IP camera from the dropdown menu.
- User Name: User Name of the IP camera.
- **Password:** Password of the IP camera.
- **Camera Mode:** Select the mode of the IP camera from the drop-down menu.

Note:

 The system fills in the ID and password using admin/admin123. for UA-B580F3 / UA-R500F2 / UA-R560F2 / UA-R580F2 / UA-R800F2 by default. Make sure to enter the correct ID and password of the IP cameras if the login credentials have been changed on the IP cameras before connecting to UA-HD DVR models.



 The default password is 123456 for the following IP camera models: UA-B20004F / UA-B40004F / UA-B4000VF-S / UA-D20004F / UA-D40002F / UA-D4000VF-S / UA-R40002F-SA. To modify the password on the camera's Web interface, refer to <u>Network</u> <u>Cameras User Manual</u> for details.

4.1.5 Disk

	Wizard												
Disk													
No. 🗸	Serial No.	Edit	Mode	əl	Firm	nware T	Гуре	Sta					
1 W	D-WCC4M1EYRVLZ		WDC WD20PUF	₹X-64PFU¥	∕o 80.0	0A80	RW	Norr					
Overwrite	Auto 🗸	F	Format HDD	Add Net	HDD								
Record On ESATA	Disable V												
		k			Previous	Next	Cano	cel					

- Format HDD: If the HDD is installed in the DVR for the first time, it must be formatted. Select the HDD and click Format HDD button to format the HDD.
- Overwrite: Use this option to overwrite the old recordings on the HDD when the HDD is full. For example, if you choose 7 days, only the last 7 days recordings will be stored on the HDD. To prevent overwriting any old recordings, select **Disable**. If you have disabled this function, please check the HDD status regularly to make sure the HDD is not full.
- Add NetHDD: Refer to 5.5.1.1 Disk for details.
- Record on ESATA: If your DVR comes with an e-SATA port on the rear panel, you can enable to record the video to e-SATA HDD.

4.1.6 Resolution

Choose an output resolution that matches to your monitor. The DVR can automatically adjust the output resolution to match the best resolution of your monitor when the system is starting up.



Resolution		
Output Resolution	4K(3840x2160)	~
	Apply	

4.1.7 Mobile

Scan the QR code with your mobile app GV-Eye to view the DVR remotely. Refer to *Chapter 8 Remote Access via Mobile Devices* for details.

Mobile		
P2P ID		
P2P ID	RSV1707050427048	
Local Connection		21444
IP Address	172.20.31.78	
Subnet Mask	255.255.255.0	治、海道日
Port		EDSLED-SER
Web	80	
Client	9000	

Note: This function is only applicable to GV-Eye V2.9.1 or later.



4.1.8 Summary

You can check the system summary information you had set in the start wizard and finish the wizard.

Click **Don't show this window next time** if you don't want to display Start Wizard when the system reboots. Click **Finish** button to save and exit **Start Wizard**.

Summary									
System									
Resolution	1920x1080								
Date/Time	04/10/2017 16:18:17, GMT+08:00								
NTP	OFF								
DST	OFF								
Network									
DHCP	ON								
IP Address	192.168.6.28								
Subnet Mask	255.255.255.0								
Gateway	192.168.6.1								
DNS1	192.168.1.1								
DNS2	8.8.8								
Don't show this window next time	Don't show this window next time.								

4.2 Live View Screen Overview



Camera Title

To display the camera title

- A-: This indicates that the camera connected is an AHD camera
- T-: This indicates that the camera connected is a TVI camera
- C-: This indicates that the camera connected is a CVI camera
- IP: This indicates that the camera connected is an IP camera

State Icon

- ³⁵ : Trigger Intelligence Detection
- PR: Trigger PIR Detection
 - : This indicates that the DVR is currently recording.
 - s : This icon appears when the camera has detected motion.
 - : The icon indicates that the external I/O alarm device is triggered
 - : This icon indicates that the HDD is in error to work
- : This icon indicates the HDD is unformatted.
- :This icon indicates the HDD is full.
- First icon indicates the HDD is read-only.



Off-line: The analog camera is disconnected.

No Camera: IP camera is disconnected.

Decoding Failed: The DVR doesn't support this kind of IP camera compression standard, please

change to H.264 compression standard.

Resource Not Enough: Insufficient resources, the main code flow does not support all drawings at the same time/MJPEG format can only display one channel.

Band Not Enough: Insufficient bandwidth, the channel cannot be online

Failed to connect to camera: IPC connection failed

User name or password error: IPC username and password are wrong

+ Click to open Quick Add menu to add IP camera

Click to edit current IP camera

4.2.1 Camera Quick Toolbar

In live viewing, click the left button of your mouse on a connected camera to display the **Camera Quick Toolbar.**

ഋഀഀഀ҇ҎҾ҈ѿѱѹ҈Ӎ

- Click to manually record the channel immediately. If the manually recording is in process, the icon will be in red color. Click one more time to stop manual record.
- Click to save a snapshot of the current camera image. Manual Capture must be enabled to use this feature. For details, see 5.2.3 Capture.
- Click to play the latest 5 minutes recording of this channel
- Click to enter PTZ control panel
- Q Click to zoom-in the channel. When the Q icon appears, press and hold the left button of your mouse to drag the area you want to zoom in.
- Click to adjust the image color of the channel. You can adjust the HUE, BRIGHT, CONTRAST
 & SATURATION of the image.



- **So** Switch the real -time video stream between the main code stream and the sub -code stream. HD is the main code out of the picture, SD is a sub -code outflow picture.
- Click to enable/disable white light alarm. Further information please check <u>5.1.8 Deterrent</u>.
 This menu won't change the white light setting parameter.
- Click to enable/disable alarm of this channel. Further information please check 5.1.8

Deterrent. This menu won't change the white light setting parameter.

- Oracle in "Searching".
- AI statistics are turned on, the mouse hovers on the icon to view AI statistics information

4.2.2 Task bar





- Click to disarm all alarms on the live view image at once.
 - No Internet connection
 - A Network was blocked
 - Vetwork connection well
- Manually turn on/off all channels white light and siren
- Manually turn on/off channels recording and IO alarm
- i) To view system information, channel information, record info and network state.

4.2.3 Start Menu

With the start menu, you can switch user, search & playback, enter system setup menu, lock & unlock the screen, shut down, reboot & logout the system.



- **admin**: To switch user. To enable multi-user, refer to 5.6.3 *Multi-user*.
- Search: Search & Playback. Refer to Chapter 7 Search, Playback and Backup for details.
- **Setup**: DVR System Setup. Refer to *Chapter 5 DVR System Setup* for details.
- Lock Screen: Lock and unlock screen. Refer to 4.2.3.1 Unlock and Lock Screen for details.
- Shutdown: Shut down, reboot, and log out the system. Refer to 4.2.3.2 Shutdown for details.



4.2.3.1 Unlock and Lock Screen



The screen will be locked to prevent unauthorized OSD operation while the DVR is not in menu operation for 1 minute.

If necessary, you can also lock the screen operation manually. To do so, go to **Start Menu**, click the Lock Screen icon **a** to lock the system immediately.

If the system is locked, you can click the **Unlock** icon to unlock the system for further operation. You can optionally click **Pattern** to unlock the system.

4.2.3.2 Shutdown

கி admin	Shutdown	×
Q Search	What do you want the computer to do? Shutdown Reboot	
🚡 Lock Screen	Cogout	
😃 Shutdown 🗼	OK Canca	el

Click the **Shutdown** button from **Start Menu** and select the desired action. Click **OK** and type the password when the **Authentication** window appears.

If you choose **Logout**, the live viewing screen will disappear. You will need to log in the system for further operations.





Pattern: Click for the Pattern unlock interface. Use the pattern password, you can unlock the system.

Password: Get into the unlocked interface.

Chapter 5 DVR System Setup

You are able to configure the DVR for Channel, Record, Alarm, Network, Device & System from Start Menu \rightarrow Setup.



5.1 Channel

In this section, you are allowed to configure the camera, live view display, manage IP cameras, adjust IP camera's image, PTZ setup, motion setup, convert mode, and more.

5.1.1 Channel

5.1.1.1 Channel configure

Part of channels support Wireless camera. See the pictures below.



Setup Channel	Record Alarm Al Network	Device System			() 04/11/2022 19:10:53
• Channel	Analog Channels IP Channels				
Ive	Channel	Channel	Name	State	
Image Control	CH1	cover123	I-CH1	Enable	
	CH2	CH2!@!%#%#^\$&^s	da1s435as35ds1	Enable	
PTZ		CH3sdfa;lsfk!	@^%o2112	Enable	
Video Cover	CH4	CH4adsnja	kl75545	Enable	
	CH5	CH5adsajdkhn	dhasd1322	Enable	
Motion	CH6	CHE		Enable	
PIR	CH7			Enable	
	CH8	CH		Enable	
Deterrence	СНЭ	CHS		Enable	
Intelligent				Enable	
	CH11	СН1		Enable	
	✓ Select All				
	CH1	CH2	CH3	CH4	
	CH5	CH6	CH7	CH8	
	CH9	CH10	✓ CH11	✓ CH12	
	✓ CH13	✓ CH14	✓ CH15	CH16	
					Apply

The DVR supports to disable analog channels to increase IP channels. If you want to disable an analog channel, uncheck the box and Click **Apply** to save. To disable an analog channel can increase an IP channel input. To do so, you need to enable the XVR mode in advance at **System** \rightarrow **General** \rightarrow **Mode**, view more on <u>5.6.1 General</u>.

5.1.1.2 IP Channels

If you enable the XVR mode for the DVR, it supports to add IP cameras & modify IP channels. Click **Search** to search IP cameras from local network, Click **Add** to add individual IP camera, Click **Add All** to add all IP cameras.

ତ	3 Setup	Channel	Recor	d Alar	m	AI N	letwor	k De	vice System	1						() 04/1	1/2022 19:12:15	×
			Ana	log Chan	nels	IP Ch	annels											
φ	Live					IP Add	lress/H	lostname	e 🔺 Port	Manufacture			ctive state	Device Type		MAC Address	Softwa	are Ver
							172.20	.56.22	9000				None	IP CAMERA		00-23-63-6E-31-01	V2.31.5	5.2_210
ę	Image Control						172.20	.56.26	9000				None	IP CAMERA		00-23-63-92-8C-67	V21.45.	7.1_21
0	PTZ						172.20	.56.44	80 F	S-CH340N4KRB-LTF-	LFW36	PW-M	Activated	RS-CH340N4KRB-LTF-LF	W36PW-M	00-23-63-97-17-37	V30.85.8	8.2.1_22
							172.20	.56.48	9000				None	RS-N7708HR-F		00-23-63-91-52-37	V8.2.2	2-20220
¢	Video Cover						172.20	.56.97	9000				None	IP CAMERA		00-23-63-98-C4-CE	V1.0.0.B00017	7010101
φ	Motion						72.20.	56.147	9000				None	RS-CH298N4CU-HALTF	-LF36PW	00-23-63-94-A6-E9	V1.0.0.B00017	701010 [.]
6	PIR																	
0	Deterrence																	
Φ	Intelligent			o arah	1			Add	d All									
				search		Auu		Auu	n Mi									
				Channe	đ	Edit	State		IP Address/Hos	tname Subnet Mask	Port	Manufact	urer	Device Type		MAC Address	Software	e Version
				IP CH1					172.20.56.35	255.255.255.0	9000		R	S-CH256MCH-TL-28PW	Private	00-23-63-74-8A-2C	V6.21.5.2	_210€
				IP CH2					172.20.56.29	255.255.255.0				SSC338Q+SC8238	Private	00-23-63-91-9F-42	V26.34.8.2.	2_220
				IP CH3					172.20.56.33	255.255.255.0		NORMA		25号挂机程序	Onvif	00-23-63-70-7B-20	V1.0.0.B0001701	
				IP CH4					172.20.56.38	255.255.255.0		NORMA	L	26号程序挂机	Onvif	00-23-63-51-5E-E1	V1.0.0.B0001701	0101(
				IP CH5					172.20.56.55	255.255.255.0			RS-0	CH222M6ND-DF-A2812PW	Private	00-23-63-94-A6-54	V25.11.8.2.	.2_22(
				IP CH6					172.20.56.54	255.255.255.0	80			IP_CAMERA	Private	00-23-63-8F-44-80	V21.45.8.2.	.2_22(
				IP CH7					172.20.56.47	255.255.255.0			RS-C	CH258M3TD-DF-2812PW-A	Private	00-23-63-1C-B6-42	V18.25.8.2.	.2_22(
				IP CH8					172.20.56.24	255.255.255.0	9000			IP CAMERA	Private	00-23-63-94-06-B8	V35.45.7.1	1_211.
				IP CH9														
				IP CH10														
				Assign IF	o to Ca		s) Chr	annel Del	Default Pa	ssword Show Pas	sword				Tot	al Band Width:128Mbps	Used Band Width:	:52Mbps

Edit: Dodify camera's information, Active IPC, Select to add other DVR channels

IP Address/Domain: IP Camera's IP address or domain

Port: IP camera connection port

Manufacturer: IP Camera manufacturer information

Device Type: IP Camera device type

MAC Address: IP Camera MAC address information

Software Version: IP Camera software version information

Click Search icon to search the local IP camera. Click Add icon to add single IP camera. Click

Add All icon to add all of IP cameras.

IP Address/Hostname	172.20.56.147			
Alias	IP CH8			
Port	9000			
Protocol	Private	~		
User Name	admin			
Password	•••••			
Bind channel	IP CH8	~		
Search D	efault Password		Add	Cancel

Click Search button to search IP cameras, and then Click one of the IP camera on the device list.

Alias: Name of the IP camera

Protocol: Choose the protocol of the IP camera from the drop-down menu, including private protocol, ONVIF protocol, and RTSP protocol.

Note: When selecting the Private protocol, if PORT is an IPC media port, the old private protocol is connected to the IPC; if the port is the IPC HTTP port, the API protocol is connected to the IPC. Currently there are only 8.2.2 and subsequent versions of the subsequent versions. DVR and IPC support the use of the API protocol connection

Connect Mode: Select ONVIF protocol, the option shows. From the drop-down menu select **General** or **Security**. **General** means ONVIF HTTP protocol; **Security** means device will request whether IP camera supports HTTPS, if so, provide certificate. If no, connect via HTTP.

	Edit Connection Informati	on	×
Channel			
Alias	IP CH8		
IP Address/Hostname	172.20.56.24		
Subnet Mask	255.255.255.000		
Port	9000		
Protocol	Onvif	~	
Connect Mode	General	~	
User Name	admin		
Password	•••••		
		OK	Cancel

Mainstream URL: Using RTSP protocol shows this option, fill up the IP camera mainstream RTSP URL.

Substream URL: Using RTSP protocol shows this option, fill up the IP camera sub stream RTSP URL.
	Edit Connection Informatio	on	×
Channel			
Alias	IP CH8		
Mainstream URL			
Substream URL			
Protocol	RTSP	~	
User Name	admin		
Password	•••••		
	N		
		ОК	Cancel

User Name: User Name of the IP camera

Password: Password of the IP camera

Bind channel: Choose a channel of the DVR you want to attach to

Auto Assign IP to Camera(s): The added IP camera would be not able to connect if its IP address is not in the same network segment with DVR. With this function to reassign an IP address to all added IP cameras.

Channel Delete: Choose one or more added IP cameras, and Click this button to delete.

Default Password: To set IP camera's default password

Click Edit icon and enter the IP camera edit menu.

Show Password: select to fill up DVR password, every channel password proclaim in writing

Note: When the IPC connected to the channel is an inactive state and the IPC is connected to the API protocol, the DVR will use the password of the connection IPC set by the channel to activate the IPC "admin123" to activate the IPC.



5.1.2 Live

To configure camera parameters.

Setup Channel	Record Alar	m Al Ne	twork Device	e System				04/11/20	22 19:20:4	7 X
Ohannel	Live									
• Live		Setup		Channel Name	Show Name 🗸					
Image Control	CH1	۲		cover123-CH1	<u>~</u>			~		
A				CH2!@!%#%#^\$&^s3da1s435as35ds	>			×		
♥ PIZ				CH3sdfa;lsfk!@^%o2112	>			×		
Video Cover				CH4adsnjajkl75545	×			>		
Motion				CH5adsajdkhndhasd1322	×			>		
				CH6	>			>		
♥ PIR				CH7	>			>		
Deterrence				CH8	>			×		
Intelligent				СН9	>			>		
↓ Intelligent				CH10	×			>		
				CH11	>			>		
				CH12	>			>		
				CH13	<u>></u>			>		
				CH14	>			>		
				CH15	>			>		
				CH16	>			×		
					×	YYYY-MM-DD	24 Hour 🗸	×	50Hz	
	IP CH2			338Q+8238CJ95!@%#^\$@&%*	×	YYYY-MM-DD	24 Hour 🗸	~	60Hz	
				IP CAMERA	<u>×</u>	YYYY-MM-DD	24 Hour 🗸	×		
	IP CH4			IP CAMERA	×	YYYY-MM-DD	24 Hour 🗸 🗸	×		
								λοην Dofa	dt An	volu
								Defai	а Ар	bu)

Channel: Display channel name.

Covert: After selected, the current channel will hide the live image in local UI. **Setup:** Click icon into the setup page.



Note: 3 MP / 5 MP resolution is not supported by CVI signal.

5.1.3 Image Control

This menu allows you to control image settings for supported IP cameras.

Setup o	Channel	Record	Alarm	AI Network	Device Syst	em								04/11/20	22 19:21:42	\times
Channel		Image C	Control													
Live		Channel	Setun	Image Setting	IR-CLIT Mode	IR-CUT Delay	Lens Flin	Angle Flin	Angle Trad	BLC Level	3D Noise Reduction	DWDR		White Balance	Time Exposure	n D
A Image Control		IP CH1	(i)	intege cotting	GPIO Auto		OFF	OFF		OFF	Auto	OFF	Middle	Auto	Auto	
• image Control		IP CH2	0	Day/Night Mode	Automatic mode		OFF	OFF		OFF	Auto	OFF		Auto	Auto	
PTZ		IP CH3			GPIO Auto						Disable			Auto	Auto	
Video Cover		IP CH4			GPIO Auto		OFF	OFF		OFF	Disable	OFF	OFF	Auto	Auto	
Motion		IP CH5			GPIO Auto						Auto			Auto	Auto	
A 00		IP CH6			GPIO Auto		OFF	OFF	180	OFF		OFF		Auto	Auto	
↓ NK		IP CH7			Color Mode						Auto			Auto	Auto	
Deterrence		IP CH8	0		GPIO Auto		OFF	OFF	180	OFF	Auto	OFF		Auto	Auto	
Intelligent																
				•												

Channel: Channel name.

Setup: Click 🙆 icon into the setup page.

Note: Some devices support **Corridor Mode**. The function of the Corridor Mode is to rotate the lens 90 degrees clockwise.



Channel	СНЗ	~	→ Choose a channel to configure
IR-CUT Mode	GPIO Auto	~	Select the desired built-in IR cut filter mode to ensure the camera works properly both in the day and night.
IR-CUT Delay	•	2	→ Set the delay time of IR-CUT switching
IR-LED	Auto	~	Setup IR-LED mode,there are OFF、ON、Auto. VARIFOCAL Camera
Lens Flip			has the two groups of infrared lights out of Manual options, you can
Angle Flip			adjust the brightness of the two groups of infrared lights manually
Corridor Mode			Check to enable lens flip and angle flip
Contrade Mode			
Angle Trad	0	~	→ Set the flip angle
Back Light	Enable	~	➡ To enable or disable Backlight compensation
BLC Level	Middle	~	Choose the backlight compensation level
3D Noise Reduction	Manual	~	➡ To enable or disable 3D noise reduction function
Level		128	-→ Set the 3D noise reduction level
WDR	Enable	~	-→ Enable to allow automatically adjust the brightness and contrast of the
Level		128	video when shooting in the darkness with bright light sources.
AGC	Middle	~	→ Automatic Gain Control
White Balance	Auto	~	-+ Configure white balance
Shutter	Auto	×	Set the shutter mode
Time Exposure	1/25	~	→ Choose the exposure time of the camera
Defog Mode	Disable	~	→ Use in foggy environments to improve the video quality

5.1.4 PTZ

This menu allows you to configure the PTZ (Pan-Tilt-Zoom) settings for the dome camera				
This menu allows you to contoure the PTZ (Pan-Thi-Zoon) settings for the dome carrier	This many allows	vou to configure the	DT7 (Don Tilt Zoom)	Laattinga far tha dama comora
	This menu allows	vou lo connuire line	PTZ (Pan-III-2000)	settings for the dome camera

Setup Channel	Record Alarm	AI Network D	evice Sys	tem								O 04/11/2022	19:22:19	×
Channel	PTZ													
O Live	Channel	Signal Type 🗸	Protocol		Baudrate	DataBit 🗸	StopBit		Parity	Addre				
Image Control	CH1	Analog	COAX1		4800	8 ~		~	None					
	CH2	Analog	COAX1		4800	8 🗸		~	None					
♥ PTZ		Analog	COAX1		4800	8 ~		~	None					
Video Cover	CH4	Analog	COAX1		4800	8 ~		~	None					
Motion		Analog	COAX1		4800	8 🗸		~	None					
	CH6	Analog	COAX1		4800	8 🗸		~	None					
PIR		Analog	COAX1		4800			~	None					
Deterrence	CH8	Analog	COAX1		4800	8 ~		~	None					
Intelligent	CH9	Analog	COAX1		4800	8 ~		~	None					
	CH10	Analog	COAX1		4800	8 ~		~	None					
		Analog	COAX1		4800	8 ~		~	None					
		Analog	COAX1		4800	8 ~		~	None					
		Analog	COAX1		4800			~	None					
		Analog	COAX1		4800	8 ~		~	None					
		Analog	COAX1		4800	8 ~		~	None					
		Analog	COAX1		4800	8 ~		~	None					
	IP CH5	Digital 🗸												
	IP CH6	Digital 🗸												
	IP CH7	Digital 🗸												
	IP CH8	Digital 🗸												
											Сору	Default	Apply	
											90py	Derault	rippiy	

Channel: Channel name

Signal Type: Analog for analog channels, Analog & Digital for IP channels.

Protocol: Choose the communication protocol between the PTZ capable camera and DVR. If your camera support UTC (Up the Coax) function, you can choose COAX1 or COAX2 to display your camera OSD menu or control the UTC PTZ function.

Baudrate: The speed of the information sent from the DVR to the PTZ-capable camera. Make sure it matches the compatibility level of your PTZ-capable camera.

DataBit / StopBit: The information between the DVR and PTZ-capable camera is sent in individual packages. The **DataBit** indicates the number of bits sent, while the **EndBit** indicates the end of the package and the beginning of the next (information) package. The available parameters for **DataBit** are: **8**, **7**, **6**, **5**. the available parameters for the **StopBit** are **1** or **2**.

Parity: For error check. See the documentation of your PTZ-capable camera, to configure this setting.

Cruise: Enable to use the Cruise mode. In order to use the Cruise mode, you need to set a number of preset points.

Address: Set the command address of the PTZ system. Please be noted that each PTZ-capable camera needs a unique address to function properly

5.1.4.1 PTZ control

After finishing the PTZ setup, you can use the PTZ function to control your PTZ camera.

1) Click left your mouse upon a channel on Live Viewing screen to open 4.2.1 quick toolbar, and

choose the PTZ control icon 😓.

2) PTZ control panel will be displayed.



Click to select the channel of the PTZ camera. PTZ Cruise Mode --PTZ, PRESET, Line Scan, Watch Mode, Tour, Pattern Scan. Click the middle button, the PTZ will continue to rotate horizontally; long -pressing the surrounding direction keys can control the level of PTZ levels, vertical, etc. PTZ speed adjustment horizontal bar is divided into 1-100 gears. The larger the value, the faster the rotation speed.

The first vertical icon is the closer and long -drawn of the lens, and the corresponding scene is enlarged and reduced; The second vertical icon is the lens focus. Click the definition of the adjustable scene; The third vertical icon-- Click to adjust the size of the aperture, corresponding to the bright image. The first icon is 3D PTZ, after Clicking on, you can rotate to Click the image position by Clicking the screen. You can also turn to the frame to select the image position and zoom in/reduce the image through the frame. Turn on the right to the left to the selected position and shrink the multiples of the corresponding proportion. The second icon is automatic focus, click to automatically adjust the clarity of the scene; The third icon is to reset the preset point. After Clicking, the preset point of the settings will be reset; The fourth icon is the watch mode. After Clicking, you will start the actions of the Watching position according to the set watch; The fifth icon is manual tracking mode. After Clicking, use the left mouse button box to select the target to be tracked at the preview interface. The high-speed ball can automatically make the target always at the center of the vision.



ΤΟΤΑ	L		5		¥	
Star	rt Cruise					
PRES	ET					
No.	Name	Time	GO TO	Add	Clear	
1	point 1	003	+	0	Ē	
2	point 2	003	+	0	Ē	
3	point 3	003	+	0	Ē	
4	point 4	003	+	0	Ē	
5	point 5	003	+	0	Ē	
6	point 6	000	+	6		
7	point 7	000	+	0		
8	point 8	000	+	6		
9	point 9	000	+	0		
10	point 10	000	+	0		
11	point 11	000	+	0		
12	point 12	000	+	0		
13	point 13	000	+	0		

Preset Mode:

Click to view the image of preset point, as below picture;



Click 🙆 or 🛨 to add new preset point. The

preset point screen is displayed below the preview interface, the preset point will be displayed on the left, the preset point that has been set is dark display, and the preset point gray display.

Click 🛃 to rotate to the position of preset via the

shortest route

Click Name box to modify preset name, Click Time box to modify stay time at preset point.

Channel	CH1		~
Mode	Watch	Mode	~
			~
Time Interval	15		~
Mode	Patter	n Scan	\sim
Track	4		~
		\triangleright	

Watch Mode:

Time Interval: Watch point stay time, stop operation and keep to home position interval time. Mode: Select watch mode, Default, Preset, Line Scan, Tour, Pattern Scan;

Click Start Cruise.















5.1.5 Video Cover

This menu allows you to create privacy zone(s) if you want to partially cover some certain part of the image. You can create up to 4 privacy zones in any size and location on the camera image. Enable the Privacy Zone, and choose how many zones you need. The zone(s) appear as "red box". Click the edge of the red box and drag it to any size to create a privacy zone.



Note: The area of privacy zones you had set will be invisible in both live view & recording video.

5.1.6 Motion

This menu allows you to configure motion parameters. When motion has been detected by one or more cameras, your DVR will alert you for the potential threats by sending you an email alert with an attached image from the camera to use as a reference (if this option is enabled).

Setup	Channel	Record Alarm Al	Network Device System				• 04/01/2022 14	4:35:21 🗙
Channel		Motion						
Uive								
		Channel	Setup	Switch	Sensitivity	Deterrence		
Image Control						>		
Video Cover		CH2		Y				
Motion		CH3						
		CH4				>		
PIR		CH5		×		×		
Deterrence		CH6	0	M		×		
Intelligent		CH7		Y		>		
		CH8	0	>		V		
			×					
							Alarm	Apply

Switch: Enable or disable motion detection.

Sensitivity: Set the sensitivity level. Level 1 the lowest sensitivity level while level 8 is the highest sensitivity level.

Deterrence: Enable spotlight linkage alarm. When PIR alarm is triggered, the spotlight will be triggered

Setup: Click 🙆 icon into the setup page.



Target Detection: Select trigger detection type. There are four options like Motion, Pedestrian, Vehicle, Pedestrian & Vehicle.

Motion Detection Area:

The whole screen is marked for motion detection (red blocks) as default. If you want to disable the motion detection on a certain area, click the grid cursor and then drag the mouse to highlight the scope to unmark the area into transparent blocks. After setting is completed, click the right button of your mouse to return and click "Apply" to make the area setup effective.

Click Alarm button to configure the motion detection alarm function: 5.3.1 Motion Detection



5.1.7 PIR

This is an optional function. If your camera has PIR function, you can configure the PIR recording here.

Setup	Channel	Record	Alarm Al	Network	Device Sys	stem								(b) 05/06/2021	13:15:55	×
Channel		PIR														
Live																
Image Control			Channel		Setup		SI	witch	Ser	nsitivity		Dete	errence			
· · · · · · · · · · · · · · · · · · ·			CH1		0			×			~		×			
PTZ																
Video Cover																
Motion																
♥ PIR																
Deterrence																
Intelligent												*				
														Alarm	Apply	

PIR alarm menu, while trigger PIR alarm, it's the same to motion to send notification information to email and APP.

Switch: Enable or disable PIR recording.

Sensitivity: Set the sensitivity level. Level 1 the lowest sensitivity level while level 8 is the highest sensitivity level.

Deterrence: Enable spotlight linkage alarm. When PIR alarm is triggered, the spotlight will be triggered



Setup: Click 🙆 icon into the setup page.

PIR Detection Area:

Click Select All to set the whole screen of the camera as PIR detection area. Click Delete All to clear the area.

You can also set an area in the screen by drawing a pentagon in the screen.

If you want to edit the size of the area, please check the box and change the position. After setting is completed, Click the right button of your mouse to return and Click **Apply** to make the area setup effective.

Click Alarm button to configure the PIR detection alarm function 5.3.2 PIR



5.1.8 Deterrence

Spotlight alarm can be configured in this menu. Note that this function is only applicable when the DVR is connected to UA-B580F3 / UA-R580F2.

Setup Channel	Record Alarm Al	Network Device	System					() 03/	30/2022 15:53:52	\times
© Channel	Deterrence									
⊕ Live										
Image Control	Channel	Setup	Sensitivity V	- Light	✓ Schedule	Duration	Siren 🗸	Schedule	Siren Duration	
	CH1		4 ¥				×	0	10	
Video Cover	CH3		4 ¥					6		
Motion	CH4	0			ő			6		
• PIR	CH5	Ô	4 v		ø			0		
Deterrence	CH6		4 ~							
. Botoneneo										
Intelligent	CH8									
										×
									Default Apply	

Channel: Channel name

Setup: Click 🙆 icon into the setup page.

Deterrent Detection Area:



Click Select All to set the whole screen of the camera as deterrent detection area. Click Delete All to clear the area. You can also set an area in the screen by drawing a pentagon in the screen. If you want to edit the size of the area, please check the box and change the position. After setting is completed, Click the right button of your mouse to return and Click Apply to make the area setup effective.

Light Switch: To enable spotlight alarm Flood light valve: Set the sensitivity level, the higher the value, the easier it is to trigger alarm. Duration: Set the spotlight alarm time period Color Image: To enable or disable color mode.

Note: After turning on, trigger white light deterrence at night will switch the screen from the night vision to the color mode.



Deterrence Mode: Set white light mode, there are two kinds of mode like Light Warning and Light Strobe

Strobe Frequency: Flashing frequency of white light

Siren Switch: To enable alarm siren

Siren Level: White light alarm sound level

Siren Duration: Set the alarm siren time period

Sensitivity: Set the sensitivity level. Level 1 the lowest sensitivity level while level 8 is the highest sensitivity level.

Schedule: Click 😳 icon into the setup page

When IP camera connected to DVR via client port, the setup page as below picture.



While schedule draw to blue, it means that during this period white light detection can be trigger. **Default:** Load default

Note: On Motion or PIR setup page turn on **Deterrence** switch, while trigger motion or PIR, the white light will turn on.



When IPC connected to DVR via WEB port, the setup page as below picture:

Select different function pages to set up White light/Siren linkage alarm schedule. **Clear All:** To delete all of pages blue mark.



5.1.9 Intelligent

The optional intelligent functions include **SOD**, **Sound Detection** and **Video Tampering**. These functions are only supported by the AI-capable UA-IP cameras listed below:

- UA-B580F3
- UA-R560F2
- UA-R580F2
- UA-R800F2

Note: To configure AI functions, see 5.4 AI.

5.1.9.1 SOD (Stationary Object Detection)

Stationary Object Detection function detects the objects left over or lost in the pre-defined region such as the baggage, purse, dangerous materials, etc., and a series of actions can be taken when the alarm is triggered.

Setup Chann	el Record	Alarm /	Network	Device	System						9		9:40:29 🗙	
© Channel	PID	LCD PD (VD SOD		Sound Detection	Video Tampering	Schedule	Cross Counting S	Statistics					
Ive														
Image Control			Channel		Se	etup		Switch			Sensitivity			
A DT7						ව බ						~		
V F12			IP CH8		(<u>କ</u>				2				
Video Cover						~								
Ø Motion														
PIR														
Oeterrence														
• Intelligent														
												Alarm	Apply	

Switch: To enable or disable the SOD function

Sensitive: The sensitivity level is from 1 to 4, with a default value of 2. Higher sensitivity will be easier to trigger the detection.

Area: Click Setup to draw a virtual line in the camera picture.

Channel	IP CH1	
IVA Lines	Enable	
Rule Number		
Rule Switch	-	
Rule Type	Lost & Legacy	
	k	

- 1. Channel: To select the channel you want to configure
- Rule Number: It is the number of LCD lines. Maximum 4 lines you can draw, choose one of the Rule Number. It is the number of LCD area. Maximum 4 areas you can set for LCD function. Each rule switch and rule type is separately, it needs to turn on/off separately.
- 3. Rule Switch: To enable the detection.
- Rule Type: Choose a Rule Type.
 Legacy: DVR will only detect the left-over objects;
 Lost: DVR will only detect the lost objects;
 Lost & Legacy: DVR will detect both left-over & lost objects.
- 5. Use your mouse to click 4 points in the camera picture to draw a virtual region. The sharp of the region should be a convex polygon. Concave polygon will be not able to save.
- 6. Click **Save** to save your settings.
- 7. If you want to adjust the size of the region, click the red box in the region, the borders of the region will be changed to red color. Long press the left button of your mouse to move the whole region, or drag the corners to resize the region.
- 8. If you want to remove one of the regions from the camera picture, click the red box in the region and then Click "Remove" button. Click "Remove All" will delete all regions.



Notice:

1) The area for detection shall be greater than or equal to the size of the detected object, such as

the detection of a white bottle.

2) The detected object cannot be covered.

Click "Alarm" button to configure SOD alarm function: Please view <u>5.3.4.1 SOD (Stationary Object Detection).</u>

5.1.9.2 Sound Detection

Setup Char	nel Record Alarm Al Net	work Device Sys	item				○ 04/11/2022 19:24:54 ×
© Channel	PID LCD PD & VD S	OD FD CC So	und Detection Video Tan	npering Schedule C	ross Counting Statistics		
Image Control	Channel	Switch 🗸	Rise V	Rise Sensitivity	Sound Intensity	Decline V	Decline Sensitivity
A DT7	CH1	N N	Enable V	100	50	Enable V	100
V PIZ	CH2	-	Enable V	50	50	Enable V	50
Video Cover		N N	Enable 🗸	50	50	Enable V	50
Motion	CH4	-	Enable 🗸	50	50	Enable V	50
	CHS	N N	Enable V	50	50	Enable V	50
	CH6		Enable 🗸	50	50	Enable V	50
Deterrence	CH7		Enable 🗸	50	50	Enable V	50
	CH8		Enable 🗸	50	50	Enable V	50
Intelligent	CH9	×	Enable 🗸		50	Enable 🗸	50
	CH10		Enable 🗸	50	50	Enable V	50
	CH11	×	Enable 🗸			Enable 🗸	
	CH12		Enable 🗸	50	50	Enable V	50
	CH13	N	Enable 🗸	50	50	Enable Y	50
	CH14		Enable 🗸	50	50	Enable 🗸	50
		3	Enable 🗸	50	50	Enable V	50
	CH16		Enable 🗸	50	50	Enable 🗸	50
	IP CH1	×	Enable 🗸	100	50	Enable V	100
	IP CH2		Enable 🗸	100	100	Enable V	100
	IP CH6		Disable 🗸	50	50	Disable V	50
						Alarm Co	py Default Apply

With the sound detection, it can trigger an alarm while detecting the sound rise or decline, and some certain actions can be taken when the alarm is triggered.

Enable: Turn on/off the Sound Detection function.

Rise: Switch of volume raised; the alarm will be triggered only when volume rise sharply.

Rise Sensitive: The sensitivity of volume raised, the larger the value, the easier to trigger the alarm

Sound Intensity: Configuration of sound intensity, it is the sound threshold. The higher the

threshold, the louder the spike alarm needs to be to trigger. Set up value from 1—100.

Decline: Switch of volume drop sharply; the alarm will be triggered only when volume rise sharply.

Decline Sensitive: The sensitivity of drop sharply, the larger the value, the easier to trigger the alarm. Set up value from 1—100.

Schedule: Schedule of sound alarm setting. Only will be triggered during the schedule time.

Click "Alarm" button to configure Sound Detection function. Please view in <u>5.3.4.1 Sound</u> <u>Detection</u>.

5.1.9.3 Video Tampering

Setup	Channel	Record	Alarm	AI	Network	Dev	rice	System					9	04/11/2022 1	9:25:18	\times
Ochannel		PID		PD & VD				Sound Detection	Video Tampering	Schedule	e Cross Counting Statistics					
Uive																
				Chann	nel			Swite			Sensitivity 🗸					
Image Control									~							
PTZ				CH2												
Video Cover				CH3												
A Matter				CH4												
♥ Motion				CH5												
PIR				CH6												
Deterrence				CH7												
				CH8	3			k [
				CHS	•											
				CH1	0											
				CH1	1					6						
				CH1	2					6	~					
				CHI						6						
				CHI	4					6	~					
				CHI	5 6					6	v					
				Criti	0					6	~					
												Alarm		Default	Apply	

The alarm triggered when the camera be covered largely.

Switch: Enable or disable the alarm caused by video cover.

Sensitivity: Sensitivity has six options from 1 to 6. The default value is set to 4. The larger the value, the easier to trigger the alarm.

Click "Alarm" button to configure Video Tampering function. Please view in <u>5.3.4.2 Video</u> <u>Tampering</u>.



5.1.9.4 Schedule



In order to activate the intelligent function, you need to configure the schedule. The schedule will be active in 24 hours x 7 days.

To set the schedule, choose one channel then drag the cursor to mark the slots. The sky-blue blocks in the time slots will be active for Intelligent detentions. The schedule is valid only for the selected channel each time when you set. If you want to use the same schedule for other channels, use **Copy** function. Click **Save** to save your settings.

5.1.9.5 Cross Counting Statistics

This menu can make statistics for alarms caused by the cross counting and draw a linear or bar chart.

Setup Channel	Record Alarm Al Network Device System		• 04/15/2021 16:51:35
Channel	PID LCD SOD PD FD CC Sound Detection	Video Tampering Schedule Cross Counting Statistics	
🗢 Live	Channel CH3 Y Date 04/15/2021	Report Type Daily Report 🗸	
Image Control	Cross Type Cross In 🗸	Column Cha	t Line Chart Search Export
⊕ PTZ			
Video Cover			
Ø Motion	8		
0 PIR			
Deterrence			
Intelligent			
	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 07 08 09 10 11 12 13 14 1	0 0 0 0 0 0 0 0 0 5 16 17 18 19 20 21 22 23
		00:00 - 00:59	
		02:00 - 02:59	
		03:00 - 03:59	
		04:00 - 04:59	
		05:00 - 05:59	
		06:00 - 06:59	

Channel: Select the channel wanted.

Date: Select the date wanted

Report Type: Select the report type, reports can be generated by Daily Report, Weekly Report, Monthly Report, Annual Report.

Cross Type: Select the cross type, cross in and cross out for option.

Click Search button to search CC statistics data

Export: Export the file to external USB drive.

Select Column Chart like upper picture shows the result.

Select Line Chart like below picture shows the result.

Setup Channel	Record Alarm Al Network Device System		· 04/16/2021 09:38:33 ★
© Channel	PID LCD SOD PD FD CC Sound Detection	Video Tampering Schedule Cross Counting Statistics	
♦ Live	Channel CH3 Y Date 04/15/2021	Report Type Daily Report 🗸	
Image Control	Cross Type Cross In 🖌		rt Line Chart Search Export
Ф РТZ	10 r		
Video Cover			*
Motion	8		
♦ PIR			
Deterrence			
• Intelligent			
		Hour	
		00:00 - 00:59	
		01:00 - 01:59	
		02:00 - 02:59	
		03:00 - 03:59	
		04:00 - 04:59	
		05:00 - 05:59	
		06:00 - 06:59	



5.2 Record

This menu allows you to configure the recording parameters.

5.2.1 Encode

This menu allows you to configure the recording video or network transmission picture quality. Generally, Mainstream defines the recording video quality which will be saved in the HDD; Substream defines the video quality which is being viewed via remote access, for example web client & CMS; Mobile stream defines the video quality which is being viewed via remote access via mobile devices.

5.2.1.1 Main Stream

Setup Channel	Record Ala	rm Al Network	Device Syste	m						(b) (b)	4/11/20	22 19:25:52 X
	Mainstream	Substream Mobile	estream Audio									
Record	Channel	StreamType	Resolution		FPS	Video Encode Type 🗸	Bitrate	Control 🗸	Bitrate Mode	Bitrate		Audio 🗸 I
© Capture	CH1	Normal	3840 x 2160			H.265 🗸	CBR		Predefined	6144		
	CH2	Normal	3840 x 2160			H.264 🗸	CBR		Predefined	6144		2
		Normal	3840 x 2160			H.264 🗸	CBR		Predefined	6144		X
	CH4	Normal	3840 x 2160			H.264 🗸	CBR		Predefined	6144		
	CH5	Normal	3840 x 2160			H.264 🗸	CBR		Predefined	6144		
	CH6	Normal	3840 x 2160			H.264 🗸	CBR		Predefined	6144		X
		Normal	3840 x 2160			H.264 🗸	CBR		Predefined	6144		
	CH8	Normal	3840 x 2160			H.264 🗸	CBR		Predefined	6144		
	CH9	Normal	3840 x 2160			H.264 🗸	CBR		Predefined	6144		2
	CH10	Normal	3840 x 2160			H.264 🗸	CBR		Predefined	6144		
		Normal	3840 x 2160			H.265 🗸	CBR		Predefined	6144		
	CH12	Normal	3840 x 2160			H.264 🗸	CBR		Predefined	6144		X
		Normal	3840 x 2160			H.264 🗸	CBR		Predefined	6144		
		Normal	3840 x 2160			H.264 🗸	CBR		Predefined	6144		X
		Normal	3840 x 2160			H.264 🗸	CBR		Predefined	6144		
	CH16	Normal	3840 x 2160			H.264 🗸	CBR		Predefined	6144		
	IP CH1	Normal	2592 x 1944			H.264 🗸	CBR		Predefined	5120		
	IP CH2	Normal	3840 x 2160			H.264 🗸	CBR		User-defined	4096		
	IP CH3	Normal	2560 x 1440			H.265 🗸	CBR		User-defined	2048		N
	IP CH4	Normal	2560 x 1440			H.265 🗸	CBR		User-defined	2048		N
	Total Band	Width:128Mbps, Used E	and Width:52Mbps							Сору	Defau	it Apply

Setup Channel	Record Alarn	n A	I Network	Device System					C 2022-05	-09 10:16:36	×
	Mainstream	Subs	tream Mobile	stream Audio							
Record	Resolution		FPS 💊	Video Encode Type	✓ Bitrate Control ✓	Bitrate Mode	Bitrate 🗸	Audio 🗸	l Frame Interval 🗸		
O Capture	840 x 2160		10 💊	H.265	CBR V	Predefined	8192 🗸	~			
	840 x 2160		10 💊	H.265	CBR V	Predefined	8192 🗸	×			
	840 x 2160		10 💊	H.265	CBR V	Predefined	8192 🗸	×			
	840 x 2160		10 💊	H.265	CBR V	Predefined	8192 🗸	×			
	840 x 2160		10 💊	H.265	CBR V	Predefined	8192 🗸	×			
	840 x 2160		10 💊	H.265	CBR V	Predefined	8192 🗸	×			
	840 x 2160		10 💊	H.265	CBR V	Predefined	8192 🗸	×			
	840 x 2160		10 💊	H.265	CBR V	Predefined	8192 🗸	×			
	840 x 2160		10 💊	H.265	CBR V	Predefined	8192 🗸	×			
	840 x 2160		10 💊	H.265	CBR V	Predefined	8192 🗸	×			
	840 x 2160		10 💊	H.265	CBR V	Predefined	8192 🗸	×			
	840 x 2160		10 💊	H.265	CBR V	Predefined	8192 🗸	×			
	840 x 2160		10 🔨	H.265	CBR V	Predefined	8192 🗸	×			
	840 x 2160		10 🔨	H.265	CBR V	Predefined	8192 🗸	×			
	840 x 2160		10 🔨	H.265	CBR V	Predefined	8192 🗸	✓			
	840 x 2160		10 🔨	H.265	CBR V	Predefined	8192 🗸	×			
	840 x 2160		30 💊	H.264	CBR V	Predefined	6144 🗸	~	60		
	840 x 2160		10 💊	H.264	CBR V	Predefined	12288 🗸	×	40		
	840 x 2160		30 💊	H.264	CBR V	User-defined	8191	~	30		
	i840 x 2160		15 💊	H.264	CBR V	Predefined	10240 🗸	×	50		
	Total Band M	5dth:4	28Mbne lead B	and Width 95 499Mbas					Copy Defe	lt Apply	
	Total Band W	ndtn:1)	zomops, used B	and width.ap.4aawibps			*		Defau	п Арріу	

Resolution: This parameter defines how large the recorded image will be.

FPS: This parameter defines the number of frames per second the DVR will record.

Video Encode Type: Channel video encode type, there are four options like H.264, H.265, H.264+, H.265+.

Bitrate Control: Select the bitrate level. For a simple scene, such as a gray wall is suitable constant bitrate (**CBR**). For more complex scene, such as a busy street is suitable variable bitrate (**VBR**).

Video Quality: Lowest, Lower, Low, Medium, Higher, Highest

Bitrate Mode: If you want to set the bitrate by yourself, then choose **User-defined** mode. If you want to select the predefined bitrate, choose **Predefined** mode.

Bitrate: This parameter corresponds to the speed of data transfer that the DVR will use to record video. Recordings that are encoded at higher bitrate, will be of better quality.

Audio: Select this option if you want to record audio along with video and have a microphone connected to the DVR or using a camera with audio capability.

I Frame Interval: Set I Frame Interval, only available for IP channel.

ETR: Once enabled, there will be two different frames and resolutions when alarm triggered and not triggered.

Audio menu tab: Setting for camera audio (need device support).

5.2.1.2 Sub Stream

cord		Channel	StreamType	Resolution	FPS	Video Encode Type 🗸	Bitrate 0	Control 🗸	Video Quality 🗸	Bitrate Mode	Bitrate	
pture		CH1	Normal	704 x 480		H.265 🗸	CBR			Predefined	512	
		CH2	Normal	704 x 480		H.265 🗸	CBR			Predefined	512	
			Normal	704 x 480		H.265 🗸	CBR			Predefined	512	
	×	CH4	Normal	704 x 480		H.265 🗸	CBR			Predefined	512	
			Normal	704 x 480		H.265 🗸	CBR			Predefined	512	
		CH6	Normal	704 x 480		H.265 🗸	CBR			Predefined	512	
			Normal	704 x 480		H.265 🗸	CBR			Predefined	512	
		CH8	Normal	704 x 480		H.265 🗸	CBR			Predefined	512	
		CH9	Normal	704 x 480		H.265 🗸	CBR			Predefined	512	
			Normal	704 x 480		H.265 🗸	CBR			Predefined	512	
			Normal	704 x 480		H.265 🗸	CBR			Predefined	512	
			Normal	704 x 480		H.265 🗸	CBR			Predefined	512	
			Normal	704 x 480		H.265 🗸	CBR			Predefined	512	
			Normal	704 x 480		H.265 🗸	CBR			Predefined	512	
			Normal	704 x 480		H.265 🗸	CBR			Predefined		
			Normal	704 x 480		H.265 🗸	CBR			Predefined	512	
			Normal	640 x 480		H.264 🗸	VBR		Highest 🗸	Predefined	4096	
		IP CH2	Normal	1280 x 720		H.264 🗸	CBR			Predefined	4096	
			Normal	640 x 480		H.264 🗸	CBR			User-defined		
		IP CH4	Normal	640 x 480		H.264 🗸	CBR			User-defined	512	

Resolu	tion	FPS	Video Encode	Туре 🗸	Bitrate Co	ntrol 🗸	Video Quality 🗸	Bitrate Mode	Bitrate	Audio		Frame Interv
4 x 480			H.265		CBR			Predefined	512	~		
4 x 480			H.265		CBR			Predefined	512	>		
4 x 480			H.265		CBR			Predefined	512	>		
4 x 480			H.265		CBR			Predefined	512	>		
4 x 480			H.265		CBR			Predefined	512	>		
4 x 480			H.265		CBR			Predefined	512	>		
4 x 480			H.265		CBR			Predefined	512	>		
4 x 480			H.265		CBR			Predefined	512	>		
4 x 480			H.265		CBR			Predefined	512	>		
4 x 480			H.265		CBR			Predefined	512	>		
4 x 480			H.265		CBR			Predefined	512	>		
4 x 480			H.265		CBR			Predefined	512	>		
4 x 480			H.265		CBR			Predefined	512	>		
4 x 480			H.265		CBR			Predefined	512	>		
4 x 480			H.265		CBR			Predefined	512	>		
4 x 480			H.265		CBR			Predefined	512	>		
0 x 480			H.264		VBR		Highest V	Predefined	4096	>	20	0
80 x 72	0	20	H.264		CBR			Predefined	4096	>	30	0
0 x 480			H.264		CBR			User-defined	512	~		
0 x 480			H.264		CBR			User-defined		>		

Resolution: This parameter defines how large the recorded image will be.

FPS: This parameter defines the number of frames per second the DVR will record.

Video Encode Type: Channel video encode type, there are five options like H.264, H.265, H.264+, H.265+, and MJPEG.

Bitrate Control: Select the bitrate level. For a simple scene, such as a gray wall is suitable constant bitrate (**CBR**). For more complex scene, such as a busy street is suitable variable bitrate (**VBR**).

Video Quality: Lowest, Lower, Low, Medium, Higher, Highest



Bitrate Mode: If you want to set the bitrate by yourself, then choose **User-defined** mode. If you want to select the predefined bitrate, choose **Predefined** mode.

Bitrate: This parameter corresponds to the speed of data transfer that the DVR will use to record video. Recordings that are encoded at higher bitrate, will be of better quality.

Audio: Select this option if you want to record audio along with video and have a microphone connected to the DVR or using a camera with audio capability.

I Frame Interval: Set I Frame Interval, only available for IP channel.

ETR: Once enabled, there will be two different frames and resolutions when alarm triggered and not triggered.

Audio menu tab: Setting for camera audio (need device support).

5.2.1.3 Mobile Stream

Setup Channel	Record Alarm	AI Network	Device Syste	m						0 4			×
Encode	Mainstream S	Substream Mobile	stream Audio										
Record	Channel	Switch 🗸	₹ StreamType	Resolution	FPS	Video Encode	Туре 🗸	Bitrate Co	ntrol 🗸	Bitrate Mode	Bitrate		
O Capture	IP CH2	✓	Normal	640 x 480	20	H.264		CBR		Predefined	1536		
	IP CH6	×	Normal	640 x 480		H.265		CBR		Predefined	512		
	IP CH7	>	Normal	320 x 240		H.264		CBR		Predefined	1024		
	IP CH8	×	Normal	640 x 480		H.264		CBR		Predefined	512		
	Total Band Wid	th:128Mbps, Used Ba	and Width:52Mbps								Ap	oply	

Setup Channel	Record Alarm	AI Network	: De	vice System					() 04/11	1/2022 19:28:37 🛛 🗙
	Mainstream	Substream Mot	oilestrea	am Audio						
Record	StreamType	Resolution		FPS 🗸	Video Encode Type 🗸	Bitrate Control 🗸	Bitrate Mode 🗸 🗸	Bitrate	🖌 Audio 🗸	l Frame Interval 🗸
O Capture	Normal	640 x 480		20 🗸	H.264 🗸	CBR 🗸	Predefined V	1536	/	50
	Normal	640 x 480		30 🗸	H.265 🗸	CBR 🗸	Predefined V	512	/	60
	Normal	320 x 240			H.264 🗸	CBR 🗸	Predefined V	1024	 ✓ 	60
	Normal	640 x 480			H.264 🗸	CBR 🗸	Predefined V	512	/	50
						×				
	Total Band Wid	dth:128Mbps, Used	d Band \	Width:52Mbps						Apply

Resolution: This parameter defines how large the recorded image will be.

FPS: This parameter defines the number of frames per second the DVR will record.

Video Encode Type: Channel video encode type, there are four options like H.264, H.265, H.264+, H.265+.

Bitrate Control: Select the bitrate level. For a simple scene, such as a gray wall is suitable constant bitrate (**CBR**). For more complex scene, such as a busy street is suitable variable bitrate (**VBR**).

Video Quality: Lowest, Lower, Low, Medium, Higher, Highest

Bitrate Mode: If you want to set the bitrate by yourself, then choose **User-defined** mode. If you want to select the predefined bitrate, choose **Predefined** mode.

Bitrate: This parameter corresponds to the speed of data transfer that the DVR will use to record video. Recordings that are encoded at higher bitrate, will be of better quality.

Audio: Select this option if you want to record audio along with video and have a microphone connected to the DVR or using a camera with audio capability.

I Frame Interval: Set I Frame Interval, only available for IP channel.

ETR: Once enabled, there will be two different frames and resolutions when alarm triggered and not triggered.

Audio menu tab: Setting for camera audio (need device support).

5.2.1.4 Audio

Setup Channel	Record Alarm	Al Network D	evice System			
	Mainstream Sut	bstream Mobilestr	eam Audio			
Record	Channel	Enable 🗸	Output Volume 🗸	Input Volume 🗸	Туре	
O Capture	IP CH1	~			G711A	
	IP CH2	×			G711A	
	IP CH5	✓			G711U	
	IP CH6	✓			G711U	
	IP CH7	×			G711U	
	IP CH8	✓			G711A	
					×	

Audio menu: Setup IP camera audio (support by camera).

Enable: Enable camera audio. Output Volume: Set camera output volume. Input Volume: Set camera input volume. Type: Set camera audio decode type.

5.2.2 Record

This menu allows you to configure the channel recording parameters.

5.2.2.1 Record

Setup Channel	Record Alarm Al Netwo	rk Device System			Ŀ	04/11/2022 19:2	29:40 X
© Encode	Record Record Schedule						
• Record	Channel	Record Switch 🗸	Stream Mode	✓ PreRecord			
Capture	CH1	✓	DualStream				
* Ouplaid	CH2		DualStream	· 🗸			
		V	DualStream	· 🗸			
	CH4		DualStream	•			
	CH5	~	DualStream	· 🗸			
	CH6	V	DualStream	· 🗸			
	CH7	~	DualStream	•			
	CH8	×	DualStream	· 🗸			
	CH9	×	DualStream N	· 🗸			
	CH10	V	DualStream	· 🗸			
		N	DualStream	· 🗸			
	CH12	N	DualStream	· 🗸			
		N	DualStream	· 🗸			
	CH14	V	DualStream	· 🖌			
		V	DualStream	· 🗸			
	CH16	N	DualStream	· 🗸			
	IP CH1	V	DualStream	· 🗸			
	IP CH2	✓	DualStream	· 🖌			
	IP CH3	✓	DualStream	· 🗸			
	IP CH4	✓	DualStream	· 🔽			
						Default	Apply

Record Switch: Check to enable the recording in this channel.

Stream Mode: Choose the recording quality. If you choose Dual-Stream, the system will record in both Mainstream & Substream.

PreRecord: If this option is enabled, the DVR starts recording a few seconds before an alarm event occurs. Use this option if your primary recording type is motion or I/O alarm based.

5.2.2.2 Record Schedule

This menu allows you to specify when the DVR records video and defines the recording mode for each channel. The recording schedule allows you to set up a schedule like, daily and hourly by normal (continuous) recording, motion recording, I/O alarm recording & PIR recording. To set the recording mode, click the mode radio button (Normal, Motion, IO, PIR), then drag the cursor to mark the slots. The recording schedule is valid only for one channel. If you want to use the same recording schedule for other channels, use **Copy** function. Click **Apply** to save your settings.



Channel: Select the channel to set its recording parameters.

Normal: When the time slot is marked **green**, this indicates the channel performs normal recording for that time slot.

Motion: When the time slot is highlighted with **yellow**, this indicates the channel records only when a motion is detected during that time slot.

IO: When the time slot is highlighted with **red**, this indicates the channel records only when the sensor is triggered during that time slot.

PIR: When the time slot is highlighted with **purple**, this indicates the channel records only when the PIR is triggered during that time slot.

No Record: A time slot marked black means that there is no recording scheduled for the time slot.

5.2.3 Capture

This menu allows to configure the image capture function.

5.2.3.1 Capture

Setup Channel	Reco	rd Alarm	Al Network D	evice System					O 04/11/2022 19:30:2	7 ×
© Encode	Ca	pture Captu	ure Schedule							
Record		Channel	Auto Capture 🗸	Stream Type 🗸	Normal Interval 🗸	Alarm Interval 🗸	Alarm Resolution 🗸	Alarm Quality 🗸		
		CH1	~	Mainstream 🗸	5 s 🗸	5 s 🗸	1920 x 1080 🗸	Higher 🗸		
		CH2	X	Mainstream 🖌	5 s 🗸 🗸	5 s 🗸	1920 x 1080 🗸 🗸	Medium 🗸		
			Y	Mainstream 🗸			1920 x 1080 🗸	Medium 🗸		
		CH4	Y	Mainstream 🗸			1920 x 1080 🗸 🗸	Medium 🗸		
	ħ:		Y	Mainstream 🗸	5 s 🗸		1920 x 1080 🗸	Medium 🗸		
		CH6	Y	Mainstream 💙			1920 x 1080 🗸	Medium 🗸		
			Y	Mainstream 🗸			1920 x 1080 🗸 🗸	Medium 🗸		
		CH8	X	Mainstream 💙			1920 x 1080 🗸	Medium 🗸		
		СНа	×	Mainstream 🗸			1920 x 1080 🗸 🗸	Medium 🗸		
		CH10	V	Mainstream 🗸		5 s 🗸	1920 x 1080 🗸	Medium 🗸		
			×	Mainstream 🗸			1920 x 1080 🗸 🗸	Medium 🗸		
		CH12	×	Mainstream 🗸			1920 x 1080 🗸	Medium 🗸		
			×	Mainstream 😪			1920 x 1080 🗸	Medium 🗸		
		CH14	×	Mainstream 🖌			1920 x 1080 🗸	Medium 🗸		
			X	Mainstream 🗸			1920 x 1080 🗸	Medium 🗸		
		CH16	X	Mainstream 💙			1920 x 1080 🗸	Medium 🖌		
		IP CH1	Y	Mainstream 🗸						
		IP CH2	N	Mainstream 🖌						
		IP CH3	X	Mainstream 🖌						
		IP CH4	2	Mainstream 🗸						
		Digital chan							Copy Default App	ply

Auto Capture: Enable or disable automatic capturing on the channel.

Stream Type: Select the image resolution by mainstream or sub stream.

Normal Interval: Time interval to capture an image in normal recording.

Alarm Interval: Time interval to capture an image when motion, IO alarm or PIR is triggered.

Alarm Quality: The capture quality when alarm triggered, the higher the quality, the clearer the image.



5.2.3.2 Capture Schedule

Setup Channel	Record Alarm Al Network Device System	04/11/2022 19:30:54	×
© Encode	Capture Capture Schedule		
Record	Channel CH1 V		
• Capture		Nerrel	
		Morma Motion	
		0 10	
		PIR	
	SAT		
	×		
	Cop	by Default Apply	/

Normal: When the time slot is marked **green**, this indicates the channel performs normal capture for that time slot.

Motion: When the time slot is highlighted with **yellow**, this indicates the channel capture images only when a motion is detected during that time slot.

IO: When the time slot is highlighted with **red**, this indicates the channel capture images only when the sensor is triggered during that time slot.

PIR: When the time slot is highlighted with **purple**, this indicates the channel capture images only when the PIR is triggered during that time slot.

No Capture: A time slot marked black means that it won't capture any images for the time slot, but you can manually capture images if you enable the manual capture function in the channel.

5.3 Alarm Parameters

In this section, you can configure the alarm parameters.

5.3.1 Motion Detection

Setup Channel	Recor	d Alar	m Al Netwo	rk D	evice Syst	tem				9	04/11/2022 19:31:28	×
	Mo	tion										
PIR	Ch	iannel	Buzzer		Alarm Out	Latch Time	Record 🗸	Post Recording	Show Message 🗸	Send Email 🗸	FTP Picture Upload 🗸	
		CH1	OFF		۲	10 s	ON	30 s	~	~	✓	
		CH2	OFF			10 s	ON	30 s	×	×	×	
w intelligent	k ⊂		OFF			10 s		30 s	×	×	×	
Ombination Alarm		CH4	OFF			10 s	ON	30 s	×	×	×	
PTZ Linkage		CH5	OFF			10 s		30 s	×	×	×	
		CH6	OFF			10 s	ON	30 s	M	×	×	
Exception			OFF			10 s		30 s	×	×	×	
Alarm Schedule		CH8	OFF			10 s	ON	30 s	M	×	×	
Voice Prompts		снэ	OFF			10 s		30 s	×	×	>	
		H10	OFF			10 s	ON	30 s	M	×	×	
			OFF			10 s		30 s	M	×	×	
		H12	OFF			10 s	ON	30 s	M	×	×	
			OFF			10 s		30 s	×	×	×	
		H14	OFF			10 s	ON	30 s	M	×	×	
			OFF			10 s		30 s	×	×	×	
		H16	OFF			10 s	ON	30 s	M	×	×	
	IP		OFF			10 s		30 s	×	×	>	
	IP	CH2	OFF			10 s	ON	30 s	×	×	>	
			OFF			10 s		30 s	~	~	×	
	IP	CH4	OFF			10 s	ON	30 s			>	
									Motion	Сору	Default Apply	

Setup Channel	Record Alarm	n Al	Network Device	System					• 04/11/202	2 19:31:49 💙
Motion	Motion									
PIR	Post Recordir	ıg ∽	Show Message 🗸	Send Email 🗸	FTP Picture Upload 🗸	FTP Video Upload 🗸	Picture to Cloud 🗸	Video to Cloud	Full Screen 🗸	Voice Prompts
 μο 	30 s		✓	✓	✓	✓	✓	<u>~</u>		0
V 110	30 s		V	×	V	×	N			٥
Intelligent	30 s		X	>	×	×	X			
Combination Alarm	30 s		>	×	>	×	>			
PTZ Linkage	30 s		M	>	×	×	M			
Exception	30 s		>	>	>	>	>			
	30 s		X	×	×	×	×			
Alarm Schedule	30 s		<u>×</u>	<u>~</u>	<u>×</u>	<u>×</u>	<u>×</u>			۲
Voice Prompts	30 s		<u> </u>	<u>~</u>	×	×	<u> </u>			
	30 s		×	×	×	×	×			0
	30 s	*	×	×	~	×	×			
	30 s	Ý		×						
	30 s	~				N				6
	30 s			~	×					Ô
	30 s		>	~	>	×	×			
	30 s		X	×	×	×	X			
	30 s		Y	✓	>	✓	Y			
	30 s			>	×	×				
	30 s		>	✓	>	✓	✓			
							Мо	tion Copy	Default	Apply

Channel: Channel name.


Buzzer: The DVR can use its internal buzzer to emit an alarm tone. You can set the buzzer duration in seconds when a sensor is triggered.

Alarm Out: Tick to enable external alarm device to emit an alarm tone when **Motion** is triggered. Latch Time: You can set how long the buzzer will sound when **Motion** is triggered (10s, 20s, 40s, and 1 min).

Record: Click (a) icon and choose which channel(s) you want to record when **motion** detection is triggered.



Post Recording: You can set how long motion record will last when alarm ends (30s, 1minutes, 2minutes, 5minutes.

Show Message: Display motion messages on the screen when sensor is triggered,

show ᄎ icon

Send Email: Set to send email to specified email when sensor is triggered.

FTP Picture Upload: To upload alarm images to FTP server when motion is triggered. To enable FTP, please view <u>5.6.3 FTP</u>

FTP Video Upload: To upload alarm videos to FTP server when motion is triggered. To enable FTP, please view <u>5.6.3 FTP</u>

Picture to Cloud: To upload alarm images to cloud storage when motion is triggered. Please view <u>5.6.2 Cloud</u>

Video to Cloud: To upload alarm videos to cloud storage when motion is triggered. Please view 5.6.2 Cloud

Full Screen: When sensor is triggered, the corresponding channel will be switched to the full screen mode.

Voice Prompts: Voice prompts, when triggering the alarm, the audio file imported by the voice prompt (requiring IPC to support the voice prompt function) can be visible for details <u>5.3.9 Voice</u> <u>Prompts</u>



5.3.2 PIR

Setup Channel	Record Ala	irm Al M	letwork Device	System					• 04/11/2022	19:33:45 🛛 🗙
Ø Motion	PIR									
PIR	Channel	Buzz	er 🗸 Alarm (Dut Latch 1	Time 🗸 Record 🗸	Post Recording	✓ Show Message ✓	Send Email	✓ FTP Pictur	e Upload 🗸 🛛 F
♦ I/O	IP CH1	OFF	× @	10 s	✓ ③ ON	30 s	/	N		~
Intelligent										
Combination Alarm		•								
PTZ Linkage										
Exception										
Alarm Schedule										
Voice Prompts										
							PIR Detect	tion Copy	Default	Apply
Setup Channel	Record Ala	irm Al N	letwork Device	System				(04/11/2022	19:34:03 🗙
Setup Channel	Record Ala	irm Al N	letwork Device	System				(• 04/11/2022	19:34:03 🗙
Setup Channel Motion PIR	Record Ala	ording ×	Network Device	System	FTP Picture Unload	FTP Video Upload	Picture to Cloud, y	Video to Cloud	04/11/2022	19:34:03 X
Setup Channel Motion PIR VO	Record Ala PIR Post Rec 30 s	ording ~	letwork Device Show Message ↓ ✔	System Send Email 🗸	FTP Picture Upload 🗸	FTP Video Upload 🗸	Picture to Cloud ❤	Video to Cloud	O 4/11/2022 Full Screen ↓	19:34:03 X Voice Prompts
Setup Channel Motion PIR I/O Intelligent	Record Ala PIR Post Rec 30 s	ording V	Aetwork Device Show Message ↓ ✔	System Send Email 🗸	FTP Picture Upload 🗸	FTP Video Upload 🗸	Picture to Cloud ❤	Video to Cloud	O4/11/2022 Full Screen ↓	19:34:03 X Voice Prompts
Setup Channel Motion PIR I/O Intelligent Combination Alarm	Record Ald PIR Post Rec 30 s	ording v	Show Message 🗸	System Send Email ↓ ✔	FTP Picture Upioad 🗸	FTP Video Upload 🗸	Picture to Cloud 🗸	(Video to Cloud	O4/11/2022 Full Screen ↓	19:34:03 X Voice Prompts
Setup Channel Motion PIR VO Intelligent Combination Alarm PTZ Linkage	Record Ala Pir Post Rec 30 s	ording ~	Network Device	System Send Email ↓ ¥	FTP Picture Upload 🗸	FTP Video Upload 🗸	Picture to Cloud ↓	(Video to Cloud	9 04/11/2022 Full Screen ~	19:34:03 X Voice Prompts
Setup Channel Motion PIR VO Intelligent Combination Alarm PTZ Linkage Exception	Record Ala PIR Post Rec 30 s	ording V	Network Device	Send Email ↓	FTP Picture Upload 🗸	FTP Video Upload 🗸	Picture to Cloud V	(Video to Cloud	O 4/11/2022 Full Screen ↓	19:34:03 X Voice Prompts
Setup Channel Motion PIR I/O Intelligent Combination Alarm PTZ Linkage Exception Alarm Schedule	Record Ala PIR Post Rec 30 s	AIN ording v	Show Message 🗸	System	FTP Picture Upload 🤝	FTP Video Uplcad 🗸	Picture to Cloud V	(Video to Cloud	O 4/11/2022	19:34:03 X Voice Prompts
Setup Channel Motion Identified Intelligent Intelligent Combination Alarm PTZ Linkage Exception Alarm Schedule Voice Prompts	Record Alc PIR Post Rec 30 s	AI N	Network Device	Send Email 🗸	FTP Picture Upload 🗸	FTP Video Upload 🗸	Picture to Cloud \vee	(Video to Cloud	O 4/11/2022 Full Screen ↓	19:34:03 X Voice Prompts
Setup Channel Motion Intelligent Intelligent Intelligent Combination Alarm Intelligent Exception Alarm Schedule Voice Prompts Intelligent	Record Alic PIR Post Reco 30 s	rrm_Al_N ording ~ ~	Network Device	System Send Email ↓ ☑	FTP Picture Upload 🗸	FTP Video Upload 🗸	Picture to Cloud V	(Video to Cloud	O 4/11/2022 Full Screen ↓	19:34:03 X Voice Prompts
Setup Channel Motion Intelligent Intelligent Combination Alarm PTZ Linkage Exception Alarm Schedule Voice Prompts	Pile Pile Post Record 30 s	Irm Al N	Network Device	System Send Email ↓	FTP Picture Upload 🗸	FTP Video Upload 🗸	Picture to Cloud V	(Video to Cicud	O 4/11/2022	19:34:03 X Voice Prompts ©
Setup Channel Motion Intelligent Intelligent Intelligent PTZ Linkage Exception Alarm Schedule Voice Prompts	Record Alic PiR Post Rec 30 s	irm Al N	Show Message V	Send Email v	FTP Picture Upload 🤝	FTP Video Upload 🗸	Picture to Cloud V	(Video to Cloud	O 4/11/2022 Full Screen ↓	19:34:03 X Voice Prompts
Setup Channel Motion Intelligent Intelligent Intelligent PTZ Linkage Exception Alarm Schedule Voice Prompts	Record Alic PriR Post Rec S0 s	irm Al N	Now Message V	Send Email 🗸	FTP Picture Upload 🗸	FTP Video Upload 🗸	Picture to Cloud V	(Video to Cloud	O 4/11/2022	19:34:03 X Voice Prompts
Setup Channel Motion Image: Comparison of the set of the se	Record Alic PIR Post Rec 30 s	Irm Al N	Network Device	System Send Email ↓ ✓	FTP Picture Upload 🗸	FTP Video Upload 🗸	Picture to Cloud V	(Video to Cloud	O 4/11/2022	19:34:03 X Voice Prompts (*)
Setup Channel Motion Intelligent Combination Alarm Intelligent Exception Intelligent Alarm Schedule Intelligent Voice Prompts Intelligent	Record Alic PiR Post Rec 30 s	irm Al N	Network Device	System Send Email ↓ ✓	FTP Picture Upload 🗸	FTP Video Upload 🗸	Picture to Cloud V	(Video to Cloud	O 4/11/2022	19:34:03 X Voice Prompts ©
Setup Channel Motion Intelligent Combination Alarm Intelligent PTZ Linkage Intelligent Alarm Schedule Voice Prompts	Record Alic PriR Post Rec 30 s	irm Al N	Network Device	System	FTP Picture Upload 🗸	FTP Video Uplcad 🗸	Picture to Cloud V	(Video to Cloud	O 4/11/2022	19:34:03 X
Setup Channel Motion Intelligent Intelligent Intelligent PTZ Linkage Intelligent Alarm Schedule Intelligent Voice Prompts Intelligent	Record Alic PriR Post Rec 30 s	irm Al N	Now Message ~	System	FTP Picture Upload 💙	FTP Video Upload 🗸	Picture to Cloud V	(Video to Cloud	O 4/11/2022	19:34:03 X Voice Prompts
Setup Channel Motion Image: Comparison of Compa	Record Alic PiR Post Rec 30 s	irm Al N	Network Device	System Send Email ↓ ✓	FTP Picture Upload 🗸	FTP Video Upload 🗸	Picture to Cloud V	(Video to Cioud	O 4/11/2022	19:34:03 X

Channel: Channel name

Buzzer: The DVR can use its internal buzzer to emit an alarm tone. You can set the buzzer duration in seconds when **PIR** is triggered.

Alarm Out: Tick to enable external alarm device to emit an alarm tone when a **PIR** is triggered. Latch Time: you can set how long the buzzer will sound when **PIR** is triggered (10s, 20s, 40s, and 1 min).



Record: Click 🙆 icon and choose which channel(s) you want to record when **PIR** is triggered.



Post Recording: You can set how long alarm record will last when **PIR** ends (30s, 1minutes, 2minutes, 5minutes.

Show Message: Display the alarm messages on the screen when PIR is triggered,

show PR icon.

Send Email: Set to send email to specified email when sensor is triggered.

FTP Picture Upload: To upload alarm images to FTP server when PIR is triggered. To enable FTP, please view <u>5.6.3 FTP</u>

FTP Video Upload: To upload alarm videos to FTP server when PIR alarm is triggered. To enable FTP, please view <u>5.6.3 FTP</u>

Picture to Cloud: To upload alarm images to cloud storage when PIR alarm is triggered. Please view <u>5.6.2 Cloud</u>

Video to Cloud: To upload alarm videos to cloud storage when PIR alarm is triggered. Please view <u>5.6.2 Cloud</u>

Full Screen: When **PIR** is triggered, the corresponding channel will be switched to the full screen mode.

Voice Prompts: Voice prompts, when triggering **PIR**, the audio file imported by the voice prompt (requiring IPC to support the voice prompt function) can be visible for details <u>5.3.9 Voice Prompts</u>

5.3.3 I/O Alarm

Connect your DVR to the external sensor I/O alarm device and enable the alarm.

PIR	Alorm In			Buzzor		Alarm Out	Lateh Time		Channel	Post Record	ng	Show Massaga	Sond Empil	ETR Ricture Unles
				Durren .			Laten Time		Chainer	1 Gat Record	ing v			
► I/O	Local<-1	OFF	~	Disable	*		10 s	~		30 s	~	<u> </u>	≚	
Intelligent	Local<-2	Normally-Open	Ý	Disable	~	e e	10 s	~		30 s	~	<u> </u>	<u> </u>	
Combination Mann	Local<-3	Normally-Open	~	Disable	~		10 s	~		30 s	~	<u> </u>	<u> </u>	<u> </u>
Combination Alarm	Local<-4	Normally-Open		Disable	~	(3)	10 s		(3)	30 s		×	<u>×</u>	
PTZ Linkage	Local<-5	Normally-Open		Disable		۲	10 s		۲	30 s		<u>~</u>	~	
Exception	Local<-6	Normally-Open		Disable		٢	10 s		۲	30 s		>	×	
	Local<-7	Normally-Open		Disable			10 s			30 s		×	×	~
Alarm Schedule	Local<-8	Normally-Open		Disable			10 s			30 s		>	×	~
Voice Prompts	Local<-9	Normally-Open		Disable			10 s			30 s		>	×	~
	Local<-10	Normally-Open		Disable			10 s			30 s		×	×	~
	Local<-11	Normally-Open		Disable			10 s			30 s		×	×	~
	Local<-12	Normally-Open		Disable			10 s			30 s		>	×	~
	Local<-13	Normally-Open		Disable			10 s			30 s		>	×	~
	Local<-14	Normally-Open		Disable			10 s			30 s		×	×	~
	Local<-15	Normally-Open		Disable			10 s			30 s		~	~	~
	Local<-16	Normally-Open		Disable		0	10 s		0	30 s		×	×	~
	IP CH5<-1	OFF		Disable			10 s			30 s		~	~	~
	IP CH6<-1	OFF		Disable		0	10 s		٢	30 s		V	~	~
	IP CH8<-1	OFF		Disable		0	10 s		0	30 s		v	~	
				21124510										

Setup Channel	Rec	ord Alarm Al	Netw	ork Device	Sy	stem							G		\times
Ø Motion	V	0													
♦ PIR		Alarm Type		Buzzer		Alarm Out	Latch Time		hannel	Post Recordin	ng 🗸	Show Message 🗸	Send Email 🗸	FTP Picture Upload 🗸	
♥ I/O		OFF		Disable		٥	10 s	~	0	30 s		✓	✓	~	
		Normally-Open		Disable			10 s	~		30 s		×	×	>	
Intelligent		Normally-Open		Disable			10 s	~		30 s		×	×	>	
Combination Alarm		Normally-Open		Disable			10 s	~		30 s		×	>	>	
PTZ Linkage		Normally-Open		Disable			10 s	~		30 s		>	×	>	
		Normally-Open		Disable			10 s	~		30 s		X	×	>	
Exception		Normally-Open		Disable			10 s	*		30 s		>	>	>	
Alarm Schedule		Normally-Open		Disable			10 s	~		30 s		M	×	>	
Voice Prompts		Normally-Open		Disable			10 s	~		30 s		>	✓	>	
		Normally-Open		Disable			10 s	~		30 s		<u>></u>	✓	>	
		Normally-Open		Disable			10 s	~		30 s		<u>×</u>	×	>	
		Normally-Open		Disable			10 s	~		30 s		<u>×</u>	✓	>	
		Normally-Open		Disable			10 s	~		30 s		<u>×</u>	×	>	
		Normally-Open		Disable			10 s	~		30 s		<u>×</u>	×	>	
		Normally-Open		Disable			10 s	~		30 s		<u>×</u>	×	>	
		Normally-Open		Disable			10 s	~		30 s		<u>></u>	✓	>	
		OFF		Disable			10 s	~		30 s		<u>></u>	✓	>	
		OFF		Disable			10 s	~		30 s		<u>></u>	✓	>	
		OFF		Disable			10 s	~		30 s		<u>></u>	×	>	
							►								
													Сору	Default Apply	

Alarm In: I/O channel.

Alarm Type: There are 3 types for your choice: Normally-Open, Normally-Close, and OFF. Buzzer: The DVR can use its internal buzzer to emit an alarm tone. You can set the buzzer duration in seconds when a sensor is triggered.

Alarm out: Tick to enable external alarm device to emit an alarm tone when a sensor is triggered.

Latch Time: You can set how long the buzzer will sound when external sensor is triggered (10s, 20s, 40s, and 1min).

Record: Click (icon and choose which channel(s) you want to record when the motion detection is triggered.



Post Recording: You can set how long alarm record will last when alarm ends (30s, 1minutes, 2minutes, 5minutes).

Show Message: Display the alarm messages on the screen when sensor is triggered. Show Conc.

Send Email: Set to send email to specified email when sensor is triggered.

FTP Picture Upload: FTP Picture Upload: To upload alarm images to FTP server when I/O alarm is triggered. To enable FTP, please view <u>5.6.3 FTP</u>

FTP Video Upload: To upload alarm videos to FTP server when I/O alarm is triggered. To enable FTP, please view <u>5.6.3 FTP</u>

Picture to Cloud: To upload alarm images to cloud storage when I/O alarm is triggered. Please view <u>5.6.2 Cloud</u>

Video to Cloud: To upload alarm videos to cloud storage when I/O alarm is triggered. Please view <u>5.6.2 Cloud</u>

Full Screen: When sensor is triggered, the corresponding channel will be switched to the full screen mode.

Voice Prompts: Voice prompts, when triggering **PIR**, the audio file imported by the voice prompt (requiring IPC to support the voice prompt function) can be visible for details <u>5.3.9 Voice Prompts</u>

5.3.4 Intelligent Analysis

5.3.4.1 SOD (Stationary Object Detection)

Setup Channel	Record Ala	arm Al N	letwork Device Sy	rstem				9	04/11/2022 19:44	22 X
Ø Motion	PID LCD	PD & VD	SOD FD CC S	ound Detection	Video Tampering					
PIR	Channel	Buzze	er 🗸 Alarm Out	Latch T	ïme ✔ Record ✔	Post Recording	✓ Show Message ✓	Send Email 🗸	FTP Picture Uploa	d 🗸 F
I/O	IP CH2	OFF	× ©	10 s	✓ ③ ON	30 s	× <u>V</u>	~	∽	
• Intelligent	IP CH6	OFF		10 s	✓ (③ ON	30 s	×	M	V	
© Combination Alarm	IP CH8	OFF	× 0	10 s	✓ (5) ON	30 s	× <u>×</u>	×	×	
TZ Linkage										
Exception										
Alarra Cabadula			k							
Alarin Scredule										
voice Prompts										
							Intelliger		Default A	pply
Setup Channel	Record Ala	arm Al N	letwork Device Sy	rstem				(04/11/2022 19:44:	:24 🗙
Setup Channel Motion	Record Ala PID LCD	arm Al N PD & VD	letwork Device Sy SOD FD CC Si	rstem ound Detection	Video Tampering			9	04/11/2022 19:44	:24 🗙
Setup Channel Motion PIR	Record Ala PID LCD Post Rec	arm AIN PD&VD	letwork Device Sy SOD FD CC Si Show Message 🗸	rstem ound Detection Send Email 🗸	Video Tampering FTP Picture Upload 🗸	FTP Video Upload 🗸	Picture to Cloud 🗸	Video to Cloud F	04/11/2022 19:44.	Prompts
Setup Channel Motion PIR IO	Record Ala PID LCD Post Rec 30 s	arm AI N PD & VD cording ~	Network Device Sy SOD FD CC So Show Message V	ound Detection Send Email V	Video Tampering FTP Picture Upload v	FTP Video Upload 🗸	Picture to Cloud ↓	Video to Cloud F	04/11/2022 19:44 ull Screen Voice	Prompts
Setup Channel Motion PIR I/O Intelligent	Record Ala PID LCD Post Rec 30 s 30 s	arm AI N PD & VD cording V	Network Device Sy SOD FD CC Si Show Message V	stem ound Detection Send Email V	Video Tampering FTP Picture Upload v	FTP Video Upload 🗸	Picture to Cloud 🗸	Video to Cloud F	04/11/2022 19:44:	Prompts
Setup Channel Motion PiR VO Intelligent Combination Alarm	Record Ala PID LCD Post Rec 30 s 30 s 30 s	arm AI N PD & VD cording ~ ~ ~	Itelwork Device System SCD FD CC Si Show Message V	rstem pund Detection Send Email V V V V V	Video Tampering FTP Picture Upload v V V	FTP Video Upload v V V V	Picture to Cloud V	Video to Cloud F	04/11/2022 19:44 ull Screen V Voice	Prompts (a) (b) (c) (c) (c) (c) (c) (c) (c) (c
Setup Channel Motion PIR VO Intelligent Combination Alarm PTZ Linkage	Record Ala PID LCD Post Rec 30 s 30 s 30 s	arm AI N PD & VD cording ~ ~ ~	eletwork Device Sy SCD FD CC Si Show Message S Source State S S S S S S S S S S S S S S S S S S S	stem ound Detection Send Email V V V V V	Video Tampering FTP Picture Upload v V V	FTP Video Upload 🗸 V V	Picture to Cloud V	Video to Cloud F	04/11/2022 19:44	Prompts © ©
Setup Channel Motion PIR I/O Intelligent Combination Alarm PTZ Linkage Exception	Record Ala PID LCD Post Rec 30 s 30 s	arm AI N PD & VD cording V	letwork Device Sy SOD FD CC Si Show Message Show A	stem ound Detection Send Email ~ Y Y Y	Video Tampering FTP Picture Upload v V V	FTP Video Upload 🗸 V V	Picture to Cloud V	Video to Cloud F	04/11/2022 19:44	Prompts © ©
Setup Channel Motion PIR I/O I/O Intelligent Combination Alarm PTZ Linkage Exception Alarm Schedula	Record Ala PID LCD Post Rec 30 s 30 s 30 s	AI N PD & VD cording V V	letwork Device Sy SOD FD CC Si Show Message Stow Message Stow Message K	stem ound Detection Send Email v S S	Video Tampering FTP Picture Upload 🐱	FTP Video Upload 🗸 Y Y Y	Picture to Cloud V	Video to Cloud F	04/11/2022 19:44	Prompts © ©
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Configure SOD function in this page.

Channel: Channel name

Buzzer: The DVR can use its internal buzzer to emit an alarm tone. You can set the buzzer duration in seconds when a sensor is triggered.

Alarm out: Tick to enable external alarm device to emit an alarm tone when a sensor is triggered. Latch Time: You can set how long the buzzer will sound when **Intelligent** is triggered (10s, 20s, 40s, and 1min).

Record: Click (icon and choose which channel(s) you want to record when the motion detection is triggered.



Post Recording: You can set how long alarm record will last when alarm ends (30s, 1minutes, 2minutes, 5minutes).

Show Message: Display the alarm messages on the screen when sensor is triggered. Show

🍮 icon.

Send Email: Set to send email to specified email when sensor is triggered.

FTP Picture Upload: FTP Picture Upload: To upload alarm images to FTP server when I/O alarm is triggered. To enable FTP, please view <u>5.6.3 FTP</u>

FTP Video Upload: To upload alarm videos to FTP server when **Intelligent** is triggered. To enable FTP, please view <u>5.6.3 FTP</u>

Picture to Cloud: To upload alarm images to cloud storage when **Intelligent** is triggered. Please view <u>5.6.2 Cloud</u>

Video to Cloud: To upload alarm videos to cloud storage when Intelligent is triggered. Please view 5.6.2 Cloud

Full Screen: When sensor is triggered, the corresponding channel will be switched to the full screen mode.

Voice Prompts: Voice prompts, when triggering **Intelligent**, the audio file imported by the voice prompt (requiring IPC to support the voice prompt function) can be visible for details <u>5.3.9 Voice</u> Prompts

Intelligent Copy Default Apply

5.3.4.2 Sound Detection

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Ø Motion	PID LCD	PD&VD		CC So	und Detection	Video Tamp	ering						
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♦ 1/O	CH1	OFF		۲	10 s		ON	30 s		~	~		~
A Intelligent	CH2	OFF			10 s		ON	30 s		×	>		×
• intolligent		OFF			10 s			30 s		×	×		N
Combination Alarm	CH4	OFF			10 s		ON	30 s		✓	>		×
PTZ Linkage	CH5	OFF			10 s			30 s		<u>~</u>	×		Y
Exception	CH6	OFF		۲	10 s		ON	30 s		<u>×</u>	×		¥.
		OFF			10 s		ON	30 s		<u>~</u>	<u>~</u>		<u>~</u>
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Voice Prompts	€ CH10	OFF			10 s	~		30 s	~				<u> </u>
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	CH12	OFF	×		10 5	* 		30 s	×				
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Configure Sound Detection in this page.

Channel: Channel name

Buzzer: The DVR can use its internal buzzer to emit an alarm tone. You can set the buzzer duration in seconds when a sensor is triggered.

Alarm out: Tick to enable external alarm device to emit an alarm tone when a sensor is triggered.

Latch Time: you can set how long the buzzer will sound when **Intelligent** is triggered (10s, 20s, 40s, and 1min).

Record: Click (icon and choose which channel(s) you want to record when the motion detection is triggered.



Post Recording: You can set how long alarm record will last when alarm ends (30s, 1minutes, 2minutes, 5minutes).

Show Message: Display the alarm messages on the screen when sensor is triggered. Show

🍮 icon.

Send Email: Set to send email to specified email when sensor is triggered.

FTP Picture Upload: To upload alarm images to FTP server when I/O alarm is triggered. To enable FTP, please view <u>5.6.3 FTP</u>

FTP Video Upload: To upload alarm videos to FTP server when **Intelligent** is triggered. To enable FTP, please view <u>5.6.3 FTP</u>

Picture to Cloud: To upload alarm images to cloud storage when **Intelligent** is triggered. Please view <u>5.6.2 Cloud</u>

Video to Cloud: To upload alarm videos to cloud storage when Intelligent is triggered. Please view <u>5.6.2 Cloud</u>

Full Screen: When sensor is triggered, the corresponding channel will be switched to the full screen mode.

Voice Prompts: Voice prompts, when triggering **Intelligent**, the audio file imported by the voice prompt (requiring IPC to support the voice prompt function) can be visible for details <u>5.3.9 Voice</u> <u>Prompts</u>

5.3.4.3 Video Tampering

Setup Channel	Record Ala	arm Al Net	work De	evice Sys	stem						0	04/11/2022	19:48:23	×
Ø Motion	PID LCD	PD & VD S		CC So	und Detection	Video Tamp	pering	k						
PIR	Channel	Buzzer		Alarm Out	Latch T	ïme 🗸	Record 🗸	Post Recording	✓ Show	Message 🗸	Send Email 🗸	FTP Picture	Upload 🗸	
© 1/O	CH1	OFF		۲	10 s		ON	30 s		~	~		-	
	CH2	OFF		۲	10 s		ON (30 s		V	~		2	
Intelligent		OFF			10 s			30 s		>	×		-	
Combination Alarm	CH4	OFF			10 s		ON	30 s		×	×	5	-	
• PTZ Linkage	CH5	OFF			10 s			30 s		>	×		-	
, <u>.</u>	CH6	OFF			10 s		ON	30 s		>	V			
• Exception		OFF			10 s			30 s		>	×		×	
Alarm Schedule	CH8	OFF			10 s		ON	30 s		>	×		4	
Voice Prompts	CH9	OFF			10 s			30 s		>	×		×	
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		OFF			10 s			30 s		<u>×</u>	×	5	×	
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	CH14	OFF			10 s		ON	30 s		M	>		Z	
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Exception	30 s		~		×		~	✓		~				
	30 s		~		~		~	~		~				
Alarm Schedule	30 s		~		~		~	~		~			٢	
	20 e	~	~		~			Image: A state of the state		Image: 1			6	

Colup									
Ø Motion	PID LCD PD & VD		Sound Detection	Video Tampering	k				
PIR	Post Recording 🗸	Show Message 🗸	Send Email 🗸	FTP Picture Upload 🗸	FTP Video Upload 🗸	Picture to Cloud 🗸	Video to Cloud	Full Screen 🗸	Voice Prompts
	30 s 🗸	✓	~	>	V	~			۲
	30 s 🗸	>	×	>	>	>	×		
	30 s 🗸	✓	>	>	>	✓			
Combination Alarm	30 s 🗸	✓	×	>	>	✓			
PTZ Linkage	30 s 🗸	✓	>	>	>	✓			
 Evention 	30 s 🗸	✓	×	>	>	✓			
Exception	30 s 🗸	✓	>	>	>	✓			
Alarm Schedule	30 s 🗸	✓	×	>	>	V			
Voice Prompts	30 s 🗸	>	>	>	>	✓			
	30 s 🗸	>	×	>	>	✓			
	30 s 🗸	✓	×	>	>	>			
	5 Min 🗸	×	×	×	>	>			
	5 Min 🗸	>	×	>	>	S			
	30 s 🗸	×	×	×	>	N			
	30 s 🗸	×	×	×	>	>			
	30 s 🗸	×	×	×	×	N			
	30 s 🗸	×	×	×	>	×			
						Intellio	ent Conv	Default	Apply
						miteniigi	сору	Derault	Abbia

Configure PID function in this page.

Channel: Channel name

Buzzer: The DVR can use its internal buzzer to emit an alarm tone. You can set the buzzer duration in seconds when a sensor is triggered.

Alarm out: Tick to enable external alarm device to emit an alarm tone when a sensor is triggered. Latch Time: you can set how long the buzzer will sound when Intelligent is triggered (10s, 20s, 40s, and 1min).



Record: Click (icon and choose which channel(s) you want to record when the motion detection is triggered.

Record Channel													
Analog Channels	1						10	11	12	13	14	15	16
IP Camera			5	6		9			12	13	14	15	16

Post Recording: You can set how long alarm record will last when alarm ends (30s, 1minutes, 2minutes, 5minutes).

Show Message: Display the alarm messages on the screen when sensor is triggered. Show

🍮 icon.

Send Email: Set to send email to specified email when sensor is triggered.

FTP Picture Upload: To upload alarm images to FTP server when I/O alarm is triggered. To enable FTP, please view <u>5.6.3 FTP</u>

FTP Video Upload: To upload alarm videos to FTP server when **Intelligent** is triggered. To enable FTP, please view <u>5.6.3 FTP</u>

Picture to Cloud: To upload alarm images to cloud storage when **Intelligent** is triggered. Please view <u>5.6.2 Cloud</u>

Video to Cloud: To upload alarm videos to cloud storage when Intelligent is triggered. Please view 5.6.2 Cloud

Full Screen: When sensor is triggered, the corresponding channel will be switched to the full screen mode.

Voice Prompts: Voice prompts, when triggering **Intelligent**, the audio file imported by the voice prompt (requiring IPC to support the voice prompt function) can be visible for details <u>5.3.9 Voice</u> Prompts

5.3.5 Combination Alarm

Setup Channel	Record A	arm Al Netv	vork Device Syste	m						() 04/11/20	22 19:49:32 🛛 🗙
Ø Motion	Combinatio	on Alarm										
PIR	Channel	Enable Alarm 🗸	Combination Configure	e Buzzer		Alarm Out	Latch Time		Record 🗸	Post Recording	✓ Sh	ow Message 🗸 S
I/O	CH1	Disable 🗸	۲	Disable	~	۲	10 s	~	ON	30 s	~	
Intelligent	CH2	Disable 🗸	۲	Disable		0	10 s		ON	30 s		×
		Disable 🗸	Ø	Disable Combined Al	✓	Optimization	10 s			30 s		
Combination Alarm	CH4	Disable 🗸		Combined Ai		guration	~		ON	30 s		×
PTZ Linkage	CH5	Disable V		Alarm Typ		Alarm So	ource		ON ON	30 s		×
Exception	СНБ СН7	Disable V		Motion		Analog Ch	han 🗸	~		30 s	~	×
Alarm Schedule	СН8	Disable V				Local<-1		* *	ON ON	30 s	~	
	СН9	Disable V							ON	30 s		×
Voice Prompts	► CH10	Disable 🗸	Conditio	n Description:					ON (30 s		×
		Disable 🗸	Motion 8	& Local<-1						30 s		×
	CH12	Disable 🗸	And						ON	30 s		V
		Disable 🗸	I/O & Lo	cal<-1						30 s		×
	CH14	Disable 🗸							ON	30 s		×
		Disable 🗸								30 s		Y
	CH16	Disable 🗸							ON	30 s		×
	IP CH1	Disable 🗸		Disable			10 s			30 s		×
	IP CH2	Disable 🗸	(a)	Disable		0	10 s		ON	30 s		×
	IP CH3	Disable V		Disable			10 s		ON ON	30 s		×
	IF CH4	Disable V	O	Disable	*		10 s	*	ON ON	30 s	~	–
Setup Channel	Record Al	arm Al Netw	vork Device Syste	m						(04/11/20	22 19:50:01 🗙
Setup Channel Motion PIR	Record Al	arm Al Network	vork Device Syste	m Email y ETP P	icture Hologr	FTP	Video Lloload 😽	Pictur	to Claud M	(04/11/20:	22 19:50:01 X
Setup Channel Motion PIR in	Record Al Combinatio	arm Al Netv on Alarm ording v Sh	vork Device Syste ow Message γ Send	m Email y FTP P	icture Uploac	I v FTP	Video Upload 🗸	Pictur	e to Cloud ∨	Video to Cloud	€ 04/11/202 Full Screen ↓	22 19:50:01 X
Setup Channel Motion PIR I/O	Record Al Combination Post Record 30 s 30 s	arm Al Netw on Alarm ording v Sh	vork Device Syste	m Email v FTP P V	icture Upload	I v FTP	Video Upload 🗸	Pictur	e to Cloud 🗸	Video to Cloud	€ 04/11/20 Full Screen ↓	Voice Prompts
Setup Channel Motion PIR I/O Intelligent	Record All Combination Post Record 30 s 30 s 30 s	arm Al Network	vork Device Syste	m Email v FTP P V V	icture Upload V V	I ↓ FTP	Video Upload 🗸 V V	Pictur	e to Cloud 🗸	Video to Cloud	€ 04/11/20 Full Screen ✓	22 19:50:01 X Voice Prompts © ©
Setup Channel Motion PIR I/O Intelligent Combination Alarm	Record All Combination Post Record 30 s 30 s 30 s 30 s	Al Network	vork Device Syste	m Email ~ FTP P V V V	icture Upload V V V V	I 🗸 FTP	Video Upload 🗸 V V V	Pictur	e to Cloud V V V V	Video to Cloud	© 04/11/203	22 19.50.01 × Voice Prompts © © ©
Setup Channel Motion PIR VO Intelligent Combination Alarm PTZ Linkage	Record Al Combination Post Record 30 s 30 s 30 s 30 s 30 s 30 s	Al Networks Al Network Alarm	vork Device Syste	m Email v FTP P V V V V	icture Uploac V V V V V V V V V V V V	I ↓ FTP	Video Uplcad 🗸 V V V V V V V V V V V V	Pictur	e to Cloud V VV VV VV VV VV VV VVV	Video to Cloud	● 04/11/20:	22 19.50.01 × Voice Prompts © © © © © ©
Setup Channel Motion PIR VO Intelligent Combination Alarm PTZ Linkage Evenetion	Record AJ Combinatio 90 s 30 s 30 s 30 s 30 s 30 s 30 s 30 s	arm Al Networks	vork Device Syste	m Email v FTP P V V V V V	icture Upload V V V V V V V V V V V V V	i v FTP	Video Upload 🗸	Pictur	e to Cloud V V V V V V V V	Video to Cloud	© 04/11/202	22 19.50.01 × Voice Prompts © © © © © © © ©
Setup Channel Motion Image: Comparison of the set	Record All Combination Post Record 30 s 30 s 30 s 30 s 30 s	arm Al Networks	vork Device Syste	m Email v FTP P V V V V V V V V V V V V V V V V V V	icture Upload S S S S S S S S S S S S	I v FTP	Video Uplcad v	Pictur	e to Cloud V S S S S S S S S S S S S S S S S S S S	Video to Cloud	© 04/11/20:	22 19.50.01 × Voice Prompts © © © © © © © ©
Setup Channel Motion Image: Comparison of the set	Record All Combination Combination 90st Record 30 s 30 s 30 s	arm Al Networks	vork Device Syste	m Email v FTP P V V V V V V V V V V V V V V V V V V	icture Upload Y Y Y Y Y Y Y Y Y	I v FTP	Video Uplcad v	Pictur	e to Cloud V	Video to Cloud	• 04/11/20.	22 19.50.01 × Voice Prompts © © © © © © © © © © © © © © © © © © ©
Setup Channel Motion Image: Comparison of the set	Record All Combinationation 0 90st Record 30 s 30 s 30 s	arm Al Networks	vork Device Syste	m Email V FTP P V V V V V V V V V V V V V V V V V V	icture Upload Y Y Y Y Y Y Y Y Y Y Y Y Y Y	I v FTP	Video Upload v	Pictur	e to Cloud 🗸	Video to Cioud	• 04/11/20:	22 19.50.01 X Voice Prompts © © © © © © © © © © © © © © © © © © ©
Setup Channel Motion Image: Comparison of the set	Record All Combinationation 0 30 s 30 s	arm Al Networks	vork Device Syste	m Email V FTP P V V V V V V V V V V V V V V V V V V	icture Upload	I v FTP	Video Uplead v	Pictur	e to Cloud V	Video to Cloud	● 04/11/200	22 19.50.01 × Voice Prompts © © © © © © © © © © © © © © © © © © ©
Setup Channel Motion Image: Comparison of the set	Record All Combinationation 0 30 s 30 s	arm Al Networks	vork Device Syste	m Email V FTP P S S S S S S S S S S S S S S S S S S	icture Upload	I 🔶 FTP	Video Uplead v	Pictur	e to Cloud V	Video to Cloud	● 04/11/200	22 19.50.01 × Voice Prompts © © © © © © © © © © © © © © © © © © ©
Setup Channel Motion Image: Comparison of the set	Record All Combinationation 0 30 s 30 s	arm Al Networks	vork Device Syste	m Email V FTP P S S S S S S S S S S S S S S S S S S	icture Upload	I 🔶 FTP	Video Uplcad v	Pictur	e to Cloud V	Video to Cloud 4	● 04/11/200	22 19.50.01 × Voice Prompts © © © © © © © © © © © © © © © © © © ©
Setup Channel Motion PIR UO Intelligent PIZ Linkage Exception Aarm Schedule Voice Prompts	Record Al Combinationation 0 30 s 30 s	arm Al Networks	vork Device Syste	m Email V FTP P S S S S S S S S S S S S S S S S S S	icture Upload	I 🔶 FTP	Video Uplcad V	Pictur	e to Cloud V	Video to Cloud 4	● 04/11/200	22 19.50.01 × Voice Prompts © © © © © © © © © © © © ©
Setup Channel Motion PIR PIR Intelligent Intelligent Intelligent Exception Intelligent Aarm Schedule Intelligent Voice Prompts Intelligent	Record Al Combinationation 0 30 s 30 s	arm Al Networks	vork Device Syste	m Email V FTP P S S S S S S S S S S S S S S S S S S	icture Upload	I 🔶 FTP	Video Uplcad V	Pictur	e to Cloud ~	Video to Cloud	● 04/11/200	22 19.50.01 × Voice Prompts © © © © © © © © © © © © © © © © © © ©
Setup Channel Motion PIR I/O Intelligent PTZ Linkage PTZ Linkage Aarm Schedule Voice Prompts	Record Al Combinationation 0 30 s 30 s	arm Al Networks	vork Device Syste	m Email V FTP P S S S S S S S S S S S S S S S S S S	icture Upload	I 🔶 FTP	Video Uplcad V	Pictur	* to Cloud ~	Video to Cloud 4	● 04/11/200	22 19.50.01 × Voice Prompts © © © © © © © © © © © © © © © © © © ©
Setup Channel Motion PIR I/O Intelligent PTZ Linkage PTZ Linkage Alarm Schedule PTZ Linkage Voice Prompts PTZ Linkage	Record All Combinationation 0 30 s 30 s	arm Al Networks	vork Device Syste	m Email > FTP P S S S S S S S S S S S S S S S S S S	icture Upload	I 🔶 FTP	Video Uplcad V	Pictur	* to Cloud ~		● 04/11/200	22 19.50.01 × Voice Prompts © © © © © © © © © © © © © © © © © © ©
Setup Channel Motion PIR I/O Intelligent PTZ Linkage PTZ Linkage Aarm Schedule PTZ Linkage Voice Prompts PTZ Linkage	Record All Combinationation Post Record 30 s 30 s	arm Al Networks	vork Device Syste	m Email > FTP P S S S S S S S S S S S S S S S S S S	icture Upload	I 🗸 FTP	Video Uplcad V	Pictur	* to Cloud ~	Video to Cloud 4	● 04/11/200	22 19.50.01 × Voice Prompts © © © © © © © © © © © © © © © © © © ©
Setup Channel Motion PIR I/O Intelligent PTZ Linkage PTZ Linkage Alarm Schedule PTZ Linkage Voice Prompts PTZ Inkage	Record All Combination 0 30 s 30 s	arm Al Networks	vork Device Syste	m Email > FTP P S S S S S S S S S S S S S S S S S S	icture Upload	I 🗸 FTP	Video Uplcad V	Pictur	* to Cloud ~		♥ 04/11/200	22 19.50.01 × Voice Prompts © © © © © © © © © © © © © © © © © © ©
Setup Channel Motion PR PR PR IDE PR PR PR </td <td>Record All Combination 0 30 s 30 s 30 s 30 s</td> <td>arm Al Networks</td> <td>vork Device Syste</td> <td>m Email > FTP P S S S S S S S S S S S S S S S S S S</td> <td>icture Upload</td> <td>I 🗸 FTP</td> <td>Video Uplcad V</td> <td>Pictur</td> <td>* to Cloud ~</td> <td></td> <td>♥ 04/11/200</td> <td>22 19.50.01 × Voice Prompts © © © © © © © © © © © © © © © © © © ©</td>	Record All Combination 0 30 s 30 s 30 s 30 s	arm Al Networks	vork Device Syste	m Email > FTP P S S S S S S S S S S S S S S S S S S	icture Upload	I 🗸 FTP	Video Uplcad V	Pictur	* to Cloud ~		♥ 04/11/200	22 19.50.01 × Voice Prompts © © © © © © © © © © © © © © © © © © ©
Setup Channel Motion PIR PIR PIR ID PIR PIR PIR ID PIR PIR PIR ID PIR PIR	Record All Combination Post Record 30 s 30 s	arm Al Networks	vork Device Syste	m Email > FTP P S S S S S S S S S S S S S S S S S S	icture Upload	I Y FTP	Video Upload V	Pictur	e to Cloud V		♥ 04/11/200	22 19.50.01 ×

Channel: Channel name

Enable Alarm: Whether channel combination alarm can be set, **Enable** enables combination alarm (combination alarm system parameter of the channel configuration takes effect, alarm parameter set separately by the channel is not effective). **Disable** does not enable combination alarm (combination alarm system parameter configured by the channel is not effective, and event alarm system parameter set separately by the channel does take effect).

Channel combination alarm is enabled. **Combination Configure** selects two alarm types. When both alarms are triggered within the same time period, the notification information such as buzzer, mail, push, upload is enabled. When only one of the alarms is triggered or when it is not triggered or when alarms other than the combination occurs, email, push and other notifications will not be sent. Two alarm types can be combined casually.

For example, the channel sets the "Alarm->Combination Alarm" as per PID + MOTION

- Configure the CH 1 Alarm-> Combination Alarm alarm response system parameters. Configure the alarm combination type Motion + PID. Set up the Buzzer Alarm Out, Latch time, Record, Post recording, Show Message, Send Email, Picture to Cloud, Video to Cloud, Full Screen, Voice Prompts.
- 2. When the CH 1 combination alarm switch is enabled and Motion + PID is triggered at the same time, (the response combination parameters configured by the buzzer, mail, push, upload, etc. are not the system alarm parameters configured separately for the response event). For mail: The client is named by event. When the combined alarm is turned on, if the CH4 triggers an alarm other than the Motion + PID alarm, the other alarm will not respond to the alarm system parameters (such as LCD, SOD, etc.) corresponding to the CH4 alarm setting. Turn off the CH4 combination alarm switch, and each set event alarm of CH4 separately responds to the respective configured system alarm parameters.

Buzzer: The DVR can use its internal buzzer to sound an alarm. You can set the buzzer duration (in seconds) when triggering a combined alarm.

Alarm out: Check whether the external alarm device is triggered when the combination alarm is triggered.

Latch Time: You can set the duration of triggering the external alert devices (10s, 20s, 40s, and 1Min).

Record: Click 🙆 icon and select the channel to record when triggering the combination alarm.



Post Recording: You can set the duration of continuous DVR recording after the event occurs. The suggested recording time is 30 seconds, but can be set to up to 5 minutes.

Show Message: Select this box to display the corresponding alert icon on the real-time display

screen when a combined alarm is detected: Trigger Motion + PID alarm, show 2 and 3 icon.

Send Email: Set to send email to specified email when sensor is triggered.

FTP Picture Upload: To upload alarm images to FTP server when I/O alarm is triggered. To enable FTP, please view <u>5.6.3 FTP</u>.

FTP Video Upload: To upload alarm videos to FTP server when **Combination alarm** is triggered. To enable FTP, please view <u>5.6.3 FTP</u>.

Picture to Cloud: To upload alarm images to cloud storage when **Combination alarm** is triggered. Please view <u>5.6.2 Cloud</u>.

Video to Cloud: To upload alarm videos to cloud storage when Combination alarm is triggered. Please view <u>5.6.2 Cloud</u>.

Full Screen: When **Combination alarm** is triggered, the corresponding channel will be switched to the full screen mode.

Voice Prompts: Voice prompts, when triggering **Combination alarm**, the audio file imported by the voice prompt (requiring IPC to support the voice prompt function) can be visible for details <u>5.3.9 Voice Prompts</u>.

5.3.6 PTZ Linkage

If you had connected the PTZ cameras, you can set the linkage between PTZ cameras and Motion Alarm and/or external I/O sensor alarm. With the linkage function, you can turn your PTZ cameras focus to the preset point when a motion or I/O alarm happens.

Setup Channel	Record Alarm	AI Network D	evice System					O4/11/20	22 19:50:53
Motion	PTZ Linkage								
PIR	Channel	Switch 🗸	Motion 🗸		PIR V	PTZ1 🗸	PTZ2 🗸	PTZ3 🗸	PTZ4 🗸
	CH1	~	~	۲		OFF	OFF	OFF	OFF
A Intelligent	CH2	×	X		×	OFF	OFF	OFF	OFF
v intelligent		×	×		X	OFF		OFF	OFF
Combination Alarm	CH4	X	×		×	OFF	OFF	OFF	OFF
		×	X		2		OFF	OFF	OFF
	CH6	V	X		M	OFF	OFF	OFF	OFF
Exception		V	X		X				OFF
Alarm Schedule	CH8	×	X		X	OFF	OFF	OFF	OFF
Voice Promots	СНа	×	X		X	OFF	OFF		OFF
- Voice i tompto	CH10	×.	×		X	OFF	OFF	OFF OFF	OFF
		N	X		2			OFF	
		X	X		N	OFF	OFF	OFF	OFF
		V	X		X			OFF	
	CH14	Y			M	OFF	OFF	OFF	OFF
		V	X		2				
		V	M		2	OFF	OFF	OFF	OFF
	IP CH1	S	M		M	OFF	OFF		
	IP CH2	S	M		N	OFF	OFF	OFF	OFF
	IP CH3	S				OFF	OFF	OFF	OFF
	IP CH4		M			OFF	OFF	OFF	OFF
		*							
								Copy Defau	It Apply

Switch: Enable or disable the PTZ linkage function.

Motion: Motion detection alarm will trigger the PTZ linkage function it is checked.

IO: IO alarm will trigger the PTZ linkage function it is checked.

PIR: PIR Alarm will trigger the selected PTZ linkage function.

PTZ1-4: Maximum four present points can be set. Click 🙆 icon to associate the PTZ cameras

with preset points. View preset point at 5.1.4.1 PTZ control.

Click here CH1

11 Y None

to choose the camera and present points that need to link.

Select it **EXECUTE** to enable the linkage.

5.3.7 Exception

Setup Channel	Record Alarm	Al Network	Device Sys	tem					03/26/2022 1	5:39:51	\times
Motion	Exception										
🕆 PIR	Event Type	Switch 🗸	Buzzer	✓ Alarm Out	Latch Time	Show Message 🗸	Send Email 🗸	Voice Prompts			
I/O	No Space on Disk	>	OFF	× @	10 s	~	~	۲			
A lot-Rout	Disk Error	>	OFF		10 s	×	×				
♥ Inteiligent	Video Loss	>	OFF		10 s	×	>				
Combination Alarm											
PTZ Linkage											
• Exception											
Alarm Schedule											
Voice Prompts		×									
									Default	Apply	

This menu allows you to set the type of events that you want the DVR to inform you.

Event Type: Select the event type from below options:

- No Space on Disk: When an HDD is full.

- Disk Error: If the HDD is not detected properly.

- Video Loss: If a camera is not connected properly.

Switch: Check the box to enable the monitoring of the event.

Buzzer: Set the buzzer duration when the event occurs (Off/10s/20s/40s/60s). To disable buzzer,

select OFF.

Latch Time: This is an optional function. Determine how long the external alarm device to sound

(10s, 20s, 40s, 60s) if your DVR support to connect external alarm device.

Alarm Out: This is an optional function. Click to enable the external alarm device to sound. This is an optional function.

Show Message: Check the box to display a message on the screen when No Space on Disk, Disk

Error, or Video Loss event happens.

Send Email: Let the DVR to send you an auto-email when an event occurs.

Voice Prompts: Voice prompts, when triggering **Alarm** the audio file imported by the voice prompt (requiring IPC to support the voice prompt function) can be visible for details <u>5.3.9 Voice Prompts</u>

5.3.8 Alarm Schedule



This menu can set the schedule of various alarms.

Channel: Select the channel.
Alarm Out: Set the schedule for alarm out.
Push: Set the schedule for push.
FTP Upload: Set the schedule for FTP uploading.
Cloud Upload: Set the schedule for cloud upload.
Buzzer: Set the schedule for buzzer.

5.3.9 Voice Prompts

This function is to realize the alarm linkage when the alarm occurs, the system collects the alarm signal and the voice broadcast equipment, and automatically or manually plays the associated audio to the "intrusion" object on the scene. (Each alarm setting item and the editing page of the face database face image has a voice broadcast option)

5.3.9.1 File Management

Setup Channel	Record Alarm Al Network Device System	03/26/2022 15:34:47	\times
Motion	File Management Loop Management		
PIR	Channel ✓ Local I IP Camera 1 3 4 5 6 8 d₁		
⊕ I/O	Voice Prompts None		
Intelligent	Model Import Files ~		
Combination Alarm			
PTZ Linkage			
Exception			
Alarm Schedule			
• Voice Prompts			
	k.		

Click **Import** to import costumed audio. It supports three import modes: Import File, Local Conversion, and Internet Server Conversion.

Import File: Local import (support the import of audio files in MP3, WMA, WAV format) Local Conversion: Local translation (input of text content to be translated, translated to audio file, and automatically saved to hard disk storage)

Internet Server Conversion: Web server translation (by locally entering the translated text content, sent to the network server for translation into audio files, and automatically saved to the local hard disk storage)

Local Conversion and Internet Server Conversion have more language box and text box than Import File. Local Conversion language selection is to English by default, and it doesn't choose any other language for the user.

The input box has a maximum allowed input length of 1,024 bytes. **Import File** import audio files, face database and license plate database allow file size of 1~500K, non-face database and license plate database allows file size of 1~5M.

After importing audio file, you can select which file to play in Voice Prompt.



Only Local is supported for the broadcast mode.

Setup Channel	Record Alarm	Al Network Device System			05/06/2022 08:57:24	×
Motion	File Managemer	nt Loop Management				
⊕ PIR	Channel	✓ Local 1 IP Camera 1 3 5 6 7				
⊕ I/O	Voice Prompts					
Intelligent	Model	Internet Server Conversion		*		
·	Language	ENGLISH				
Combination Alarm	Name 1	11				
PTZ Linkage	h	nello				
Exception	Plain Text					
·			Import			
Voice Prompts						

Local: Local broadcast (when choosing this broadcast mode, the audio output shall is connected to the device side)

Voice Prompts setting by time period: An alarm type can support setting the voice broadcast of up to 12 time periods. There is no conflict between the start and end time of any time period

Setup Channel	Record	Alarm Al N	etwork	Device System						(9 05/06/20		×
Motion	Motic	n											
PIR	rd 🗸	Post Recording		Show Message 🗸	Send Email 🗸	FTP Picture Upload 🗸	FTP Video Uploa	I ✓ Pictur	e to Cloud 🗸	Video to Cloud	Full Screen	 Voice Pro 	mpts
⊕ I/O	ON	30 s		~	✓	~			V			۲	
	ON	30 s		<u>~</u>	~	<u>~</u>	Channel						
🖤 Intelligent	ON	30 s		×	>	~		IP Camera	a 1 3 5 (5 7			
Combination Alarm	ON	30 s		×	>	~							
PTZ Linkage	ON	30 s		×	>	~	Voice Prompts			`	00:00:00	~ 00:59:59	
<u> </u>	ON	30 s		×	>	~				```	01:00:00	~ 01:59:59	
Exception	ON	30 s		×	>	~		None		`	02:00:00	~ 02:59:59	
Alarm Schedule	ON	30 s		<u>×</u>	>	≤				`	03:00:00	~ 03:59:59	
Voice Promote										```	04:00:00	~ 04:59:59	
 voice i tompta 								None		```	05:00:00	~ 05:59:59	
										`	06:00:00	~ 06:59:59	
								None		```	07:00:00	~ 07:59:59	4»
										`	08:00:00	~ 08:59:59	
								None		`	09:00:00	~ 09:59:59	(1)
							k	None			10:00:00	10:59:59	<0) -1)
								None			11:00:00	11:59:59	49
									Motion	Сору	Default	Apply	

Voice broadcast setting based on face recognition: This function is to realize that when face recognition occurs, the system collects the alarm signal and the voice broadcast equipment for linkage, and automatically plays the associated audio to the scene "intrusion" object.

Note: Imported audio based on black and white list face images can only be used for the associated images.

Setup Setup Modify Statistics V Lo 1 3 5 6 7 00:00:00 00:00:00 ~ 23:59:59 ~ 23:59:59 00:00:00 ~ 23:59:59 00:00:00 ~ 23:59:59 ~ 23:59:59 Modify Exit

When the face detection triggers the face detection, there will be a voice prompt.



5.3.9.2 Loop Management

Setup Channel	Record Alarm Al Network Device System	03/26/2022 15	:34:53 🗙
Motion	File Management Loop Management		
PIR	Channel Vocal I IP Cannera 1 3 4 5 6 8		
⊕ I/O	Voice Prompts None ✓ 00.00:00 ~ 23:59:59 <		
Intelligent			
Combination Alarm			
PTZ Linkage			
Exception			
Alarm Schedule			
Voice Prompts	,		
		Default	Apply

Voice Prompts selects the audio file, and after setting the time period, the selected audio file will be played repeatedly without alarm or hearing the audio file, supporting the voice broadcast for up to 12 time periods.

Local: Local broadcast (when choosing this broadcast mode, the audio output shall be connected to the device side)



5.4 AI

5.4.1 Setup

Note:

1. The AI functions are only supported when the DVR is connected to the following AI-capable UA-IP cameras or analog cameras.

Camera Model/Type	AI Functions
	PD&VD (Human & Vehicles Detection)
	PID (Perimeter Intrusion Detection)
	LCD (Line Crossing Detection)
	SOD (Stationary Object Detection)
UA-B380F3 (V1.01 of later)	CC (Cross Counting)
UA-R560F2 (V1.01 of later)	FD (Face Detection)
UA-R580F2 (V1.01 of later)	HM (Heat Map)
UA-R800F2 (V1.01 01 later)	CD (Crowd Density Detection)
	QD (Queue Length Detection)
	LPD (License Plate Detection)
	RSD (Rare Sound Detection)
	FD (Face Detection)
Angles Company	PD&VD (Human & Vehicles Detection)
Analog Cameras	PID (Perimeter Intrusion Detection)
	LCD (Line Crossing Detection)

 When connected to analog cameras, it is only allowed to enable one AI function on the same camera channel at a time; FD (Face Detection) and PD&VD (Human & Vehicles Detection) can be enabled on a maximum of 8 channels at a time.

5.4.1.1 Face Detection

This menu sets the	relevant	narameters	for face	detection
	relevant	parameters	IUI Iace	uelection.

Setup Chan	nel Record Alarm Al Network Device	System		• 04/11/2022 19:52:11
Setup	FD PD & VD PID LCD CC HM	CD QD LPD RSD Schedule		
Recognition				
	Channel	Setup	Switch	
Alarm				
Statistics	CH2			
	CH4			
	CH5			
	CH6			
			⊻	
	CH8			
	CH9			
	CH10			
	CH14			
	CH16			
	IP CH2			
	IP CH6			
				Apply

Setup: Click 🙆 to enter the setting page.

Switch: Enable or disable face detection.

Channel	CH1	~
Snap Mode	Interval Mode	
Snap Num		
Snap Frequency		s/pic(1-255
Apply Mode	Multi Angle	
Min Pixel	64	(32-1080)
Max Pixel	500	(320-1080
Face Enhance	Enable	
Face Attribute	Enable	
Detection Mode	Static Mode	
Rule Kind	Rect	
Detection Range	Full Screen	
Dynamic Marking	Disable	
	Save	

Channel: Channel selection.



Snap Mode: There are **Real Time** (push once when the face appears, push once again when disappearing), **Interval Mode** (custom time and interval of push), and **Optimal Mode** (automatically select and push the best image from all face images of the same person whose face images were captured during his/her duration of stay).

Snap Num: In Interval Mode, set the number of pictures pushed.

Snap Frequency: Set the frequency of face push in **Interval Mode**.

Apply Mode: Set the detection angle, with options of Frontal View/Multi Angle/Customize.

Roll Range: Set the range of face rotation at a custom angle.

Pitch Range: From a custom angle, set the range of face pitch.

Yaw Range: Set the range of face level flipping at a custom angle.

Picture Quality: Set the image quality, 1 is lowest, 100 is highest.

Frontal View/Muti Angle Default: Restore angle settings by default to frontal and multiple angle settings.

Min/Max Pixel: Set the minimum/maximum recognition pixel box. The face should be bigger than the set min pixel to be recognized and smaller than the set max pixel to be recognized.

Face Enhance: Face enhancement, open after catching the moving target face effect is enhanced, but will reduce the overall quality of the picture.

Detection Mode: The detection mode has both Static and Motion modes.

Motion Mode: Select the **Motion Mode** only if the target in the picture is the motor state. **Static Mode**: Both still targets and dynamic targets are checked. The exercise check mode mainly prevents false positives, such as face-like targets (such as posters and statues), which are still in the picture and do not trigger alarms.

Rule Kind: Full screen (Rect) and line rule.

Detection Range: Under rectangle rule, set up detect area is customize and default setting s Full Screen.

Rule Type: Under **Line Rule**, setting crossing rule. It needs to be lined in the right preview. The face is detected when from rule $A \rightarrow B$ or rule $B \rightarrow A$.

Dynamic Marking: Tracking box.



5.4.1.2 PD&VD (Pedestrian Detection &Vehicle Detection)

Setup CH	hannel	Record Alarm	Al Network Device	System				• 04/11/2022 19:53:12	\times
Setup		FD PD & VD	PID LCD CC HM		LPD RSD	Schedule			
Recognition									
			Channel		Setup		Switch		
Alarm									
Statistics			CH2						
			CH4				⊻		
			CH5						
			CH6						
		k							
			CH8						
			CH9						
			CH10						
			CH12						
			CH14		0				
			CH15						
			CH16						
			IP CH2						
			IP CH6		٢				
								Appl	у

This menu sets the relevant parameters for PD & VD detection.

Setup: Click 🙆 to enter the setting page.

Switch: Enable or disable PD & VD.



Channel: Channel selection.



Snap Mode: Snap picture mode, there are **Default Mode** (select the best quality picture push during the period from person & car to disappear). **Realtime Mode** (push once when appearing, push once again when disappearing), and **Interval Mode** (custom time and interval of push). **Snap Num:** In **Interval Mode**, set the number of pictures pushed.

Snap Frequency: Set the frequency of PD&VD push in **Interval Mode**.

Min pixel: Set the minimum identification pixel box, and people and vehicle should be greater than the set pixels to be identified.

Max pixel: Set the maximum recognition pixel box, the person and car should be less than the set pixels to be identified.

Sensitivity: Set sensitivity, 1 is minimum, 100 is maximum.

Detection Type: Pedestrian and Vehicle are available.

Detection Mode: Set up Motion Mode / Static Mode.

Detection Range: Set up detection area, customized or default full screen.

Dynamic Marking: Tracking box.

5.4.1.3 PID (Perimeter Intrusion Detection)

The Perimeter intrusion detection function can detect people, vehicles, or other objects moving in and out of a predetermined virtual area, and take certain specific measures when an alarm is triggered.

Setup	Channel	Record Alarr	m AI Network Device	System		• 04/11/2022	19:53:33 🗙
Setup		FD PD&V	D PID LCD CC HM	CD QD LPD RSD Schedule			
Recognition							
			Channel	Setup	Switch	Sensitivity 🗸	
Ø Alarm							
Statistics			CH2				
		*	CH4				
			CH5				
			CH6				
			CH8				
			CH9				
			CH10		✓		
			CH12				
			CH14	٢			
			CH15				
			CH16	٢			
			IP CH2	۲			
			IP CH6	۲			
							Apply

Switch: Enable or disable PID

Sensitive: The sensitivity level is 1 to 4. Higher sensitivity would be easier to trigger detection. **Area:** Click **Setup** 🚳 to draw the virtual area in the image.





- 1. Channel: Select the channel that you want to configure.
- 2. Detection Type: detection type

Person: Pedestrian alarm during perimeter intrusion detection.

Motor Vehicle: Alarm when the motor vehicle triggers the perimeter intrusion.

Non-motorized Vehicle: Alarm when non-motor vehicles trigger a perimeter intrusion.

- 3. Rule Number: Select one of the rule numbers. The PID functionality can set up to 4 areas.
- 4. Rule Switch: Enable or disable the rules
- 5. Rule Type: Select the rule type
- $A \rightarrow B$: DVR will only detect the action from side A to side B ;
- $B \rightarrow A$: DVR will only detect the action from side B to side A;
- $A \leftarrow \rightarrow B$: DVR will detect the action from either side B to side A or side A to side B;
- 6. Dynamic Marking: Tracking box
- 7. Mouse-Click 4 points in the camera image to draw a virtual rectangle.
- 8. Click Save to save the setting
- 9. If you want to change the position or size of the rectangle, Click on the red box in the rectangle, and the color of the rectangular border becomes red.

Press the left mouse button long to move the line, or drag the end of the segment to modify the length or position of the line.

10. If you want to delete a line from the camera picture, Click the red box in the line, and then Click the **"Remove"** button. Click **"Remove All"** will remove all of the rectangles.



Notice:

1) The periphery should not be too close to the edges / corners of the camera image, because it may not trigger detection when the target passes through the edges / corners.

2) The shape of the region cannot be too narrow / too small because detection may not be triggered when large targets cross the perimeter.

5.4.1.5 LCD (Line Crossing Detection)

The LCD function detects people, vehicles or other objects crossing a predetermined virtual line and takes certain measures when an alarm is triggered.

Setup Chann	nel Record Alarm Al Network Device	System		04/11/2022 19:53:	50 X
Setup	FD PD & VD PID LCD CC HM	CD QD LPD RSD Schedule			
Recognition					
	Channel	Setup	Switch 🗸	Sensitivity V	
♥ Alarm					
Statistics	CH2				
	СНЗ				
	CH4				
	CH5				
	CH6				
	CH7				
	CH8	۲			
	CH9	۲			
	CH10	۲			
	CH11	۲			
	CH12	۲			
		٢			
	CH14	0			
	CH15	0			
	CH16	0			
	IP CH2				
	IP CH6	0			
				Ар	oply

Switch: Enable or disable LCD.

Sensitive: The sensitivity level is 1 to 4. Higher sensitivity would be easier to trigger detection. **Area:** Click **Setup** (2) to draw the virtual area in the image.





- 1. Channel: Select the channel that you want to configure.
- 2. Detection Type: Detection type

Person: Trigger alarm when pedestrians cross the line.

Motor Vehicle: Trigger alarm when motor vehicle crosses the line.

Non-motorized Vehicle: Trigger alarm when non-motor vehicle crosses the line.

- 3. Rule Number: Select one of the rule numbers. The LCD function can set up to 4 areas.
- 4. Rule Switch: Enable or disable the rule switch.
- 5. Rule Type: Select the rule type

 $A \rightarrow B$: DVR will only detect the action from side A to side B;

 $B \rightarrow A$: DVR will only detect the action from side B to side A;

 $A \leftarrow \rightarrow B$: DVR will detect the action from either side B to side A or side A to side B;

- 6. Dynamic Marking: Tracking box
- 7. Mouse-Click 4 points in the camera image to draw a virtual rectangle.
- 8. Click Save to save the setting

9. If you want to change the position or size of the rectangle, click on the red box in the rectangle, and the color of the rectangular border becomes red.

Press the left mouse button long to move the line, or drag the end of the segment to modify the length or position of the line.

10. If you want to delete a line from the camera picture, Click the red box in the line, and then Click the **"Remove**" button. Click **"Remove All**" will remove all the rectangles.



Notice:

1) The periphery should not be too close to the edges / corners of the camera image, because it may not trigger detection when the target passes through the edges / corners.

2) The shape of the region cannot be too narrow / too small because detection may not be triggered when large targets cross the perimeter.

5.4.1.5 CC (Cross-Counting)

Setup	Channel	Record Alarm	Al Network Device	System			(b) 04/11/2022 19:54:17	×
Setup		FD PD & VD	PID LCD CC HM	CD QD LPD RSD Schedule				
Recognition								
Alarma			Channel	Setup	Switch	Sensitivity		
V Alarm		h t	IP CH2					
Statistics			IP CH6					
							Apply	1

The Cross-Counting function statistics people or moving objects.

Sensitive: Sensitivity levels are 1 to 4, and the default value is 2. Higher sensitivity would trigger detection more easily.

Switch: Enable or disable CC function.

Area: Click Setup 🙆 to set the virtual lines and rectangular boxes within the camera image.



Channel: Select the channel that you want to configure.

Type: Select rule type.

Person: Only count pedestrians.

Motion: Count any moving object that crossed the line.

Motor Vehicle: Only count motor vehicles that crossed the line.

Non-motorized Vehicle: Only count non-motor vehicles that crossed the line.

1. Alarm Num: Set alarm number. Alarm Num= (cross in number) – (cross out number), which is in Number of internal support exists.

- 2. Start Time: Set the counting start time.
- 3. End Time: Set the counting end time.

4. Reset Count: Let the count default to zero and recount.

5. **Rule Number :** Select the rule number. It is the number of virtual lines that you can draw the CC. Up to 1 line.

- 6. Rule Switch: Enable or disable rule types.
- 7. Rule Type: Rule type
 - a) A-> B, the DVR will count people or items from side A to side B.
 - b) B-> A, DVR will count people or items from side B to side A.
- 8. Dynamic Marking: Tracking box.

1) The periphery should not be too close to the edges / corners of the camera image, because it may not trigger detection when the target passes through the edges / corners.

2) The shape of the region cannot be too narrow / too small because detection may not be triggered when large targets cross the perimeter.



Notice:

1) The lines should not be too close to the edge of the camera image to avoid alarm when the target passes through the camera.

2) The line should not be set too short to fail to trigger the alarm when the target crosses the alarm.

Please view <u>5.4.4.3 CC Statistics</u> to search and check statistics result.

5.4.1.6 Heat Map

Show the diagram of the popular page area and the geographical area where visitors are in a special highlight form, and the heat map also tells you which areas of the picture attract most visitors.



Switch: Enable or disable heat map function.

Area: Click Setup 🙆 to draw the virtual area in the image.





Channel: Select the channel that you want to configure.

Rule Number: Select the rule number. It is the number of heat map detection regions. The heat map function can only set up 1 area.

Rule Switch: Enable or disable rule switch.

Remove: Click detection area box and Click Remove to remove the detection box.

Remove All: Click Remove All to remove the detection box directly.

5.4.1.7 CD (Crowd Density Detection)

CD is used to detect population aggregation to maintain controlled order in specific areas.

🞯 Setup	Channel	Record Alarm	AI Network Device	System					(b) 04		19:55:05
Setup		FD PD & VD	PID LCD CC HM	CD QD	LPD RSD	Schedule					
Recognition			Ob see al								
Alarm			IP CH2		G		Switch		sensitivity	~	
Statistics			IP CH6								
		×									
											Apply

Switch: Enable or disable CD function.

Sensitive: The sensitivity level is 1 to 4. Higher sensitivity would be easier to trigger detection.

Area: Click Setup 🙆 to draw the virtual area in the image.


Min pixel: Set the minimum recognition pixel box, the person should be greater than the set pixel to be identified.

MAX pixel: Set the maximum recognition pixel box, people need less than the set pixels to be identified.

Max Detection: The DVR alarms if the number of people in the detection area exceeds the maximum number of people tested.

Dynamic Marking: Tracking box.

- 1. Set Min pixel and Max pixel
- 2. Set Max Detection
- 3. Enable Rule switch
- 4. Set **Detection Range** default to Full screen or costumed.
- 5. If you select a custom detection range, you need to click the eight points in the camera picture to draw the virtual area.
- 6. Click "Save" to save the settings
- 7. If you want to change the location or sharpness of the area, click the red box in the area, and the area boundaries will change to red. Click and hold down the left mouse button to move the area, or drag the corner point to resize the area.
- 8. If you want to remove one of the areas from the camera picture, click the red box in the area, and then Click **Remove** button. Click **"Remove All**" to remove all areas.

5.4.1.8 QD (Queue Length Detection)

Queue Length Detection is used to detect the status of the cohort, including its length and stall time.

Setup	Channel	Record Alarm	AI Network Device	System					• 04/11/202	2 19:55:05	×
Setup		FD PD & VD	PID LCD CC HM	CD QD	LPD RSD	Schedule					
Recognition											
Alorm			Channel		Setup		Switch	Sensi	tivity 🗸		
♥ Alarm			IP CH2								
Statistics			IP CH6								
		*									
										Apply	

Switch: Enable or disable the QD.

Sensitive: The sensitivity level is 1 to 4. Higher sensitivity would be easier to trigger detection.

Area: Click Setup⁽²⁾ to draw the virtual area in the image.



Min Pixel: Set the minimum recognition pixel box, the person should be greater than the set pixel to be identified.

Max Pixel: Set the maximum recognition pixel box, people need less than the set pixels to be identified.

Max Detection: The DVR alarms if the number of people queuing in the detection area exceeds the maximum number of people tested.

Max Pro Time: If the queue stagnation exceeds the given processing time, DVR sends alarm. Dynamic Marking: Tracking box

- 1. Set Min pixel and Max pixel
- 2. Set Max Detection
- 3. Enable Rule switch
- 4. Set **Detection Range** default to Full screen or costumed.
- 5. If you select a custom detection range, you need to Click the eight points in the camera picture to draw the virtual area.
- 6. Set Max Pro time
- 7. Click "**Save**" to save the settings
- 8. If you want to change the location or sharpness of the area, click the red box in the area, and the area boundaries will change to red. Click and hold down the left mouse button to move the area, or drag the corner point to resize the area.
- 9. If you want to remove one of the areas from the camera picture, click the red box in the area, and then Click **Remove** button. Click **"Remove All**" to remove all areas.

5.4.1.9 LPD (License Plate Detection)

License Plate Detection, detect the pass vehicles which is unfamiliar vehicle or the vehicle that has been entered into the database. It can be also back up the unfamiliar vehicle license plate information to the database, or retrieve the license plate detection and alarm information on playback. License plate detection currently only supports two regions license-Europe and America.

Setup	Channel	Record Alarm	AI Network Device	e System		O 04/11/2022 19:55:52
Setup		FD PD & VD	PID LCD CC HN	CD QD LPD RSD Schedule		
Recognition						
Alarm Alarm			Channel	Setup	Switch 🗸	
			IP CH6	۲	⊻	
© Statistics						
			k			
						Apply

In this menu, you can set the relevant parameters of the license plate detection.

Setup: Click 🙆 to enter setup page.

Switch: Enable or disable LPD function.

USAUision®



Channel: Channel selection

Snap Mode: There are "Default Mode" (push only one captured image with the best quality),

"Realtime Mode" (push the first captured image and push again the last captured image from the same vehicle) and "Interval Mode" (customized the capture time and interval).

Min pixel: Minimum recognition pixel box, the license plate must be greater than the set minimum pixel to be recognized.

Max pixel: Maximum recognition pixel box, the license plate should be less than the set maximum pixel to be recognized.

Sensitivity: Sensitivity, the larger the value, the easier to detect the target.

Detection Type: Detect type, there are two kinds of license plate:

European license plate: European license plate

American license plate: American license plate.

Detection Mode: License plate detection mode, there are two modes.

Static Mode: Check the static license plate in the picture

Motion Mode: Filter out the stationary vehicles and their license plates to detect only the license plates in the dynamic process.

Detection Range: There are two areas for license plate detection as follows:

Full Screen: Full-screen detection,

Customize: Custom detection area.

Dynamic Marking: Tracking box.

5.4.1.10 RSD (Rare Sound Detection)



Setup: Click 🙆 to enter setup page.

Switch: Enable or disable RSD function.



Channel: Channel selection **Sensitivity:** Sensitivity, 1 is the minimum,100 in the maximum.



Detection Type: Choose the detection type by clicking ☑ to enable detection for **Baby Crying Sound**, **Dog Barking**, or **Gunshot**.

5.4.1.6 AI Schedule



When IPC connects to DVR with media ports, the schedule is as below:

Set the schedule for each AI feature recording.



When the IPC connects to the DVR with the WEB port, the schedule is as below:

Set the schedule for each AI function switch. The gray area is unavailable. **Enable:** Enable schedule.

Functions are mutually exclusive: Function mutually exclusive to the selected function.



5.4.2 Recognition

Note:

- 1. This function is only applicable when the DVR is connected to the following UA-IP cameras with specified firmware versions or any analog cameras:
 - UA-B580F3 (V1.01 or later)
 - UA-R560F2 (V1.01 or later)
 - UA-R580F2 (V1.01 or later)
 - UA-R800F2 (V1.01 or later)
- 2. To see AI applications for different scenarios using Face Recognition results, see *Chapter 6 AI Scenario.*
- 3. To search for face recognition results, see 7.1.9 Al.

5.4.2.1 Model Configuration

Select the algorithm model in this menu. There are local and IPC algorithm models.

Setup Channel	Record Alarm Al Network	Device System		○ 04/1	1/2022 20:00:26
Setup	Model Configuration Database	Management License Plate Management			
Recognition	V Auto select face recognition mo	del			
Ø Alarm	Device/Channel	Face Recognition Model	Face Detection Model	Enable Face Recognition	
Statistics	Local	V0.5.0.0.2-release		Z	
	IP CH2		V0.4.1.6.1-release		
	IP CH6	V0.4.0.0.2-release	V0.4.1.6.1-release		
					Apply

5.4.2.2 Database Management

This menu sets up a database for face recognition.



<u>^</u>	Alexandra and an and a second	
Setup Channel	Record Alarm A Network Device	System G 03/30/2022 19:33:24
Setup	Model Configuration Database Management	License Plate Management
Recognition	Import Database Backup Database	
👳 Alarm	Group Name	+/- Edit Enable 🗸
Ø Statistics	1 Allow List	e 🔽
	2 Block List	Ľ 🔽
	3 🗌 Stranger	
	4 droup 1	
		h
		Apply

Import Database: Import the exported file to the device.

Backup Database: Export all the groups into the U disk.

Update facial features: Update face features, switching the face features model or imported from external files face images or face database, after AI IPC recognition detected the face database face features and the current check face features model is inconsistent, will pop up update face features. Click **Update facial features** and the box will be shown as the following figure below.

Setup ci	hannel	Record	Alarm	Al Networ	k Device	System						05/12/202		×
Setup		Model	Configuration	Database	Management									
Recognition			rt Database	Backup Data	base	Update facial features								
Ø Alarm				Group Name						Edit	Enable			
♦ Statistics		1 1 2 1 3 1 4 1 5 1	Allow List Block List Stranger Group 1/4 Group 0				Notico			R R R R	<u> </u>			
		6	Group 6			Updating fac	ces feature Cancel	(29 / 5001)	Ð		M			
													Apply	

Click **Cancel** and a prompt will pop up to continue or suspend the update, the remaining not updated next Click to update.



Click 🕑 / 💼 : Add a new face group or delete an existing face group. (The default first three

face groups cannot be deleted)

Enable: Enable or disable face recognition group.

Edit: Click Edit to enter the editing face group interface.



Import: Click Local Storage Device to enter local face interface.

Setup	Please select face image	Â×	/2021 17:25:23	Х
O Setup				
Recognition	From 04/15/2021 💼 00:00:00 To 04/15/2021 💼 23:59:59 📢 1 Day V 🕨 Channels Search			
Alarm	Sol	ect All		
• Statistics				
	Similari	y 70 %		
	04/15/2011 17/20.42 04/15/2021 17/20.43 04/15/2021 17/20.44 04/15/2021 17/20.57 04/15/2021 17/21.11 04/15/2021 17/21.43 04/15/2021 17/21.51			
	and the second			
	[OH] [OH] [OH] [OH] [OH] [OH]			
	k.			
	Select All IC < 1 /1 > >1		Apply	

Select date, duration, and channels. Click **Search** to search all of faces saved to the devices during that time. If you select face similarity and then click **Search**, it will be searched out faces based on the similarity percentage. Check the face result images and click **Delete** to remove the images from database. Select face and click **OK** to enter the import face page.



Setup		Import			Ŷ	/2021 14:24:40 🗙
Setup						
Recognition	1. F106 💟 2. F107 💟		Detail Information	on.		
Alarm			Name	F106		
 Statistics 			Gender	Male		
Statistics			Age	0		
			Nationality			
			Native Place			
			Phone Number			
			Email			
			ID Code			
			Occupation			
			Occupation			
			Residence			
	k.					
			Remark			
	Select All I /1 >>I			Import	Exit	Apply

Edit face information in the right box. After editing, click **Import** to finish. Click **Exit** to exit the interface.

Click **External Storage Device** to enter external memory storage, and select the face image you want to import. Follow the same steps as importing to local storage device.

		Please select a director	у				×		
Driver List:	0			•== ×	ŧ	1	Î		
🖳 USB1-1		Name		Last Mod	ify				
		· ·							
		System Volume Information		04/07/2021 0	3:59:02				
		onvif20.06	10/13/2020 10	0:01:48					
		说明书		04/07/2021 0	9:03:20				
		■ N5208EN_V200304V200922V201218V210221V2	70.837MB	03/02/2021 1	3:15:14				
		System Volume Information.exe	119.000KB	01/09/2012 23	3:03:18				
		amap001.bmp	1.760MB	04/09/2021 13:07:04					
		onvif20.06.exe	119.000KB	01/09/2012 23	3:03:18				
		■ 说明书.exe	119.000KB	01/09/2012 2	3:03:18				
		Location: usb1-1							
Remain:/Total:	CP	Selected Directory: usb1-1				4			
Format	GD	Refresh finished !		ок		ancel			

Export: Export the face picture to the external memory storage. Click to the face group picture to Export all the face pictures of the face group; if you click to the face group face picture to click **Export** to export the selected face picture.

Download import Template: Download and import the template, you can export a template to an external memory, this template can contain a form and use instructions, you can fill in the

information of the face picture information in this form, import this form can modify the information of multiple name face pictures, convenient to modify the face picture information.



Right-Click to select the face picture, select **Edit** to enter the face picture editing interface, and Click **Additional Face image** to import the face picture under different circumstances of the face.

5.4.2.3 License Plate Management

License Plate Detection, detect the passing vehicles which is unfamiliar vehicle or the vehicle that has been entered into the database. It can be also back up the unfamiliar vehicle license plate information to the database, or retrieve the license plate detection and alarm information on playback. License plate detection currently only supports two regions license-Europe and America.

This menu provides a license plate information database for comparing the detected license plate information.

Setup Channel	Record Alarm Al Network Device System	() 03/26/2022 15:36:21	×
Setup	Model Configuration Database Management License Plate Management		
Recognition	Import Database Backup Database		
🕀 Alarm	Group Name +/- Edit Enable ✓		
Statistics	1 📕 Allow List		
	2 🔲 Block List 🕑 🔽		
	3 🗌 Unkown		
		Apply	y

Import Database: Import the exported packet data into the device.

Backup Database: Export all the groups to a U disk.

Group Name: The name of the database group, allow list, black list, stranger group, you can add up to 61 custom groups, a total of 64 groups, one group can accommodate up to 5000 license plate information, the whole database can accommodate 10000 license plate information.

Click () (The Click () Click (

default first three license plate groups can't be deleted) Edit: Click Edit to enter the edit license plate group interface. Enable: Enable or disable LPD.

Setup	Channel Record Alarm Al Network Device System	○ 02/22/2022 12:55:06 X
Setup	Allow List	×
Recognition	Search Input license plate here	
🗢 Alarm	Edit License Plate Color Car Brand Car Type Owner Cender ID Code Phone Number Occupation Residence Remark	
Statistics	Image: Second and any image: Second and a second rest in the second resecond rest in the second rest in the second rest in	
	Import X	
	License Plate	
	Color Blue 🗸	
	Car Brand Car Type	
	Owner Gender Male 🗸	
	ID Code Occupation	
	Phone Number	
	Residence	
	Remark	
	Alam Channel ③	
	IC C 1 /1 >>> Import Import From CSV Import From Local Move To Delete	
		Apply

Search: Filtering license according to keywords.

Total: Total number of license plate data in this group.

Click I to modify the corresponding license plate data information. There are three ways to add

license plate information: **Import** (manually added), **Import From CSV** (CVS table import), and **Import From Local** (local import).

Click **Import** button to manually add a single license plate information.

Click Export to export the entire group information to the external U disk.

Alarm Channel: Set the channel to alarm after the license plate is detected and successfully aligned.

Move to...: Check the re-check box of the license plate information and click it again to transfer the license plate information to another group.

Delete: Check the re-check box of the license plate information and then Click this button to delete the license plate information.

Click **Import From CSV** button to import one or more CVS pieces of data. The format of the CVS table is shown below:

	A	В	U	D	E	h	G	H	1		K	L	 3	0	P	ų	K	S	T	U	Ŷ	v.	X.	Y	L	
1	License	EColor	Car Bran	Car Type (Dwner	Sex	Id Code F	hone	Occupatio	Residence	Reaark															
2	导C-3R52	tblue	BJHJH	Volkswage	ľHJ	male	2222	2212211	. 22222	46461	FFQFQFQ															
3	A-HP-233	white	HJH	NOMAL U	IYUU	malo	101	11111	LLLL	KKLKLK	FQFQVQ															
- 4	MCY164J	black	BBBB	NOMAL C	2000	female	102	2145435	5 DAVQRQR	FFEQF	QTWF															
5	FLE-360	black	R23R2AD	KDGS Q	QRQD	female	103	432525	5 SFEFS	GGAGA	CRITTE															
6	MA 5465	Cvhite	TWWAGA	3FSWF F	FWFFNF	female	104	532535	5 FRFFA	FAGA	FWFVA															
7	GC 9671	Cvhite	RGWTVZGB	AWEGWIG H	TAZERT	female	105 :	2.35E+09	WAWAGEG	AGHAG	AGET															
8	LH66 BUE	white	CASRJHDF	JWTASDSF /	ATYDF ZDYN	inalo	106	3.47E+08	Ftqta	agshsrh	agregaoge	a														
9	R21 ROY	white	HEH	T4T34 #	TATEWA	male	107 5	SJYTEFC	HRJFFIHD	STUUROFYP	ETORE															
10	DE14 LVF	white	ETUURES	4YAGRG #	AERTWYDFE	male	108	45634	WEGARGA	AFSGS	KUKTT															
11	1218 LGJ	white	BSHRTHST	YEYGD C	SY5DGDXG	male	109 4	1073T387	ESGEG	SDGSHHRTE	FTRYRTHFX															
12	¥12 PRA	yellow	GREGAGAG	AGEAGE C	CA4TGZVZ	female	110	4546363	FGSHA	GSG	NGAA															
13	¥13 PRA	blue	HJHJH	WEGWIG (SY5DCDXC	male	112	2212223	3 22222	46473	FFQFQFQ															
14	W14 PRA	blue	HJHJH	WEGWIG C	SYSDCDXC	male	113	2212224	22222	46474	FQFQVQ															
15	¥15 PRA	blue	HJHJH	WEGWIG C	SY5DGDXG	male	114	2212225	5 22222	46475	QTWF															
16	W16 PRA	blue	HJHJH	WEGWIG C	SY5DGDX0	nale	115	2212226	22222	46476	GWITTE															
17	¥17 PRA	blue	HJHJH	WEGWIG C	SY5DCDXC	male	116	2212227	22222	46477	FWFWA															
18	¥18 PRA	blue	HJHJH	WEGWIG C	SY5DCDXC	nale	117	2212228	3 22222	46478	AGET															
19	V19 PRA	blue	HJHJH	WEGWIG C	SYSDODXO	male	118	2212229	22222	46479	agregaoge	a														
20	W20 PRA	blue	HJHJH	WEGWIG C	SY5DGDXG	male	119	2212230	22222	46480	BTOKH															
21	W21 PRA	blue	BJHJH	WEGWIG C	SY5DGDX0	nale	120	2212231	22222	46481	KUKTT															
22	¥22 PRA	blue	HJHJH	WEGWIG C	SY5DCDXC	male	121	2212232	22222	46482	TRYRTHFX															
23	¥23 PRA	blue	HIHIH	WEGWIG C	SY5DCDXC	nale	122	2212233	3 22222	46483	WGAA															
24	V24 PRA	blue	HJHJH	WEGWIG C	SYSDODXO	nale	123	2212234	22222	46484	FFQFQFQ															
25	W25 PRA	blue	HJHJH	WEGWIG C	SY5DGDXG	male	124	2212235	5 22222	46485	FQFQVQ															
26	W26 PRA	blue	BJHJH	WEGWIG (SY5DGDX0	male	125	2212236	22222	46486	QTWF															
27	₩27 PRA	blue	HJHJH	Volkswage	SY5DCDXC	inale	126	2212237	22222	46487	GWTTWE															
28	¥28 PRA	blue	HJHJH	Volkswage	SY5DCDXC	nale	127	2212238	3 22222	46488	FRFVA															
29	¥29 PRA	blue	HJHJH	Volkswage	SY5DCDX0	imale	128	2212239	22222	46489	AGET															
30	WS0 PRA	blue	HJHJH	VolkswageC	SY5DGDX6	male	129	2212240	22222	46490	agregaege	a														
31	W31 PRA	blue	BJHJH	Volkswage	SY5DGDX0	male	130	2212241	22222	46491	BTORH															
32	₩32 PRA	blue	HJHJH	Volkswage	SYSDCDXC	inalo	131	2212242	22222	46492	KUKTT															
33	WSS PRA	blue	HIHIH	Volkswage	SY5DCDXC	nale	132	2212243	3 22222	46493	TRYRTHFX															
34	W34 PRA	blue	HJHJH	Volkswage	SY5DCDXC	nale	133	2212244	22222	46494	NGAA															
35	WS5 PRA	blue	HJHJH	VolkswageC	SY5DGDX6	male	134	2212245	5 22222	46495	FFQFQFQ															
36	¥36 PRA	blue	BJHJH	Volkswage	SY5DCDXC	male	135	2212246	22222	46496	FOFOVO															
37	W37 PRA	blue	HJHJH	Volkswage	SY5DCDXC	nalo	136	2212247	22222	46497	QTWF															
38	WSB PRA	blue	HJHJH	Volkswage	SYSDODXC	nale	137	2212248	3 22222	46498	GRITTE															
39	W39 PRA	blue	HJHJH	Volkswage	SY5DCDXC	male	138	2212249	22222	46499	FWFVA															
40	W40 PRA	blue	HJHJH	Volkswage	SY5DGDXG	male	139	2212250	22222	46500	AGET															10
41	¥41 PRA	blue	BJHJH	Volkswage	SY5DCDXC	male	140	2212251	22222	46501	agregaege	a														14
40	WAD DDA	1.1		11.33	OVER-TWO	1-		0010080	00000	14800	BTO PR															11
		车牌库号/	\5000	(+)											4											

Setup				▶ 02/23/2022 10:52:18 ×
Setup		Allow List		×
A Recognition		Please select a .csv file	×	
Alarm	Edit License Piz			
	KG42875		Last Modify	
Statistics	KT88888			
			02/12/2022 16:58:44	
		Al Map	11/26/2021 14:49:26	
		PC升级包		
		IPC参数	12/03/2021 06:34:46	
		System Volume Information	11/26/2021 14:45:38	
		auditlog	12/03/2021 06:15:10	
		data	12/01/2021 08:48:54	
		ing	12/03/2021 08:32:40	
		nvr升级包		
		shuju	02/14/2022 03:06:50	
		video		
		— 目志	11/29/2021 02:27:14	
		■ 车胰库导入5000.csv 787.331KB	02/23/2022 10:47:10	
	Ramain./Totat 24.999/G928.886/G9 Format	Location: usb1-1 Selected Fle (东)终境导入5000 cav Refresh finished 1 Import From CSV Import From Local Mover To	OK Cancel Export	
				Apply

Click **Import From CSV** button to pop up the above interface, select the CSV license plate file to be imported, and Click the OK button. Popup the following below:

ε	Setup					Al Net	wark Devi									C 02/23/2022 1	0:53:21 🗙	
	Setup									lm	port					×		
										ID Code	Phone Number	Occupation F	R Ope	aration finis	hed ! 4995 succeeded and 5 failed.			
			۲	W4982 PRA	Blue	нјнјн	Volkswagen	GSY5DGDXGH	Male	5081	2217192	22222	1.00	inea Dista				
				W4983 PRA	Blue		Volkswagen	GSY5DGDXGH	Male	5082			-	share				
	Statistics	~		W4984 PRA	Blue	нјнјн	Volkswagen	GSY5DGDXGH	Male	5083		22222	Cox	or	Blue			
				W4985 PRA	Blue		Volkswagen	GSY5DGDXGH	Male				Car	Brand	нјнјн			
				W4986 PRA	Blue		Volkswagen	GSY5DGDXGH	Male	5085		22222		Туре	Volkswagen			
				W4987 PRA	Blue		Volkswagen	GSY5DGDXGH	Male	5086	2217197	22222	Own	ner				
		~		W4988 PRA	Blue		Volkswagen			No	otice		×	der:	Male			
				W4989 PRA	Blue		Volkswagen							na Numba	0010011			
				W4990 PRA	Blue		Volkswagen							ode	2212211			
				W4991 PRA	Blue		Volkswagen											
				W4992 PRA	Blue	HJHJH	Volkswagen	The number of	plates in	the curre	nt group has react	ned the upper lin	nitl	pation				
				W4993 PRA	Blue		Volkswagen							22				
				W4994 PRA	Blue	HJHJH	Volkswagen							dence				
				W4995 PRA	Blue		Volkswagen				ок							
		Z		W4996 PRA	Blue		Volkswagen											
				W4997 PRA	Blue		Volkswagen	GSY5DGDXGH	Male	5096		22222						
				W4998 PRA	Blue		Volkswagen	GSY5DGDXGH	Male		2217208		FE	OFOFO				
				W4999 PRA	Blue		Volkswagen		Male									
				W5000 PRA	Blue		Volkswagen	GSY5DGDXGH	Male	5099		22222						
				W5001 PRA	Blue		Volkswagen	GSY5DGDXGH	Male									
							lodity											

Click **Import/Modify** button to add a batch, and you can also modify one license plate information. When more than 5000 data are added, the message box with the content of "Add data has reached the upper limit of the group" will pop up.

Setup
Channel Record Atam A Network Device System

Setup

Recognition

Perm 0222002

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Click Import From Local button to import the license plate information locally to the database.

Select date, duration, and channels then click **Search** to search license plates saved by all devices during this time.

Channels: License plate detection events triggered by each channel.

Select All: Select all the license plate information.

Setup	Channel Record Alarm Al Network Device System	() 02/23/2022 10:	40:39 X
0 Setup	Import	×	
Recognition	State License Plate Color Car Brand Car Type Owner Gender ID Code Phone Number Occupation Residence	Operation finished I 1 succeeded and 0 failed.	
Alarm Statistics	C 1 Blue Male C 7 Blue Male C 7 Blue Male	Loonse Plate 22 Color Blue 2 Car Brand 2 Car Type 2 Owner 2 O	
			Apply

Click one of data to edit the license plate information and Click **Import/Modify** button to modify, if the modification is successful. Will become .

5.4.3 Al Alarm

5.4.3.1 Face Recognition

When faces added in the group were detected, it'll be a series of alarm settings.

Setup	Channel	Record	l Ala	arm AI Network Device Syst	em					(04/11/2022 20:01:09	×
Setup		FR		LPR PD & VD PID LCD CC	CD QD LPD	RSD						
Recognition				Group Name	Enable Alarm 🗸	Policy	Similarity		Alarm	Alarm Schedule	Alarm Channel	
Alarm				Allow List		Allow	70		۲	۲	0	
Otatietice Otatietice				Block List	V	Deny						
♦ Statistics				Stranger	_	Stranger	70	%	۲	۲	۲	
				×								
											Default App	dy

Enable alarm: Enable or disable face detection Policy: Set up face group alarm countermeasures Similarity: Similarity settings

Alarm: Click ⁽²⁾to enter alarm setting interface.

Setup													
		FIC /	AD LP	R PD&V	D PID LC	D C	C CD QD LF	PD RSD					
Percention							Alar	m [Allow List]				×	
Recognition	Channel	Buzzer		Alarm Out	Latch Time		Face Canture	Save Background	Show Thumboail	Send Email	ETP Picture Unload	Picture	
	CH1	Disable			40 -								
Statistics	CH2	Disable			10 5			×	×				
	CUI2	Disable	~		10 5	*	<u> </u>	×	×				
	CH3	Disable	~	e	10 s	~	<u> </u>	×	×		<u> </u>		
	CH4	Disable		0	10 s		<u>×</u>	×	× I		<u> </u>		
	CH5	Disable		۲	10 s		<u>×</u>	×	×		<u>~</u>		
	CH6	Disable		0	10 s		<u>~</u>	×	×		<u>~</u>		
	CH7	Disable		0	10 s		×	✓	✓				
	CH8	Disable			10 s		<u>×</u>	× 🔽	<u>×</u>		×		
	CH9	Disable			10 s		>	×	>		>		
	CH10	Disable			10 s		>	>	V		M		
	CH11	Disable			10 s		×	>	>		~		
	CH12	Disable			10 s		<u>×</u>	>	>		×		
	CH13	Disable			10 s		>	✓	✓		V		
	CH14	Disable			10 s		×	>	>		~		
	CH15	Disable			10 s		×	>	>		×		
	CH16	Disable		0	10 s		<u>×</u>	>	×		×		
	IP CH1	Disable		۲	10 s		~	~	>				
	IP CH2	Disable						~	V				
											Default Sa		

Setup	Channel	Record Ala	rm	AI Network D	evice System					• 04/11/2022	20:01:33	\times
Setup		FR AD	LPR	PD & VD PID	LCD CC CD Q	D LPD RSD						
						Alarm [Allow Lis	t]			×		
Recognition												
• Alarm	· Alarm Ou	t Latch Time		Face Capture 🗸	Save Background 🤟	Show Thumbnail 🗸	Send Email 🗸	FTP Picture Upload 🗸	Picture to Cloud 🗸	Voice Prompts		
Statistics		10 s		>	×	>		×				
		10 s		>	✓	>		×				
		10 s		>	>	>		×				
		10 s		>	>	>		×				
		10 s		>	>	>		✓				
		10 s		>	>	V		✓				
		10 s		>	>	>		✓				
		10 s		>	×	>		>				
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		10 s		>	>	>		×				
		10 s		>	>	>		✓				
		10 s		>	>	V		✓				
		10 s		>	>	V		✓				
		10 s		V	>	V		✓				
				V	V	V		V				
							×		Default			
										Default	Apply	

Alarm Out: Optional function. If your DVR supports connecting to an external alert device, you can set up an external alert device.

Latch Time: Set up the external alarm time when the face is detected.

Save Face: The face is saved when the face is detected.

Save Background: When FD is detected, the entire preview image is saved.

Show Thumbnail: When FD is detected, a thumbnail prompt pops up on the preview.

Send Email: When FD is detected, the picture is sent to the set mailbox.

FTP Picture Upload: To upload alarm images to FTP server when an alarm is triggered. To enable FTP, please view <u>5.6.3 FTP</u>.

FTP Video Upload: To upload alarm video to FTP server when an alarm is triggered. To enable FTP, please view <u>5.6.3 FTP</u>.

Picture to Cloud: To upload alarm images to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.6.2 Cloud</u>.

Video to Cloud: To upload alarm video to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.6.2 Cloud</u>.

Alarm Schedule: Click 🤨 to enter schedule setting interface.



Check the time period. Click **Copy to** copy the current setting to other channels. **Voice Prompts:** When the alarm is triggered, the audio file is imported by the voice prompt (the IPC needs to support the voice prompt function). Please view <u>5.3.9 Voice Prompts</u>.

5.4.3.2 AD (Attribute Detection)

Setup FR AD LPR PD & VD PID LCD CC CD LPD Rso Recognition Channel Alarm Type Buzzer Alarm Out Latch Time Record Post Recording Show Message So	
Recognition Channel Alarm Type Buzzer Alarm Out Latch Time Record Post Recording Show Message So 	
♦ Alarm IP CH6 Close ∨ OFF ∨ (2) 10 s ∨ (2) ON 30 s ∨	nd Email 🗸 🛛 Full
STATISTICS	
Copy Defaul	Apply
Copy Defaul	Apply
Copy Default Setup Channel Record Alarm Al Network Device System Copy 04/11/202 Copy 04/11/202 Copy 04/11/202	Apply
Copy Default Setup Channel Record Alarm Al Network Device System Cold/11/201 Setup FR AD LPR PD & VD PID LCD CC CD QD LPR PD & VD PID LCD CC CD QD LPR PD & VD PID LCD CC CD QD LPR PD & VD PID LCD CC CD QD LPR PD & VD PID LCD CC CD QD LPR PD & VD PID LCD CC CD QD LPR PD & VD PID LCD CC CD QD LPR PD & VD PID LCD CC CD QD LPR PD & VD PID LD CD CD CD LPR PD & VD PID LD CD CD CD CD LPR PD & VD PID LD CD CD CD CD LPR PD & VD PID LD CD CD CD CD LD CD	Apply
Copy Default Setup Channel Record Alarm Al Network Device System Old/11/201 Setup FR AD LPR PD & VD PID LCD CC CD OL Default Record FR AD LPR PD & VD PID LCD CC CD OL Default Record FR AD LPR PD & VD PID LCD CC CD DL POst Recording Show Message Send Email Full Screen	Apply 2 20:02:14 X Voice Prompts
Copy Default Setup Channel Record Alarm Al Network Device System © 04/11/201 Setup FR AD LPR PD & VD PID LCD CC CD OD LPD RssD Record Buzzer Narm Out Latch Time Record Post Recording Show Message Send Email Full Screen Alarm OFF © 10 s © ON 30 s Image: Construction	Apply 2 20:02:14 X Voice Prompts
Copy Detail Image: Setup Channel Record Alarn Alarn Ob Copy Detail Image: Setup FR AD LRR PD & VD PD LCD CD <	Apply 2 20:02:14 X Voice Prompts ©

Configure the face attribute alarm function here.

Channel: Channel name

Alarm Detection: Set up face attribute detection type, there are three kinds of detection type, including Close, No Mask, and Wear Mask.

Buzzer: DVR internal buzzer. You can set the buzzer duration time (in seconds) for triggering a face attributes alarm.

Alarm out: Check the external alarm device when the pedestrian and vehicle alarm is triggered.

Latch Time: Set the duration of triggering the external alert devices (10s, 20s, 40s, and 60s). Record: Click () icon, select the channel to record when triggering pedestrian and vehicle alarms.



Post Recording: Set the duration of continuous DVR recording after the event occurs. The suggested recording time is 30 seconds, but can be set to up to 5 minutes.

Show Message: Select this box to show **S** icon when face attendance alarms are detected.

Send Email: DVR send an automatic email when face attendance alarms are detected. **FTP Picture Upload**: To upload alarm images to FTP server when an alarm is triggered. To enable FTP, please view <u>5.6.3 FTP</u>.

FTP Video Upload: To upload alarm video to FTP server when an alarm is triggered. To enable FTP, please view 5.6.3 FTP.

Picture to Cloud: To upload alarm images to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.6.2 Cloud</u>.

Video to Cloud: To upload alarm video to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.6.2 Cloud</u>.

Full Screen: If this feature is enabled and face attendance are detected in the channel, you will see the channel in full-screen mode.

Voice Prompts: Voice prompt, when the alarm is triggered, the audio file is imported by the voice prompt (the IPC needs to support the voice prompt function), Please view in 5.3.9 Voice Prompts

5.4.3.3 LPR (License Plate Recognition)

Setup Channel	Record Alarm Al Network Device							02/23/2		\times
Setup	FR AD LPR PD&VD PID LCD				/					
Recognition				Faul	olerant	Alarm	Alarm Schedule	Alarm Channel		
e Alarm	1 🔲 Allow List	~	Allow	≤ 1	character(s)	0	۲	۲		
• younn	2 Block List	V			character(s)			Θ		
O Statistics	3 🗌 Unkown	S	Unkown		character(s)			۲		
	4 📕 Group 1	S	Allow 🗸		character(s)			۲		
	5 📕 Group 2	×	Allow 🗸		character(s)	۲	۲	۲		
	6 📕 Group 3	V	Allow 🗸		character(s)	Θ		0		
								Defau	It Apply	

When license plate added in the group were detected, it'll be a series of alarm settings.

Group Name: Group name.

Enable alarm: Enable or disable license plate detection.

Policy: Set up license plate group alarm countermeasures.

Fault-tolerant: Fault tolerance rate, for example, when set to three characters, the white list in the group is B594SB, and triggers alarms when a license B734KB enters the monitoring area. That is, the detection license plate number has 0~3 characters and the database license plate number is different will alarm.

Alarm Channel: Set the alarm channel after the license plate is detected and successfully aligned.

Alarm: Click 🧐 to enter the settings interface.

Setup FR AD LER PD & LO C C CO D LOD LED C C CO D LED Setup Recognion Channe Buzzer v Alarm Out Latch Time v Ucense Plate Capute v Save Background v Show Thumbnal v Send Email v FTP Plotter Upload v P CH1 Disable v @ 10 % v V Q	• 04/11/202				ystem	Device S	twork	AI Net	Record Alarm	Channel	Setup
Alam [Allow List) X Alam [Allow List) Statistics IP CH1 Bizzer v Alam Ot Laton Time v Locase Plate Capute v Save Background v Show Thumbnall v SendEmail v FTP Picture Upload v Statistics IP CH1 Desable v © 10 s V Q)	C CD QD LPD RSD	LCD C	/D PID	PR PD & V	FR AD L		tup
Alarm Channel Buzzer Alarm Out Latch Time Lacense Plate Capute Save Background Show Thumbmal Send Emal FTP Picture Upload I Statistics IP CH1 Disable IO 10 s IC	×			w List]	Alarm [Allo						operation
Alam IP CH1 Disable Statistics IP CH1 Disable Statistics IP CH2 Disable Statistics IP CH2 Disable Statistics IP CH2 Disable Statistics IP CH2 Disable Statistics IP CH3 Disable Statistics IP CH10 Disable Statistics IP CH11 Disable Statistics	FTP Picture Upload	Send Email 🗸	Show Thumbnail 🗸	Save Background	License Plate Caputre	Time 🗸	Latch	Alarm Out	Buzzer 🗸	Channel	cognition
Statistics IP CH2 Disable 0 10 s V </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>10.0</td> <td></td> <td>iachla M</td> <td>IP CH1</td> <td></td>							10.0		iachla M	IP CH1	
IP CH3 Disable V G 10 s V							10 5			IP CH2	atistics
IP CH4 Disable V G 10 s V G							10.5		sable •		
III OLANDE V OP 10 s V						Ť	10 s			псни	
II Bladle V GV 10 s V GV 10 s V IP CH6 Disable V GV 10 s V GV GV GV GV GV IP CH7 Disable V GV 10 s V GV GV <td></td> <td></td> <td></td> <td></td> <td></td> <td>Ý</td> <td>10 5</td> <td></td> <td></td> <td>IP CH5</td> <td></td>						Ý	10 5			IP CH5	
IP CH7 Disable 0 10 s V						~	10 s		isable V		
IP CH8 Disable V <t< td=""><td></td><td></td><td></td><td></td><td></td><td>*</td><td>10 \$</td><td></td><td>Isable 🗸</td><td></td><td></td></t<>						*	10 \$		Isable 🗸		
IP CH3 Disable V <t< td=""><td></td><td></td><td>×</td><td>×</td><td></td><td>~</td><td>10 s</td><td></td><td>isable 🗸</td><td></td><td></td></t<>			×	×		~	10 s		isable 🗸		
IP CH10 Disable V (e) 10 s V			<u> </u>	<u> </u>	<u> </u>	~	10 s	e	isable 🗸		
IP CH10 Disable V G 10 s V V V V V V IP CH11 Disable V G 10 s V V V V V V V V IP CH12 Disable V G 10 s V	<u>∼</u>			× *	<u> </u>		10 s	0	isable 🗸	IP CH9	
IP CH11 Disable V I0 s V V V V V IP CH12 Disable V I0 s V V V V V V IP CH13 Disable V I0 s V V V V V V IP CH14 Disable V I0 s V V V V V V IP CH16 Disable V I0 s V V V V V V IP CH16 Disable V I0 s V V V V V V IP CH16 Disable V I0 s V V V V V V IP CH17 Disable V I0 s V V V V V V IP CH18 Picable I0 s V V V V V V			×	×	<u>×</u>		10 s	۲	isable 🗸	IP CH10	
IP CH12 Disable V V V V V V IP CH13 Disable V 0 10 s V V V V V IP CH14 Disable V 0 10 s V V V V V IP CH14 Disable V 0 10 s V V V V V IP CH15 Disable V 0 10 s V V V V V IP CH16 Disable V 0 10 s V V V V V V IP CH17 Disable V 0 10 s V V V V V V IP CH18 Disable V 0 10 s V V V V V V			~	~	×		10 s	0	isable 🗸	IP CH11	
IP CH13 Disable V I0 s V V V V V IP CH14 Disable V I0 s V V V V V V IP CH15 Disable V I0 s V V V V V V IP CH16 Disable V I0 s V V V V V IP CH17 Disable V I0 s V V V V V IP CH18 hisable I0 s V V V V V V			×	>	✓		10 s	0	isable 🗸	IP CH12	
IP CH14 Disable V ID s V			✓	✓	✓		10 s		isable 🗸	IP CH13	
IP CH15 Disable ID s IV			>	>	✓		10 s		isable 🗸	IP CH14	
IP CH16 Disable ID s ID			>	>	>		10 s		isable 🗸	IP CH15	
IP CH17 Disable ✓ Ø 10 s ✓			×	>	✓		10 s		isable 🗸	IP CH16	
IP CH18 Diseable V (6) 10 c V 💟 💟 💟			×	~	✓		10 s		isable 🗸	IP CH17	
			V	×	✓				isable 🗸	IP CH18	
Copy Default Save	fault Save	opv Defa									

Setup	CI	nannel Rece	ord	Alarm Al Network D	evice System					0 4/11/2022	20:03:15 🗙
Setup		F	R A	D LPR PD & VD PID	LCD CC CD Q	D LPD RSD					
A						Alarm [Allow Lis	t]			×	
© Recognition											
Alarm		Latch Time		License Plate Caputre V	Save Background V	Show Thumbhail V	Send Email 🗸	FTP Picture Upload 🗸	Picture to Cloud V	Voice Prompts	
Statistics		10 s		×	×	×		~		0	
		10 s		×	×	× _		×		0	
		10 s		<u>×</u>	<u>×</u>	× 1		×		0	
		10 s		×	×	<u> </u>		×		0	
		10 s		<u>×</u>	×	<u>×</u>		×		0	
		10 s		×	×	× –		×		0	
		10 s		<u>×</u>	<u>×</u>	<u>×</u>		×		0	
		10 s		×	×	× _		× _		0	
		10 s		×	×	×		~		0	
		10 s		×	×	×		×		0	
		10 s		<u>~</u>	<u>×</u>	<u>×</u>		×		0	
		10 s		<u>~</u>	×	×		×		0	
		10 s		<u>~</u>	×	×		~		0	
		10 s		✓	×	✓		×		٥	
		10 s		✓	×	<u>~</u>		✓		0	
		10 s		✓	>	✓		✓		٥	
		10 s		✓	×	✓		×		٥	h
				V	V	×		×		6	
									Default		
										Default	Apply

Buzzer: DVR internal buzzer. You can set the buzzer duration time (in seconds) for triggering a license plate alarm.

License Plate Capture: License plate number picture capture.

Save Background: Save the background.

Show Thumbnail: Show the little thumbnails.

Send Email: When the license plate is detected, the picture is sent to the mailbox.

FTP Picture Upload: When the license plate is detected, the picture is sent to the FTP.

Picture to Cloud: When the license plate is detected, the picture is sent to the Cloud.

Voice Prompts: When the alarm is triggered, good audio files will be imported through voice prompts.



Alarm Schedule: Click 🙆 to enter schedule interface.

Check the time period that you want to trigger the alarm. Click **Apply** to save. Click **Copy** to copy the current channel parameters to other channels.

Copy Default Apply

5.4.3.4 PD & VD (Human & Vehicle Detection)

Setup Channel	Record Al	arm Al	Network D	evice Syst	tem						G	04/11/2022 20:0)3:43 X
Ø Setup		LPR P	D&VD PID			LPD RSD							
Recognition	Channel	Bu		Alarm Out	Latch Tim		Record 🗸	Post Recordin	ng 🗸 S	how Message 🐱	Send Email 🗸	FTP Picture Upl	oad 🗸 F
Alarm	CH1	OFF		۲	10 s		ON	30 s		×	~	~	
A Statistica	CH2	OFF					ON	30 s		>	N	V	
		OFF			10 s			30 s		×	S	>	
	CH4	OFF			10 s		ON	30 s		×	\checkmark	\checkmark	
	CH5	OFF			10 s			30 s		×	N	$\mathbf{>}$	
	CH6	OFF					ON	30 s		×	×	×	
		OFF			10 s			30 s		$\mathbf{\Sigma}$	$\mathbf{\mathbf{v}}$	$\mathbf{\mathbf{v}}$	
	CH8	OFF			10 s		ON	30 s		×	×	×	
	CH9	OFF			10 s			30 s		~	~	\sim	
	CH10	OFF		٢	10 s		ON (30 s		×	~	~	
	CH11	OFF		٢			ON ON	30 s		×	~	×	
	CH12	OFF		۲	10 s		ON ON	30 s			\sim	<u>~</u>	
	CH13	OFF		0	10 s		ON	30 s		×	×	×	
	CH14	OFF		٢	10 s		ON ON	30 s		~	×	×	
	CH15	OFF			10 s		ON ON	30 s		×	×	×	
	CH16	OFF		0	10 s	~		30 s					
		OFF	~		10 s	~	ON ON	30 s	*				
	IP CH6	OFF	~	(9)	10 s	~	(ON	30 s	~			×	
Setup Channel	Record Ali	arm Al	Network D	evice Syst	tem						G	04/11/2022 20:0)3:49 🗙
⊚ Setup				200 00	00 40								
© Recognition	Latch	Time ,	✓ Record ✓	Post Re	cording 🗸	Show Mes	sage 🗸 🤮	Send Email 🗸 🛛 F	TP Picture Up	load 🗸 Picture	e to Cloud ∽ F	ull Screen 🗸 Vo	ice Prompts
Alarm	10 s			30 s		×			×				
Statistics	10 s	~		30 s	~	×							
	10 c	v		30 s	÷								e e
	10 s			30 s	·			<u> </u>	~		✓		
	10 s		 ON 	30 s				~	~		~		ø
	10 s	~		30 s		~		×	~		×		
	10 s	~	 ON 	30 s		~		~	~		~		
	10 s	~		30 s		~		✓	×		×		
	10 s	~	ON	30 s		~		×	×		×		
	10 s	~		30 s		~		×	×		×		
	10 s	~	Ø ON	30 s		~		×	>		×		
	10 s	~		30 s		~		✓	×		×		
	10 s	~	 ON 	30 s				✓	~		✓		
	10 s	~		30 s		~		✓	~		✓		
	10 s	~	 Ø ON 	30 s		~		✓	×		✓		
	10 s	~		30 s		~		✓	~		×		
	10 s	~	 Ø ON 	30 s					~		✓		
				k									

Configure the pedestrian and vehicle alarm function

Channel: Channel name

Buzzer: DVR internal buzzer. You can set the buzzer duration time (in seconds) for triggering a pedestrian and vehicle alarm.

Alarm out: Check the external alarm device when the pedestrian and vehicle alarm is triggered. Latch Time: Set the duration of triggering the external alert devices (10s, 20s, 40s, and 1Min).



Record: Click 🙆 icon to set channels that pedestrian and vehicle alarms.



Post Recording: Set the duration of continuous DVR recording after the event occurs. The suggested recording time is 30 seconds, but can be set to up to 5 minutes.

Show Message: Select this box to show \$\$ icon when pedestrian and vehicle alarms are

detected.

Send Email: DVR send an automatic email when pedestrian and vehicle alarms are detected. **FTP Picture Upload**: To upload alarm images to FTP server when an alarm is triggered. To enable FTP, please view <u>5.6.3 FTP</u>.

FTP Video Upload: To upload alarm video to FTP server when an alarm is triggered. To enable FTP, please view <u>5.6.3 FTP</u>.

Picture to Cloud: To upload alarm images to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.6.2 Cloud</u>.

Video to Cloud: To upload alarm video to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.6.2 Cloud.</u>

Full Screen: If this feature is enabled and the pedestrian and vehicle alarms are detected in the channel, you will see the channel in full-screen mode.

Voice Prompts: Voice prompt, when the alarm is triggered, the audio file is imported by the voice prompt (the IPC needs to support the voice prompt function), Please view in <u>5.3.9 Voice Prompts</u>

5.4.3.5 PID (Perimeter Intrusion Detection)

Setup Channel	Record Ala	irm <u>Al</u> Netw	ork Devic	e Syst	tem					Ċ	04/11/2022 :	20:05:41	×
Setup		LPR PD & VD	PID LC	D CC		PD RSD							
Recognition	Channel	Ruzzer		arm Out	Latch Time		Record 🗸	Post Recording	Show Message 🗸	Send Email 🗸	FTP Picture	Upload 🗸	
Alarm	CH1	OFF		٢	10 s		ON	30 s	~	~		2	
	CH2	OFF					ON	30 s	M	X		4	
Statistics		OFF			10 s			30 s	Y	×		4	
	CH4	OFF			10 s		ON	30 s	V	~		2	
	CH5	OFF			10 s			30 s	Y	>		~	
	CH6	OFF			10 s		ON	30 s	Y	~		4	
		OFF			10 s			30 s	Y	>		2	
	CH8	OFF			10 s		ON (30 s	Y	×		1	
	CH9	OFF			10 s			30 s	Y	~		2	
	CH10	OFF			10 s		ON	30 s	Y	>		2	
		OFF			10 s			30 s	Y	~			
		OFF			10 s		ON (30 s	M	×		2	
		OFF			10 s			30 s	X	×		~	
	CH14	OFF			10 s		ON	30 s		×		2	
		OFF			10 s			30 s	Y	×			
		OFF			10 s		ON	30 s	Y	~		2	
	IP CH2	OFF			10 s			30 s	Y	×		2	
	IP CH6	OFF			10 s		ON	30 s	Y	~		2	
											Default	Apply	
Setup Channel	Record Ala	irm Al Netw	ork Devic	e Syst	tem					Ċ	04/11/2022	20:05:47	×
Setup		LPR PD & VD	PID LC	D CC		PD RSC							
A . D		k											
Recognition	Post Rec	ording 🗸 SI	now Message) ✓ Se	end Email 🗸 🛛 F	TP Picture	e Upload 🥆	FTP Video Upload 🤸	Picture to Cloud 🗸	Video to Cloud	Full Screen 🗸	Voice Promp	rts
Alarm	30 s		\sim		×		×	×	~				

Alarm	30 s	×	×	>	×	×			
A Chatiatian	30 s	× 🗸	~	~	~	~			
♥ Statistics	30 s	× 🗸	~	~	×	~			
	30 s	× 🗸	~	~	✓	>			
	30 s	× 🛛	×	>	×	×			
	30 s	× 🗹	×	>	×	M			
	30 s	× 🛛	×	>	×	×			
	30 s	× 🗸	×	M	×	M			
	30 s	× 🗸	×	>	×	×			
	30 s	× 🗹	×	>	×	×			
	30 s	× 🛛	×	>	×	M			
	30 s	×	×	>	×	M			
	30 s	×	×	>	×	×			
	30 s	× 🗹	M	M	×	M			
	30 s	×	M	>	✓	M			
	30 s	×	M	>	✓	M			
	30 s	× 🗹	M	M	⊻	M			
	30 s	× 🗹	M	M		M			
							Сору	Default	Apply
								Lordan	

Configure the Perimeter Intrusion Detection function

Channel: Channel name

Buzzer: DVR internal buzzer. You can set the buzzer duration time (in seconds) for triggering a **Perimeter Intrusion Detection**.

Alarm out: Check the external alarm device when **Perimeter Intrusion Detection** is triggered. Latch Time: Set the duration of triggering the external alert devices (10s, 20s, 40s, and 1Min). Record: Click 💿 icon to set channels that pedestrian and vehicle alarms.



Z Record Channel

Analog Channels	1		4		6	7		9	10	11	12	13	14	15	16
IP Camera		3	4	5		7	8	9	10	11	12	13	14	15	16

Post Recording: Set the duration of continuous DVR recording after the event occurs. The suggested recording time is 30 seconds, but can be set to up to 5 minutes.

Show Message: Select this box to show **S** icon when **Perimeter Intrusion Detection** are

detected.

Send Email: DVR send an automatic email when **Perimeter Intrusion Detection** are detected. **FTP Picture Upload**: To upload alarm images to FTP server when an alarm is triggered. To enable FTP, please view <u>5.6.3 FTP</u>.

FTP Video Upload: To upload alarm video to FTP server when an alarm is triggered. To enable FTP, please view <u>5.6.3 FTP</u>.

Picture to Cloud: To upload alarm images to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.6.2 Cloud</u>.

Video to Cloud: To upload alarm video to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.6.2 Cloud.</u>

Full Screen: If this feature is enabled and the **Perimeter Intrusion Detection** are detected in the channel, you will see the channel in full-screen mode.

Voice Prompts: Voice prompt, when the alarm is triggered, the audio file is imported by the voice prompt (the IPC needs to support the voice prompt function), Please view in <u>5.3.9 Voice Prompts</u>

5.4.3.6 LCD (Line Crossing Detection)

Setup Channel	R	ecord Ala	arm <u>Al</u> N	etwork D	evice Syst	em					Ċ	04/11/2022	20:06:11	×
Setup			LPR PD &	VD PID	LCD CC		LPD RSD							
Recognition		Channel	Buzze		Alarm Out	Latch Tim		Record 🗸	Post Recording	Show Message 🗸	Send Email 🗸	FTP Picture	Upload 🗸	
• Alarm		CH1	OFF		۲	10 s		ON	30 s	2	~		4	
		CH2	OFF			10 s		ON (30 s	M	>	2	2	
Statistics			OFF			10 s			30 s		S		2	
		CH4	OFF			10 s		ON	30 s		~		2	
	k	CH5	OFF			10 s			30 s		>		4	
		CH6	OFF			10 s		ON	30 s	M	~		4	
			OFF			10 s			30 s		>		4	
		CH8	OFF			10 s		ON	30 s		×		-	
		СНЭ	OFF			10 s			30 s		~		2	
		CH10	OFF			10 s		ON	30 s		>		4	
			OFF						30 s	M	~		×	
			OFF			10 s		ON	30 s	X	×		1	
			OFF			10 s			30 s		>		-	
		CH14	OFF			10 s		ON	30 s		~	5	4	
			OFF			10 s			30 s	M	>	5	~	
			OFF			10 s		ON (30 s	M	~		4	
		IP CH2	OFF			10 s			30 s	M	>		~	
		IP CH6	OFF			10 s		ON	30 s	M	×	5	2	
											Сору	Default	Apply	
Setup Channel	R	ecord Ala FR AD	arm Al N LPR PD&	etwork D VD PID	evice Syst LCD CC	em CD QD I	LPD RSD				C	04/11/2022	20:06:14	×
 Descentition 														
Recognition		Post Rec	ording 🗸	Show Mess	age ∨ Se	nd Email 🗸	FTP Picture	Upload 🗸	FTP Video Upload 🗸	Picture to Cloud 🗸 🕚	Video to Cloud	Full Screen 🗸	Voice Prom	pts
• Alarm		30 s		~		<u>×</u>	~		<u>~</u>	<u> </u>				
Statistics		30 s		~			×		~				0	

🔨 Alarm	30 s	×	×	×	×	×			
Otatiatian	30 s	× 🗹	✓	>	✓	V			
V Statistics	30 s	× 🗹	>	>	>	>			
	30 s	× 🗹	>	>	>	>			
	30 s	× 🗹	>	>	>	Y			
	30 s	× 🗹	×	×	>	>			
	30 s	× 🗹	>	>	>	>			
	30 s	× 🗹	>	>	>	Y			
	30 s	× 🗸	×	×	>	>			
	30 s	× 🗹	×	×	>	>			
	30 s	× 🗸	>	>	>	>			
	30 s	× 🗸	×	×	×	×			
	30 s	× 🗸	>	>	>	>			
	30 s	× 🗹	>	>	✓	×			
	30 s	✓	>	>	>	Y			
	30 s	× 🗹	N	V	>	V			
	30 s	× 🗹	>	>		>			
	30 s	× 🗹	Y	V		V			
			k						
							Сору	Default	Apply

Configure the Line Cross Detection function.

Channel: Channel name

Buzzer: DVR internal buzzer. You can set the buzzer duration time (in seconds) for triggering a Line Cross Detection.

Alarm out: Check the external alarm device when Line Cross Detection is triggered.

Latch Time: Set the duration of triggering the external alert devices (10s, 20s, 40s, and 1Min). Record: Click 🙆 icon to set channels that pedestrian and vehicle alarms.



Z Record Channel

Analog Channels	1							10		12		14	15	
IP Camera		3	4	5	7	8	9	10	11	12	13	14	15	16

Post Recording: Set the duration of continuous DVR recording after the event occurs. The suggested recording time is 30 seconds, but can be set to up to 5 minutes.

Show Message: Select this box to show **S** icon when LCD alarm are detected.

Send Email: DVR send an automatic email when LCD alarm are detected.

FTP Picture Upload: To upload alarm images to FTP server when an alarm is triggered. To enable FTP, please view <u>5.6.3 FTP</u>.

FTP Video Upload: To upload alarm video to FTP server when an alarm is triggered. To enable FTP, please view <u>5.6.3 FTP</u>.

Picture to Cloud: To upload alarm images to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.6.2 Cloud</u>.

Video to Cloud: To upload alarm video to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.6.2 Cloud</u>.

Full Screen: If this feature is enabled and the LCD alarm are detected in the channel, you will see the channel in full-screen mode.

Voice Prompts: Voice prompt, when the alarm is triggered, the audio file is imported by the voice prompt (the IPC needs to support the voice prompt function), Please view in <u>5.3.9 Voice Prompts</u>

5.4.3.7 CC (Cross Counting)

Setup	Channel	Record Ala	arm /	Al Netwo	ork Dev	vice Syst	tem						(04/11/2022	20:06:36	×
Ø Setup			LPR	PD & VD	PID I	LCD CC		LPD RS								
Recognition		Channel		Buzzer		Alarm Out	Latch 1	Time 🗸	Record 🗸	Post Recording		Show Message 🗸	Send Email	 FTP Picture 	e Upload 🗸	F
• Alarm		IP CH2	OFF			۲	10 s		ON	30 s		~	~	1	~	
© Statistics		IP CH6	OFF			0	10 s		ON	30 s		✓	∨	l	∽	
				~												
													Сору	Default	Арріу	
Setup	Channel	Record Al	arm 🖌	Al Netwo	ork Dev	vice Syst	tem						(04/11/2022	20:06:39	×
Setup	Channel	Record Ala	arm /	AI Netwo	ork Dev PID L	vice Syst	tem CD QD	LPD RS	D				(04/11/2022	20:06:39	×
 Setup Setup Recognition 	Channel	Record Ala FR AD Post Rec	arm / LPR cording	AI Netwo PD & VD	ork Dev PID L	rice Syst LCD CC ge ✔ Se	tem CD QD and Email V	LPD RS	D e Upload 🗸	FTP Video Upicad	✓ F	Picture to Cloud ∽	(Video to Cloud	04/11/2022 Full Screen v	20:06:39	×
 Setup Setup Recognition Alarm 	Channel	Record Ala FR AD Post Rec 30 s	arm J LPR cording	Al Netwo PD & VD V Sh	ork Dev PID L now Messar	vice Syst LCD CC ge ✔ Se	tem CD QD - end Email V	LPD RSI	D e Upload 🗸	FTP Video Upload	✓ F	Picture to Cloud ↓	(Video to Cloud	€ 04/11/2022 Full Screen ∨	20:06:39 Voice Prompt	×
Setup Setup Recognition Alarm Statistics	Channel	Record Ala FR AD Post Rec 30 s 30 s	LPR	Al Netwo PD & VD Sh	PID L NOW Messay	vice Syst LCD CC ge ✔ Se	tem CD QD and Email V	LPD RSI	D e Upload 🗸 Y	FTP Video Upload	✓ F	Picture to Cloud 🗸	Video to Cloud	© 04/11/2022 Full Screen ~	20:06:39 Voice Prompt	X
Setup Setup Recognition Alarm Statistics	Channel	Record Al FR AD 90st Rec 30 s	LPR	Al Netwo PD & VD V Sh	PID L PID L Now Messay	/ice Syst LCD CC ge ✔ Se	tem CD QD and Email V V	LPD RSI	D e Upload 🗸 Y	FTP Video Upload	~ F	⊃icture to Cloud ♀ ♀	Video to Cloud	04/11/2022	20:06:39 Voice Prompt ©	×
Setup Setup Recognition Alarm Statistics	Channel	Record All FR AD Post Rec 30 s 30 s	LPR	Al Netwo PD & VD	PID L PID L NOW Messar V	vice Syst LCD <u>CC</u> ge v Se	tem CD QD and Email V V	LPD RSI	D e Upload v V	FTP Video Upload	~ F	Picture to Cloud 🗸	Video to Cloud	© 04/11/2022	20:06:39 Voice Prompt ©	X
Setup Setup Setup Recognition Alarm Statistics	Channel	Record All FR AD Post Rec 30 s 30 s	LPR	Al Netwo PD & VD Sh	PID L PID L NOW Messar	uice Syst LCD CC ge ✔ Se	tem CD QD and Email V V	LPD RSI	D e Upload v v v	FTP Video Upload	~ F	Picture to Cloud 🗸	Video to Cloud	© 04/11/2022	20:05:39 Voice Prompt	X
Setup Setup Setup Recognition Alarm Statistics	Channel	Record All FR AD Post Rec 30 s 30 s	LPR Cording	Al Netwo PD & VD Sh	PID L PID L NOW Messar V	vice Syst	tem CD QD Ind Email V V V	LPD RSI	D e Uplcad v	FTP Video Upload	~ F	Picture to Cloud 🐱	Video to Cloud	9 04/11/2022	20.06.39	X ts
Setup Setup Accounting Alarm Statistics	Channel	Record All FR AD Post Rec 30 s	LPR LPR coording	Al Network PD & VD Sh	PID (PID (www.Messau V	//ice Syst LCD <u>CC</u> ge γ Se	tem CD QD and Email V	LPD RS	D e Upload v	FTP Video Upload	v f	Picture to Cloud 🗸	Video to Cloud	● 04/11/2022 Full Screen	20.06.39 Voice Prompt ©	X 15
Setup According Alarm Statistics	Channel	Record All FR AD Post Rec 30 s 30 s	LPR	Al Netwo PD & VD	PID L PID L IOW Messau V	lcD <u>CC</u> ge γ Sε	tem CD QD ond Email ↓ ¥ ¥	LPD RSI	D e Upload 🗸	FTP Video Upload	v F	Picture to Cloud V	Video to Cloud	04/11/2022	20.06.39	X
Setup Setup Recognition Alarm Statistics	Channel	Record All FR AD Post Rec 30 s	LPR LPR	Al Network PD & VD	PID L NOW Messar	lcc Syst Lcc <u>cc</u> ge v Se	tem CD QD end Email ↓ ¥ ¥	LPD RSI	D e Upload 🗸	FTP Video Upload	v f	Picture to Cloud V	Video to Cloud	0 4/11/2022 Full Screen ↓ □	20.06.39	X
Setup Accognition Alarm Statistics	Channel	Record All FR AD Post Rec 30 s 30 s	LPR	Al Network PD & VD	PID (PID (2 2 2	vice Sys LCD <u>CC</u> ge ✓ Sa	tem CD QD ond Email v	LPD RS	D e Upicad v	FTP Video Upload	v F	Picture to Cloud 💙	Video to Cloud	● 04/11/2022	20.06.39	X ts
Setup Accountion Alarm Statistics	Channel	Record All	LPR	Al Network PD & VD	PID t PID t V V	rice Sys LCD <u>CC</u> ge → Se	tem CD QD and Email ↓ ♥ ♥	LPD RS	D e Upicad v V	FTP Video Upload	~ F	Picture to Cloud 💙	Video to Cioud	● 04/11/2022	20.06.39	X 15
Setup Ecognition Alarm Statistics	Channel	Record All FR AD 905 Rec 30 5	LPR LPR	Al Network PD&VD Sh	PID t PID t Vow Messa V	vice Sys LCD <u>CC</u> ge √ Se	tem CD QD ond Email ↓ ¥	LPD RSI	D e Upload v	FTP Video Upload		Picture to Cloud V	Video to Cloud	04/11/2022	20.06:39	X
Setup Setup Recognition Alarm Statistics	Channel	Record All FR AD 90st Rec 30 s 30 s	LPR	Al Netwo PD & VD	PID L PID L V	vice Sys LCD <u>CC</u> ge γ Sε	tem CD QD and Email ↓ ¥	LPD RS	D e Upload v	FTP Video Upload	✓ f	Picture to Cloud V	Video to Cloud	0 4/11/2022 Full Screen ↓ □	20.06.39	X
 Setup Setup Recognition Alarm Statistics 	Channel	Record All	arm /	Al Network PD & VD	PID t PID t V	vice Sys LCD <u>CC</u> ge ✓ Sa	tem CD QD end Email ✓ ✓	LPD RS	D e Uplcad v	FTP Video Upload	~ 1	Picture to Cloud V	Video to Cloud	● 04/11/2022	20.06.39	X
Setup Setup Recognition Alarm Statistics	Channel	Record All	LPR LPR	Al Network	PID t PID t V	rice Sys LCD <u>CC</u> ge ↓ Se	tem CD QD ond Email V V	LPD RSI	D e Upload v	FTP Video Upload		Picture to Cloud V	Video to Cloud	04/11/2022	20.06.39	
Setup Setup Recognition Statistics	Channel	Record All	LPR J	Al Network PD & VD	ark Dev PID t V	rice Sys LCD <u>CC</u> ge ↓ Sε	tem CD QD and Email V V	LPD RSI	D e Upload v	FTP Video Upload	~ F	Picture to Cloud V	Video to Cloud	0 4/11/2022	20.06.39	*

Configure Cross Counting function in this interface.

Channel: Channel name

Buzzer: DVR internal buzzer. You can set the buzzer duration time (in seconds) for triggering a Cross-Counting alarm.

Alarm out: Check the external alarm device when Cross Counting is triggered.

Latch Time: Set the duration of triggering the external alert devices (10s, 20s, 40s, and 1Min).



Record: Click 🙆 icon to set channels that pedestrian and vehicle alarms.



Post Recording: set the duration of continuous DVR recording after the event occurs. The suggested recording time is 30 seconds, but can be set to up to 5 minutes.

Show Message: Select this box to show **S** icon when CC alarm are detected.

Send Email: DVR send an automatic email when CC alarm are detected.

FTP Picture Upload: To upload alarm images to FTP server when an alarm is triggered. To enable FTP, please view <u>5.6.3 FTP</u>.

FTP Video Upload: To upload alarm video to FTP server when an alarm is triggered. To enable FTP, please view <u>5.6.3 FTP</u>.

Picture to Cloud: To upload alarm images to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.6.2 Cloud</u>.

Video to Cloud: To upload alarm video to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.6.2 Cloud</u>.

Full Screen: If this feature is enabled and the CC alarm are detected in the channel, you will see the channel in full-screen mode.

Voice Prompts: Voice prompt, when the alarm is triggered, the audio file is imported by the voice prompt (the IPC needs to support the voice prompt function), Please view in <u>5.3.9 Voice Prompts</u>

5.4.3.8 CD (Crowd Density Detection)

Setup	Channel	Record Al	arm <mark>Al</mark> N	etwork Devi	ce System				C	04/11/2022	20:07:18 🗙
Setup			LPR PD &	VD PID LO	CD CC CD QD	LPD RSD					
Recognition		Channel	Buzze	r ∨ A	Jarm Out Latch T	rime 🗸 Record 🗸	Post Recording	Show Message 🗸	Send Email 🗸	FTP Picture	e Upload 🗸 🛛 F
Alarm		IP CH2	OFF		(i) 10 s	✓ (a) ON	30 s 🗸	- ✓	∽		✓
Statistics		IP CH6	OFF		() 10 s	✓ ③ ON	30 s 🗸		M		~
					*						
									Copy	Default	Apply
									00093	Derault	Срыз
Setup	Channel	Record Al	arm <mark>Al</mark> N	etwork Devi	ce System				(04/11/2022	20:07:19 🗙
Setup	Channel	Record Ala	arm AI N	etwork Devie VD PID LC	ce System	LPD RSD			0	04/11/2022	20:07:19
 Setup Setup Recognition 	Channel	Record Al: FR AD Post Rec	arm AIN LPR PD&	etwork Devia VD PID LC Show Messaga	ce System CD CC <u>CD</u> QD e V Send Email V	LPD RSD FTP Picture Upload 🗸	FTP Video Upload 🗸	Picture to Cloud ♀	Video to Cloud	04/11/2022 Full Screen v	20:07:19 X Voice Prompts
 Setup Setup Recognition Alarm 	Channel	Record Ala FR AD Post Rec 30 s	arm AI N LPR PD& cording ~	etwork Devia VD PID LC Show Message	CC System CD CC CD QD e V Send Email V V	LPD RSD FTP Picture Upload 🗸	FTP Video Upload 🗸	Picture to Cloud 🗸	Video to Cloud	04/11/2022 Full Screen ∽	20:07:19 X Voice Prompts
Setup Setup Recognition Alarm Statistics	Channel	Record Al FR AD Post Rec 30 s	arm AI N LPR PD& cording ~	etwork Devie VD PID LC Show Message V	cce System CD CC CD QD e V Send Email V V V	LPD RSD FTP Picture Upload V V V	FTP Video Upload 🗸	Picture to Cloud 🗸 V V	Video to Cloud	04/11/2022	20:07:19 X Voice Prompts ©
Setup Setup Recognition Alarm Statistics	Channel	Record All FR AD Post Rec 30 s 30 s	arm AI N LPR PD & cording V	etwork Devia VD PID LC Show Message V V	ce System 20 CC CD QD e V Send Email V V V	LPD RSD FTP Picture Upload V V	FTP Video Upload 🗸	Picture to Cloud 🗸	Video to Cloud	04/11/2022	20:07:19 X Voice Prompts ©
Setup Setup Recognition Aiarm Statistics	Channel	Record All FR AD Post Rec 30 s 30 s	arm Al N LPR PD & cording ~ ~	etwork Devia VD PID LC Show Message V V	ce System DC CC CD QD e ♥ Send Email ♥ ♥ ♥	LPD RSD FTP Picture Upload ~ X X	FTP Video Upload 🐱	Picture to Cloud V	Video to Cloud	04/11/2022	20.07.19 X Voice Prompts ©
Setup Setup Alarm Statistics	Channel	Record All FR AD Post Rec 30 s	arm AI N LPR PD & cording ~	etwork Devia VD PID LC Show Messagu V V	ce System CD CC CD QD e V Send Email V V V	LPD RSD FTP Picture Upload v V	FTP Video Upload 🗸	Picture to Cloud V	Video to Cloud	04/11/2022	20:07:19 X Voice Prompts ©
Setup Setup Recognition Alarm Statistics	Channel	Record Ala FR AD Post Rec 30 s 30 s	arm AI N LPR PD& cording ~ ~	etwork Devia VD PID LC Show Message	ce System CD CC CD QD e ✓ Send Email ✓ ✓ ✓	LPD RSD FTP Picture Upload v V V	FTP Video Upload 🗸	Picture to Cloud 💙	Video to Cloud	04/11/2022	20:07:19 X Voice Prompts ©
Setup Setup Recognition Alarm Statistics	Channel	Record Al FR AD Post Rec 30 s 30 s	arm Al N LPR PD &	etwork Devia	ce System 50 CC CD QD e V Send Email V V V	LPD RSD FTP Picture Upload ~ V	FTP Video Upload 🗸	Picture to Cloud V	Video to Cloud	● 04/11/2022	20:07:19 X Voice Prompts ©
Setup Accognition Aurm Statistics	Channel	Record Al FR AD Post Rec 30 s	arm Al N LPR PD &	etwork Devia	ce System 20 CC CD Q0 e ♥ Send Email ♥ ♥ ♥	LPD RSD FTP Picture Upload V	FTP Video Upload 🗸	Picture to Cloud V	Video to Cloud	● 04/11/2022	20:07:19 X Voice Prompts ©
Setup Accountion Alarm Statistics	Channel	Record Al. FR AD Post Rec 30 s 30 s	arm Al N	etwork Devia	ce System DC CC CD QD e ♥ Send Email ♥ ♥ ♥	LPD RSD FTP Picture Upload v V	FTP Video Upload 🗸	Picture to Cloud V	Video to Cloud	● 04/11/2022	20:07:19 X Voice Prompts ©
Setup Alarm Statistics	Channel	Record Al. FR AD Post Rec 30 s 30 s	arm Al N LPR PD &	etwork Devia	ce System 20 CC CD QD e ✓ Send Email ✓ ✓ ✓	LPD RSD FTP Picture Upload v V V	FTP Video Upload 🗸	Picture to Cloud 💙	Video to Cloud	● 04/11/2022	20:07:19 X Voice Prompts ©
Setup Alarm Statistics	Channel	Record All FR AD Post Rec 30 s 30 s	arm Al N LPR PD &	etwork Devia	ce System	LPD RSD FTP Picture Upload V V	FTP Video Upload 🗸	Picture to Cloud v	Video to Cloud	● 04/11/2022	20:07:19 X Voice Prompts ©
Setup Setup Recognition Aurr Statistics	Channel	Record Al FR AD Post Rec 30 s	arm Al N	etwork Devia	ce System 20 CC CD Q0 e ♥ Send Email ♥ ♥ ♥	LPD RSD	FTP Video Upload v	Picture to Cloud V	Video to Cloud	● 04/11/2022	20:07:19 X Voice Prompts ©
Setup Setup Recognition Alarm Statistics	Channel	Record Al FR AD Post Rec 30 s	arm Al N	etwork Devia	ce System 20 CC CD Q0 e ♥ Send Email ♥ ♥ ♥	LPD RSD FTP Picture Upload V	FTP Video Upload v	Picture to Cloud V	Video to Cloud	● 04/11/2022	20:07:19 X Voice Prompts ©
Setup Aarm Statistics	Channel	Record Al FR AD Post Rec 30 s 30 s	arm Al N LPR PD &	etwork Devia	ce System 20 CC CD Q0 ₽ V Send Email V V V V K	LPD RSD FTP Picture Upload v V	FTP Video Upload v	Picture to Cloud V	Video to Cloud	● 04/11/2022 Full Screen ♥ 	20:07:19 X Voice Prompts ©
Setup Recognition Alarm Statistics	Channel	Record Al FR AD Post Rec 30 s 30 s	arm Al N LPR PD &	etwork Devia	ce System 20 CC CD QD ₽ ✓ Send Email ✓ ✓ ✓	LPD RSD FTP Picture Upload V V	FTP Video Upload V	Picture to Cloud V	Video to Cloud	● 04/11/2022	20:07:19 X Voice Prompts ©
Setup Aarm Statistics	Channel	Record Al	arm Al N LPR PD &	etwork Devia	ce System 20 CC CD QO e ♥ Send Email ♥ ♥ ♥ ♥ ♥ ♥ ♥ ♥ ♥ ♥ ♥ ♥ ♥ ♥	LPD RSD	FTP Video Upload 🗸	Picture to Cloud V	Video to Cloud	● 04/11/2022	20:07:19 X Voice Prompts ©
Setup A Setup A Recognition Statistics	Channel	Record Al FR AD Post Rec 30 s	arm Al N LPR PD &	etwork Devia	ce System	LPD RSD	FTP Video Upload V	Picture to Cloud V	Video to Cloud	● 04/11/2022	20:07:19 X Voice Prompts ©

Configure Crowd Density Detection in this interface.

Channel: Channel name

Buzzer: DVR internal buzzer. You can set the buzzer duration time (in seconds) for triggering a Crowd Density Detection.

Alarm out: Check the external alarm device when Crowd Density Detection is triggered. Latch Time: Set the duration of triggering the external alert devices (10s, 20s, 40s, and 1Min).



Record: Click 🙆 icon to set channels that pedestrian and vehicle alarms.



Post Recording: Set the duration of continuous DVR recording after the event occurs. The suggested recording time is 30 seconds, but can be set to up to 5 minutes.

Show Message: Select this box to show **S** icon when CD alarm are detected.

Send Email: DVR send an automatic email when CD alarm are detected.

FTP Picture Upload: To upload alarm images to FTP server when an alarm is triggered. To enable FTP, please view <u>5.6.3 FTP</u>.

FTP Video Upload: To upload alarm video to FTP server when an alarm is triggered. To enable FTP, please view <u>5.6.3 FTP</u>.

Picture to Cloud: To upload alarm images to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.6.2 Cloud</u>.

Video to Cloud: To upload alarm video to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.6.2 Cloud</u>.

Full Screen: If this feature is enabled and the CD alarm are detected in the channel, you will see the channel in full-screen mode.

Voice Prompts: Voice prompt, when the alarm is triggered, the audio file is imported by the voice prompt (the IPC needs to support the voice prompt function), Please view in <u>5.3.9 Voice Prompts</u>

5.4.3.9 QD (Queue Length Detection)

Setup	Channel	Record Ala	arm Al	Network D	evice Sys	tem						(04/11/2022	20:07:53 🗙
Setup			LPR F	D&VD PID		CD QD	LPD RSC							
Recognition		Channel	В	uzzer 🗸	Alarm Out	Latch Ti	ime 🗸	Record V	Post Recording		Show Message 🗸	Send Email	FTP Pictur	e Upload 🗸 🛛 F
Alarm		IP CH2	OFF		٢	10 s		ON	30 s		✓	~		✓
Statistics		IP CH6	OFF			10 s		ON	30 s		>	×	l	∽
								k						
												Сору	Default	Apply
	Observat	Decession Al	A1	Natural	Pue	tem							0.4/44/2022	00:07:55
Setup	Channel	Record Ali	arm Al	Network D	evice Sys	tem						(04/11/2022	20:07:55 🗙
Setup	Channel	Record Al	arm Al LPR F	Network D	evice Sys	tem CD QD	LPD RSC)				(04/11/2022	20:07:55 🗙
Setup Recognition	Channel	Record Ala FR AD Post Rec	arm Al LPR F	Network D D & VD PID V Show Mes	evice Sys LCD CC sage ✔ Se	tem CD QD end Email V	LPD RSD) a Upload 🗸	FTP Video Upload	► F	Picture to Cloud 🗸	Video to Cloud	€ 04/11/2022 Full Screen ↓	20:07:55 X
Setup Recognition Alarm	Channel	Record Ala FR AD Post Rec 30 s 30 s	arm Al LPR F cording	Network C PD&VD PID V Show Mes	Device Sys LCD CC sage ~ Si	tem CD QD end Email V	LPD RSD) a Upload 🗸	FTP Video Upload	∽ F	Picture to Cloud ♀ ♥ ♥	Video to Cloud	04/11/2022	20:07:55 X Voice Prompts ©
Setup Setup Recognition Alarm Statistics	Channel	Record Al FR AD Post Rec 30 s	arm AI LPR F cording	Network C Network PiD Show Mes Y	Nevice Sys LCD CC sage ✔ Si	tem CD QD end Email V	LPD RSD) e Upload 🗸	FTP Video Upload	∽ F	Picture to Cloud 👻 🖓	Video to Cloud	04/11/2022	20:07:55 X Voice Prompts ©
Setup Setup Recognition Aiarm Statistics	Channel	Record Al FR AD Post Rec 30 s 30 s	arm Al LPR F cording	Network C	Device Sys LCD CC sage v So	tem CD QD end Email V V	LPD RSD) 9 Upload v 2 2	FTP Video Upload	~ F	Picture to Cloud 🗸	Video to Cloud	04/11/2022	20:07:55 X Voice Prompts ©
Setup Setup Setup Recognition Alarm Statistics	Channel	Record Ala FR AD Post Rec 30 s 30 s	arm Al LPR F cording	Network D PD & VD PID Show Mes	levice Sys LCD CC sage ~ Si	tem CD QD end Email V	LPD RSC) a Upload 🗸	FTP Video Upload	∽ F	Picture to Cloud v V V	Video to Cloud	04/11/2022	20:07:55 X Voice Prompts ©
Setup Setup Recognition Alarm Statistics	Channel	Record All FR AD Post Rec 30 s	arm Al	Network D D & VD PID Show Mes	levice Sys LCD CC sage V Si	tem CD CD end Email ~	LPD RSC) b Upload v 2	FTP Video Upload	Y F	Picture to Cloud ↓ ♥ ♥	Video to Cloud) 04/11/2022 Full Screen ∨	20.07:55 X Voice Prompts ©
Setup Setup Recognition Aurm Statistics	Channel	Record All FR AD Post Rec 30 s 30 s	arm Al LPR F cording	Network D Do & VD PID Show Mes	bevice Sys LCD CC Sage V Si	tem CD OD end Email V V V	LPD RSC) a Upload 🗸	FTP Video Upload	✓ F	Picture to Cloud 🐱	Video to Cloud	04/11/2022	20.07.55 X Voice Prompts ©
Setup Setup Recognition Alarm Statistics	Channel	Record All FR AD Post Rec 30 s 30 s	arm Al LPR F cording	Network E PD & VD PID Show Mess V V V V V V V V V V V V V	hevice Sys LCD CC sage V Si	tem CD CD end Email V V V	LPD RSE) a Upload 🗸	FTP Video Upload	r F	Picture to Cloud 💙	Video to Cloud	04/11/2022	20.07.55 X Voice Prompts ©
Setup Setup Setup Recognition Alarm Statistics	Channel	Record Al. FR AD Post Rec 30 s 30 s	arm <u>Al</u> LPR F cording	Network C	Hevice Sys LCD CC sage ↓ Si	tem CD OD end Email V V	LPD RSE) a Upload v 2	FTP Video Upload	v F	Picture to Cloud v	Video to Cloud	9 04/11/2022 Full Screen ∨	20:07:55 X Voice Prompts ©
Setup Setup Recognition Alarm Statistics	Channel	Record All FR AD Post Rec 30 s	arm Al LPR F	Network D >>> XvD PiD >> Show Mas	Hevice Sys LCD CC sage ~ Si	tem CD CD end Email V V V	LPD RSC) b Upload v	FTP Video Upload	v F	Picture to Cloud v V V	Video to Cloud	9 04/11/2022 Full Screen ∨	20.07:55 X Voice Prompts ©
Setup Setup Recognition Alarm Statistics	Channel	Record All FR AD Post Rec 30 s 30 s	LPR F	Network D VD PID Show Mes	Hevice Sys LCD CC Sage ~ Si	tem CD OD end Email V	LPD RSC) la Upload v 2	FTP Video Upload	v F	Picture to Cloud 🗸	Video to Cloud	● 04/11/2022	20.07:55 X Vaice Prompts ©
Setup Setup Recognition Aarm Statistics	Channel	Record All FR AD Post Rec 30 s	AIT AI LPR F	Network D	Hevice Sys LCD CC Sage V St	tem CD OD end Email ~	LPD RSC) b Upload v 2	FTP Video Upload	v F	Picture to Cloud v	Video to Cloud	● 04/11/2022	20.07.55 X Voice Prompts
Setup Setup Recognition Alarm Statistics	Channel	Record All FR AD Post Reco 30 s 30 s	arm Al LPR F	Network C PD & VD PID Show Mes	Hevice Sys	tem	LPD RSC) Is Upload v I	FTP Video Upload	v F	Picture to Cloud v	Video to Cloud	04/11/2022	20.07.55 X Voice Prompts ©
Setup Setup Recognition Alarm Statistics	Channel	Record All FR AD Post Rec 30 s	AJ LPR F	Network D vD & VD PID v Show Mas v v v v v	Hevice Sys LCD CC sage ~ Si	tem	LPD RSC) Dupload V	FTP Video Upload	× F	Picture to Cloud v	Video to Cloud	♥ 04/11/2022 Full Screen ↓	20.07.55 X Voice Prompts ©
Setup Setup Recognition Alarm Statistics	Channel	Record Al. FR AD Post Rec 30 s	AJ LPR F	Network D Network DPD Show Mes	Hevice Sys LCD CC sage ~ Si	tem	LPD RSC) lupload ~	FTP Video Upload	× F	Picture to Cloud V	Video to Cloud	♥ 04/11/2022	20.07.55 X Vaice Prompts ©
Setup Aurr Statistics	Channel	Record All FR AD Post Rec 30 s 30 s	AI LPR F	Network D Network D Not VD PID Show Mes	Hevice Sys LCD CC Sage V Si	tem CD QD end Email V V V	LPD RSC))	FTP Video Upfoad	₹ ₹	ricture to Cloud ∨ ♥ ♥	Video to Cloud	● 04/11/2022	20.07.55 X Voice Prompts
Setup Recognition Alarm Statistics	Channel	Record All FR AD Post Rec 30 s	arm Al LPR F	Network D	Hevice Sys	tem	LPD RSC) Is Upload v V	FTP Video Upload	v F	Picture to Cloud v	Video to Cloud	• 04/11/2022	20.07.55 X Voice Prompts ©

Configure Queue Length Detection in this interface.

Channel: channel name

Buzzer: DVR internal buzzer. You can set the buzzer duration time (in seconds) for triggering a Queue Length Detection.

Alarm out: Check the external alarm device when Queue Length Detection is triggered. Latch Time: Set the duration of triggering the external alert devices (10s, 20s, 40s, and 1Min).


Record: Click 🙆 icon to set channels that pedestrian and vehicle alarms.



Post Recording: Set the duration of continuous DVR recording after the event occurs. The suggested recording time is 30 seconds, but can be set to up to 5 minutes.

Show Message: Select this box to show **S** icon when QD alarm are detected.

Send Email: DVR send an automatic email when QD alarm are detected.

FTP Picture Upload: To upload alarm images to FTP server when an alarm is triggered. To enable FTP, please view <u>5.6.3 FTP</u>.

FTP Video Upload: To upload alarm video to FTP server when an alarm is triggered. To enable FTP, please view <u>5.6.3 FTP</u>.

Picture to Cloud: To upload alarm images to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.6.2 Cloud</u>.

Video to Cloud: To upload alarm video to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.6.2 Cloud</u>.

Full Screen: If this feature is enabled and the QD alarm are detected in the channel, you will see the channel in full-screen mode.

Voice Prompts: Voice prompt, when the alarm is triggered, the audio file is imported by the voice prompt (the IPC needs to support the voice prompt function), Please view in <u>5.3.9 Voice Prompts</u>

5.4.3.10 LPD (License Plate Detection)



Channel: channel name

Buzzer: DVR internal buzzer. You can set the buzzer duration time (in seconds) for triggering a License plate detection.

Alarm out: Check the external alarm device when License plate detection is triggered.

Latch Time: Set the duration of triggering the external alert devices (10s, 20s, 40s, and 1Min).



Record: Click 🙆 icon to set channels that License plate detection alarms.



Post Recording: Set the duration of continuous DVR recording after the event occurs. The suggested recording time is 30 seconds, but can be set to up to 5 minutes.

Show Message: Select this box to show **S** icon when LPD alarm are detected.

Send Email: DVR send an automatic email when LPD alarm are detected.

FTP Picture Upload: To upload alarm images to FTP server when an alarm is triggered. To enable FTP, please view <u>5.6.3 FTP</u>.

FTP Video Upload: To upload alarm video to FTP server when an alarm is triggered. To enable FTP, please view <u>5.6.3 FTP</u>.

Picture to Cloud: To upload alarm images to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.6.2 Cloud</u>.

Video to Cloud: To upload alarm video to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.6.2 Cloud</u>.

Full Screen: If this feature is enabled and the LPD alarm are detected in the channel, you will see the channel in full-screen mode.

Voice Prompts: Voice prompt, when the alarm is triggered, the audio file is imported by the voice prompt (the IPC needs to support the voice prompt function), Please view in <u>5.3.9 Voice Prompts</u>.

5.4.3.11 RSD (Rare Sound Detection)

Setup	Channel	Record Al	arm <mark>Al</mark> N	letwork Device	e System				0	04/11/2022	20:09:14 🗙
Setup			LPR PD 8	VD PID LC		LPD RSD					
Recognition		Channel	Buzz	ər 🗸 Ala	arm Out Latch [*]	Time 🗸 Record 🗸	Post Recording	🗸 Show Message 🗸	Send Email 🗸	FTP Picture	e Upload 🗸 🛛 F
Alarm		IP CH2	OFF		(a) 10 s	✓ (a) ON	30 s 🗸				✓
Statistics		IP CH6	OFF		😟 10 s	✓ ③ ON	30 s 🗸		M		
						k					
									Conv	Defeat	Apply
									Сору	Default	Арріу
🙆 Setup	Channel	Record Al	arm <mark>Al</mark> N	letwork Device	e System				(04/11/2022	20:09:15 🗙
Setup Setup	Channel	Record Al	arm AI M	letwork Device	e System	LPD RSD			C	04/11/2022	20:09:15 🗙
 Setup Setup Recognition 	Channel	Record Al FR AD Post Ref	arm AIN LPR PD &	letwork Device VD PID LCI Show Message	e System D CC CD QD V Send Email V	LPD RSD FTP Picture Upload V	FTP Video Upload 🗸	Picture to Cloud 🗸	Video to Cloud	04/11/2022 Full Screen ~	20:09:15 X Voice Prompts
 Setup Setup Recognition Alarm 	Channel	Record Al FR AD Post Rec 30 s	arm AI N LPR PD & cording ~	letwork Device VD PID LC[Show Message	e System D CC CD QD V Send Email V	LPD RSD FTP Picture Upload V	FTP Video Upload 🗸	Picture to Cloud 🗸	Video to Cloud	04/11/2022 Full Screen ↓	20:09:15 X Voice Prompts
 Setup Setup Recognition Alarm Statistics 	Channel	Record Al FR AD Post Red 30 s 30 s	arm Al M LPR PD 8 cording ~	letwork Device VD PID LCC Show Message V	B System	LPD RSD FTP Picture Upload V	FTP Video Upload 🗸	Picture to Cloud V	Video to Cloud	€ 04/11/2022 Full Screen ↓	20:09:15 X Voice Prompts © @
Setup Setup Recognition Alarm Statistics	Channel	Record All FR AD Post Rec 30 s 30 s	arm AI N LPR PD 8 cording ~	letwork Device VD PID LCC Show Message V V	B System CC CD QD Send Email V V	LPD RSD FTP Picture Upload V	FTP Video Upload 🗸	Picture to Cloud 💙	Video to Cloud	04/11/2022	20:09:15 X Voice Prompts ©
Setup Setup Recognition Alarm Statistics	Channel	Record Al FR AD Post Rec 30 s	arm AI N LPR PD 8 cording ~ ~	letwork Device VD PID LCC Show Message	e System ⊃ CC CD QD ✓ Send Email ✓ ✓	LPD RSD FTP Picture Upload V	FTP Video Upload 🗸	Picture to Cloud V	Video to Cloud	04/11/2022	20:09:15 X Voice Prompts ©
Setup Setup Alarm Statistics	Channel	Record Al FR AD Post Rec 30 s 30 s	AI N LPR PD 8 cording ~	letwork Device VD PID LCC Show Message V V	a System C C CD CD CD Send Email V C	LPD RSD FTP Picture Upload V	FTP Video Upload 🗸	Picture to Cloud V	Video to Cloud	04/11/2022	20:09:15 X Voice Prompts ©
Setup Setup Alarm Statistics	Channel	Record Al FR AD Post Rec 30 s 30 s	AIT AI N LPR PD 8 cording ~	Network Device VD PID LCC Show Message	e System Send Email	LPD RSD FTP Picture Upload V	FTP Video Upload 🗸	Picture to Cloud 💙	Video to Cloud	● 04/11/2022 Full Screen ∨	20:09:15 X Voice Prampts ©
Setup Setup Atarm Statistics	Channel	Record Al FR AD Post Rer 30 s 30 s	arm Al N LPR PD 8 cording V	Network Device VD PID LCC Show Message	e System	LPD RSD FTP Picture Upload V	FTP Video Upload 🗸	Picture to Cloud V	Video to Cloud	9 04/11/2022	20.09.15 X Voice Prompts ©
Setup Setup Accognition Alarm Statistics	Channel	Record Al FR AD Post Rec 30 s 30 s	arm Al N LPR PD & cording ~ ~	Network Device	e System C C CD QD ✓ Send Email ✓ ✓ ✓	LPD RSD FTP Picture Upload V	FTP Video Upload 🗸	Picture to Cloud V	Video to Cloud	● 04/11/2022 Full Screen マ	20.09:15 X Voice Prompts ©
Setup Setup Setup Alarm Statistics	Channel	Record All FR AD Post Rec 30 s 30 s	arm Al N LPR PD 8 cording V V	Network Device	a System C C CD QD V Send Email ↓ V V	LPD RSD FTP Picture Upload V	FTP Video Upload 🗸	Picture to Cloud V	Video to Cloud	● 04/11/2022	20.09:15 X Voice Prompts
Setup Setup Alarm Statistics	Channel	Record All FR AD Post Rec 30 s 30 s	arm Al N LPR PD 8 cording V V	Network Device	a System C C CD CD CO Send Email V C	LPD RSD FTP Picture Upload V	FTP Video Upload 🗸	Picture to Cloud 💙	Video to Cloud	04/11/2022	20.09:15 X Voice Prompts
Setup Setup Alarm Statistics	Channel	Record All FR AD Post Rec 30 s 30 s	arm Al N LPR PD 8 cording V V	Note that the second se	a System	LPD RSD FTP Picture Upload V IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	FTP Video Upload 🗸	Picture to Cloud V	Video to Cloud	● 04/11/2022 Full Screen ∨	20.09.15 X Voice Prompts
Setup Setup Alarm Statistics	Channel	Record Al FR AD Post Rec 30 s 30 s	arm Al N LPR PD &	Retwork Device	e System C C CD QD C Send Email ↓ C C CD QD C QD	LPD RSO FTP Picture Upload V	FTP Video Upload 🗸	Picture to Cloud 💙	Video to Cloud	9 04/11/2022	20.09.15 X Voice Prompts
Setup Setup Recognition Alarm Statistics	Channel	Record Al FR AD 90 s 30 s	arm Al M LPR PD 8 cording ~ ~	Network Device	e System	LPD RSD FTP Picture Upload V	FTP Video Upload 🗸	Picture to Cloud 💙	Video to Cloud	● 04/11/2022 Full Screen マ	20.09:15 X Voice Prompts
Setup Setup Recognition Alarm Statistics	Channel	Record Al FR AD Oost Rec 30 s 30 s	arm Al N LPR PD 8 cording V V	Network Device	a System C C CD QD Send Email V V V	LPD RSD FTP Picture Upload V	FTP Video Upload 🗸	Picture to Cloud V	Video to Cloud	● 04/11/2022	20.09:15 X Voice Prompts
Setup Setup Recognition Alarm Statistics	Channel	Record Al FR AD Post Rec 30 s 30 s	arm Al N LPR PD 8 cording V V	Network Device	a System C C CD CD Send Email V T	LPD RSD FTP Picture Upload V	FTP Video Uplcad v	Picture to Cloud V	Video to Cloud	● 04/11/2022	20.09:15 X
Setup Setup Alarm Statistics	Channel	Record Al FR AD Oost Rec 30 s	arm Al N LPR PD 8 cording ~ ~	letwork Device	a System	LPD RSD FTP Picture Upload V	FTP Video Upload 🗸	Picture to Cloud V	Video to Cioud	9 04/11/2022	20.09.15 X
Setup Setup Aarm Statistics	Channel	Record All FR AD 90st Rec 30 s	arm Al M LPR PD &	Activork Device VD PID LCC Show Message V V	e System	LPD RSD FTP Picture Upload V	FTP Video Uplcad 🗸	Picture to Cloud 💙	Video to Cloud	● 04/11/2022	20.09:15 X Voice Prompts ©

Configure the Rare Sound Detection in this interface.

Channel: Channel name

Buzzer: DVR internal buzzer. You can set the buzzer duration time (in seconds) for triggering a Rare Sound Detection.

Alarm out: Check the external alarm device when Rare Sound Detection is triggered.

Latch Time: Set the duration of triggering the external alert devices (10s, 20s, 40s, and 1Min).



Record: Click 🙆 icon to set channels that Rare Sound Detection alarms.



Post Recording: Set the duration of continuous DVR recording after the event occurs. The suggested recording time is 30 seconds, but can be set to up to 5 minutes.

Show Message: Select this box to show **S** icon when RSD alarm are detected.

Send Email: DVR send an automatic email when RSD alarm are detected.

FTP Picture Upload: To upload alarm images to FTP server when an alarm is triggered. To enable FTP, please view <u>5.6.3 FTP</u>.

FTP Video Upload: To upload alarm video to FTP server when an alarm is triggered. To enable FTP, please view <u>5.6.3 FTP</u>.

Picture to Cloud: To upload alarm images to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.6.2 Cloud</u>.

Video to Cloud: To upload alarm video to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.6.2 Cloud</u>.

Full Screen: If this function is enabled and an alarm is triggered in a channel, you will see that channel in full screen.

Voice Prompts: Voice prompt, when the alarm is triggered, the audio file is imported by the voice prompt (the IPC needs to support the voice prompt function), Please view in <u>5.3.9 Voice Prompts</u>

5.4.4 Statistics

5.4.4.1 FR Statistics

In the face statistics, the faces can be all detected in a period of time, and reflected in the form of a statistical chart.



Select **Groups**, **Channels**, date and statistical time to search results. Click **Export** to export the data to U disk.

5.4.4.2 PD&VD Statistics

In the statistics of people and cars, all the detected people and cars in a period of time can be counted and reflected in the form of statistical diagram.



Select Intelligent Groups, Channels, date, and statistical time to search result.

5.4.4.3 CC Statistics

In the statistics of people and cars, all the detected people and cars in a period of time can be counted and reflected in the form of statistical diagram.

Setup Channel	Record Alarm Al Network Device System		• 04/11/2022 20:10:32 ×
♦ Setup	FR PD & VD CC HM		
© Recognition	Channel IP CH6 V Date 04/11/2022	Report Type Daily Report 🗸	
Alarm Alarm	Cross Type Cross In 🗸 Detection Type Motion		imn Chart Line Chart Search Export
Statistics	$\mathbf{x} = \begin{bmatrix} 10 \\ 8 \\ 6 \\ 4 \\ 2 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	0 , 0 , 0 , 0 , 0 , 0 , 0 , 0 , 0 , 0 ,	0 <u>0 0 0 0 0 0 0 0 0</u> 15 16 17 18 19 20 21 22 23
		Hour	Cross In
		00:00 - 00:59	0
		01:00 - 01:59	0
		02:00 - 02:59	0
		03:00 - 03:59	0
		04:00 - 04:59	0
		05:00 - 05:59	0
		06:00 - 06:59	0

Channel: Select channels

Date: Select the date

Report Type: Select report type, there are Daily Report, Weekly Report, Monthly Report, Annual Report.

Cross Type: Crossing type. There are Cross and Cross Out.

Detection Type: Select the detection type that triggers CC, there are Motion, Person, Vehicle. Click **Search** to search the result.

Export: The result export to external USB drive.

Select Column Chart to show as below picture.

Select Line Chart to show as below picture.



Setup Channel	Record Alarm Al Network Device System	(b) 04/11/2022 20:10:54
Setup	FR PD & VD CC HM	
Recognition	Channel IP CH6 V Date 04/11/2022 🛗 Report Type Daily Report V	
Iarm	Cross Type Cross In V Detection Type Motion V Column Chart Line Chart	
Statistics		. <u>0</u> . <u>0</u> . <u>0</u> . <u>0</u> .
		20 21 22 23
	ID Hour Cros	s In
	1 00.00 - 00.59 0	
	2 01:00 - 01:59 0	
	3 02.00 - 02.59 0	
	4 03.00 - 03.59 0	
	5 04:00 - 04:59 0	
	6 05:00 - 05:59 0	
	7 06:00 - 06:59 0	

5.4.4 Heat Map Statistics

In the heat chart statistics, the frequent activity of some areas can be counted over a period of time and reflected in the form of statistical chart.



Channel: Select channel Date: Select date Start Hour: Select the start time End Hour: Select the end time

Report Type: Report type, there are Daily Report, Weekly Report, Monthly Report, and Annual Report.

Click **Search** to search the result.

Export: Export the result to USB

Select Space Heat Map as upper picture shows

Select Time Heat Map as below picture shows

Select time heat map type has Start Hour and End Hour.





5.5 Network

This menu allows you to configure network parameters, such as PPPoE, DHCP, and so on. The most common types are DHCP. Most probably your network type is DHCP, unless the network is manually addressed. If you need an authentication user name and password to the Internet, then choose PPPoE.

5.5.1 General

5.5.1.1 General

Setup Channel	Record Alarm	AI <u>Network</u> Device System						() 2022-04-19 19:		\times
General	General PPPoE	SNMP Port Configuration								
© DDNS	WAN									
Imail										
FTP	DHCP									
P FILTER	IP Address Subnot Mask	172.020.056.062								
Voice Assistant	Gateway	172.020.056.001								
Diatform Accore	IPv6 Address	fe80::223:63ff:fe94:a711	/ 064	4						
· Flattonn Access	IPv6 Gateway	fe80::/64								
	DNS1	172.018.001.222								
	DNS2	008.008.008								
	🛃 Web Compat	ibility Mode 🛛				×				
								Default	Apply	

If you connect to a router allows to use DHCP, please check the **DHCP** box. The router will assign automatically all the network parameters for your DVR. Unless the network is manually addressed below parameters:

IP Address: The IP address identifies the DVR in the network. It consists of four groups of

numbers between 0 to 255, separated by periods. For example, "192.168.001.100".

Subnet Mask: Subnet mask is a network parameter which defines a range of IP addresses that can be used in a network. If IP address is like a street where you live then subnet mask is like a neighborhood. The subnet address also consists of four groups of numbers, separated by periods. For example, "255.255.000.000".



Gateway: This address allows the DVR to access the Internet. The format of the **Gateway** address is the same as the **IP Address**. For example, "192.168.001.001".

IPv6 Address: Please fill the IPv6 address to be set if your network support IPv6.

IPv6 Gateway: Please fill the gateway to be set if your network support IPv6. Format like "ABCD:EF01:2345:6789:ABCD:EF01:2345:6789".

DNS1/DNS2: DNS1 is the primary DNS server and DNS2 is a backup DNS server. Usually should be enough just to enter the DNS1 server address.

Web Compatibility Mode: If you login of the Win7 system PC after turning on the **HTTPS**, you need to check this item to switch to the **HTTPS** page.

5.5.1.2 PPPoE

Setup Channel	Record Alarm Al	Network Device System		• 03/30/2022 19:	37:20 🗙
General	General PPPoE	SNMP Port Configuration			
• DDNS	Enable PPPOE				
🕆 Email	User				
⊕ FTP	Password				
IP FILTER	ID Address				
Voice Assistant	Subnet Mask				
Platform Access	Gateway				
	DNS1				
	DNS2				
			×		
				Default	Apply
				Delault	APP3

This is an advanced protocol that allows the DVR to connect to the network more directly via DSL modem.

Check the "Enable PPPOE" box, and then enter the User name & Password of the PPPoE.

Click **Apply** to save, system will reboot to active the PPPoE setting.

5.5.1.3 Port Configuration

Setup Channel	Record Alarm	Al Network	Device Syste	m					04/07/2022 14:12:58	×
General	General PPPo	E SNMP Port	Configuration							
⊕ DDNS		Service	Protocol	Internal Port	External Port	UPNP Status	Maping Strategy	UPNP		
🕆 Email		Http/Https/RTSP	TCP	00080		Inactive				
⊕ FTP		Client		09000		Inactive				
IP FILTER										
Voice Assistant	Instruction:			×						
Platform Access	rtsp://ip:port/rt	sp/streaming?channel=	=A&subtype=B							
	A:01(ch1),02(ch2)								
	B:0(main strea	am),1(sub stream)								
	External IP									
	Forward Port									
									Default App	ly

Web Port: This is the port that you will use to log in remotely to the DVR (e.g. using the Web Client). If the default port 80 is already taken by other applications, please change it.

Client Port: This is the port that the DVR will use to send information through. If the default port 9000 is already taken by other applications, please change it.

RTSP Port: DVR is allowed to transport real time streams to other device via RTSP port. (e.g. VLC player)

Https Port: Https port ---Web browsing ports are mainly used for HTTPS services. It is another HTTP that provides encryption and transmission through the security port.

Note: Common port, HTTP port, RTSP port, and HTTPS port share one port, and the default is 80.

UPNP: If you want to log in remotely to the DVR using Web Client, you need to complete the port forwarding. Enable this option if your router supports the UPNP. You need to enable UPNP both, on DVR and router. In this case, you do not need to configure manually port forwarding on your router. If your router does not support UPNP, make sure the port forwarding is completed manually.

Mapping Strategy: Switch to Manual mode, you can set up External Port manually.

P2P Switch: P2P connection can't work once switch disable..

Forward Port: The IPC hyperlink switch can access the IPC web page through the hyperlink on the web of the DVR. At present, only the web port is launched or listed through search, and the IPC that supports API can use the hyperlink to access.

Note:

- The RTSP commands of the DVR are shown as below: For main stream display: rtsp://IP address:port/rtsp/streaming?channel=xx&subtype=0 For sub stream display: rtsp://IP address:port/rtsp/streaming?channel=xx&subtype=1
- 2. For how to connect GV-IP Decoder Box Ultra to the DVR through RTSP, see the <u>technical</u> <u>notice</u>.

5.5.2 DDNS (Dynamic Domain Name Server)

This menu allows you to configure DDNS settings. The DDNS provides a static address to simplify remote connection to your DVR. To use the DDNS, you first need to open an account on the DDNS service provider's web page.

• Const DDNs	Setup Channel	Record Alarm Al Network Device System	04/15/2021 17:4	44:30 X
• CDNS	General	DDNS		
• Enal Sere No.P <		DDNS		
• FTP User • IP FLTER Passend • TOTONS Test DAUS		Server NO_IP		
PFLTER Password Test DAUS		Domain		
Password Text DNS Image: Description of the password of the pas		User		
t Contant Apply		Password Show Password		
۲ Lefaut Appy				
r Default Appy				
r Default Appy				
k Default Apply				
Contaut Apply				
Defauit Apply				
Default Apply				
			Default	

DDNS: Check to enable DDNS.

Server: Select the preferred DDNS server (DDNS_3322, DYNDNS, NO_IP, CHANGEIP, DNSEXIT, GeoDDNS).

Domain: Enter the domain name you created on the DDNS service provider's web page. This will be the address you type in the URL box when you want to connect remotely to the DVR via PC. Fox example: dvr.no-ip.org.

User/Password: Enter the username and password you obtained when creating an account on the DDNS service provider's web page.

After all parameters are entered, Click **Test DDNS** to test the DDNS settings. If the test result is "Network is unreachable or DNS is incorrect", please check whether the network works fine, or the DDNS information is correct or not.



After user applies for a dynamic domain name service, you can use browser to remotely access DVR through the domain name, forming the domain name of http://DDNS: the web port of the mapping/. When the DDNS domain name is used to access the DVR, you need to confirm the port, and the current IP can be connected normally on the public network. The server address/host name/user name/password/setting is consistent with the DVR local settings.

5.5.3 Email

This menu allows you to configure email settings. Please complete these settings if you want to receive the system notifications on your email when an alarm is triggered, HDD becomes full, HDD is in error state, or Video Loss occurs.

Setup Channel	Record Alarm Al Network Device System	• 04/15/2021 17:44:54	×
General	Email Configuration Email Schedule		
DDNS	Emai		
😌 Email	Encryption Auto		
⊕ FTP	SMTP Port 00025		
	SMTP Server		
	User Name		
	Password Show Password		
	Sender		
	Receiver 1		
	Raceiver 2		
	Receiver 3		
	Interval 3 Min		
		Default Apply	у

5.5.3.1 Email Configuration

Email Configuration	Email Schedule	
Email		
Encryption		
SMTP Port		
SMTP Server		
User Name		
Password		Show Password
Sender		
Receiver 1		
Receiver 2		
Receiver 3		
Interval		

Email: Check to enable.

Encryption: Enable if your email server requires the SSL or TLS verification. If you are not sure,

set to be Auto.

SMTP Port: Enter the SMTP port of your email server.

SMTP Server: Enter the SMTP server address of your email.

User Name: Enter your email address.

Password: Enter the password of your email.

Receiver 1~3: Enter the email address where you want to receive the event notifications from the DVR.

Interval: Configure the length of the time interval between the notification emails from the DVR.

To make sure all settings are correct, Click **Test Email**. The system sends an automated email message to your inbox. If you received the test email, it means the configuration parameters are correct.

5.5.3.2 Email Schedule



You need to configure the schedule to fully implement the Email notification.

The color codes on email schedule have the following meanings:

Motion: Green area

IO: Yellow Area

Exception: Red area

In-Analysis: Blue Area

PIR: Purple area

5.5.4 IP Filter

This function allows you to set a blacklist and whitelist so that only the IP addresses in the whitelist can connect to the device.

Setup Channel	Record Alarm Al	Network Device System			04/15/2021 17:47	:12 X
General	IP FILTER					
DDNS	Enable	Enable Allow List O Enable Block	List			
🗇 Email	Restricted Type	Allew Liet				
♦ FTP	Start Address					
• IP FILTER	End Address					
		Start Address	End Address	Delete		
×						
					Default A	Apply

Enable: Enable or disable the IP filter function. Can use the blacklist or whitelist once enabled.
Restricted Type: Select the list (blacklist or whitelist) to set.
Start Address: Input the Start Address.
End Address: Input the End Address.



5.5.5 Voice Assistant

The voice assistant function allows DVR to connect Google Cast or Amazon Fire TV Stick, and project real -time monitoring images through voice control.

5.5.5.1 Amazon

1. Enter your Amazon account and click the **Bind** button to connect and bind your Amazon account. Choose the video code flow to play to the TV display.



2. Enter "**Channel–Live**" page, set a channel name so that easy to show this channel video on TV or monitoring.

Setup Channel	Record Alarr	m Al Ne	twork Device	System							5/07/2022 09:0	8:09	\times
Channel	Live												
• Live	Channel	Setup	Covert 🗸	Channel Name	Show Name 🗸	Date Format	Time Format	✓ Show	Time 🗸	Refresh Rat	te 🗸		
Image Control	CH1	٢		Camera	~	YYYY-MM-DD	24 Hour	~	~	60Hz			
	CH2												
Video Cover	СНЗ			Camera	×	YYYY-MM-DD	24 Hour	~	>	60Hz			
Motion	CH4												
PIR	CH5			Camera	×	YYYY-MM-DD	24 Hour	~	>	50Hz			
	CH6			Camera	×	YYYY-MM-DD	24 Hour	~	>	60Hz			
Deterrence	CH7			Camera	×	YYYY-MM-DD	24 Hour	~	>	60Hz			
Intelligent	CH8			Camera	×	YYYY-MM-DD	24 Hour	~	>	60Hz			
				k									
												Apply	

3. Connect Fire TV Stick to the TV monitor and turn on the power. Connect Fire TV Stick to Wi-Fi, which is in the same local area network as DVR.

B Home				\$
Notifications	Account & Profile Settings	((c) Network	्र Display & Sounds	□□ □+ Applications
्र्राज्य Equipment Control	(A) Live TV	င်္ကြ Controllers & Bluetooth Devices	O Alexa	 Preferences
دعت My Fire TV	Accessibility	? Hetp		



4. Use the existing configuration file or add a new configuration file, and log in to the Amazon account with the same DVR as DVR.

	LOOKS LIKE YOU HAVE SOME AMAZON PROFILES. Create a new profile or add an existing one. Create a New Profile	
	From your Amazon Account	
Add profile		
	ACCOUNT & PROFILE SETTINGS	
\bigcirc	Amazon Account Hello, TuringSue	Deregister your Amazon Account and register a new
$\langle \bigcirc \rangle$	Sync Amazon Content	
Account & Profile	Prime Video	
Settings	Kids Settings	

5. Search from the App Store and install Amazon Alexa to your mobile phone, and then log in with the same Amazon account that is bound to the DVR account.

🔿 amazon alexa
Sign-In
Forgot password?
Email (phone for mobile accounts)
Amazon password
Show password
SIGN-IN
By continuing, you agree to Amazon's Conditions



6. Click "More", and then click "Skills and Games".



7. Click the search icon in the upper right corner.





8. Enter keywords: Smart Camera View, and search.

<	SEARCH	
Sear	ch	
smart c	amera view	
7,481 R	esults	Sort: Relevance 🗸
0	Smart Camera View "Alexa, show my feed camera."	d from the office
	☆☆☆☆☆ 0	
()	ISIWI PLUS "Alexa, show my feed camera." Smart Home	l from the office
	<u>ት</u> ት የ በ በ በ በ በ በ በ በ በ በ በ በ በ በ በ በ በ በ	

9. Click "ENABLE TO USE".





10. You need to link your Amazon account. Log in to the Amazon account with the same account you have bound with the DVR. After the function is successful, click "Completed".



11. Click "**Discover Devices**" waiting for the application to search the camera. After finding and connecting the device, click **Next**.

~	< SETUP
Discover Devices	
Smart Home devices must be discovered before they can be used with Alexa.	a
	16 devices found and connected
	These devices have been added to your Alexa account. Next, continue setting up each of these devices one at a time.
	-
CANCEL	
DISCOVER DEVICES	NEXT



12. Select one of device, then click **SET UP DVICE**, you can add IP camera to group or pass this step.

SETUP	ζ Setup
Choose which connected device o set up first	Where is your camera?
You can delete connected devices any time from the device settings page	Add your device to a group so you can con devices together and say things like, "Alexa on the Living Room".
	YOUR GROUPS
h16 ✓	Bedroom
3	Family room
	Kitchen
	Living room
	COMMON GROUPS
	Master bedroom
:h11	SKIP
SET UP DEVICE	ADD TO GROUP

13. Repeat step 11 to add all cameras, then click Done.





14. All added cameras will be displayed on **Devices** page. Click the camera icon to check all cameras.

	< CAMERAS
I O	BEDROOM
tho & Alexa Cameras All Devices	Window Device - Live view not supported
Hunches + Energy Dashboard	FAMILY ROOM
	Office Device - Live view not supported
Itexa, call for help" × all the Emergency Helpline hands free th Guard Plus	KITCHEN
FIND OUT HOW	Top Device - Live view not supported
IPS	LIVING ROOM
Add Group	back door Device - Live view not supported
Tap + to add a group and control multiple devices at once.	Outside Device - Live view not supported
ne Communicate Play Devices More	Home Communicate Play Devices More

- 15. Hold on Fire TV stick controller audio button, and speak out command clearly. Speak the command like this: Show the XXX camera/Show XXX (the camera's name) For example, if the channel name is "Office", you can say "Show the Office camera".
- 16. Wait for a while, and the real time streaming will be displayed on TV monitoring for the office camera.
- 17. When you want to leave live image, please say "Stop".
- 18. If channels are changing, it needs to search again and add the camera.



5.5.5.2 Google

1. Enter your google account, click **Bind** button to connect and bind your Google account so that you can play the streams on TV monitor.

Setup	Channel	Record Alarm Al	Network Device System		05/07/2022 09	:06:41 X
General		Amazon Google				
		User		The user here need to be the account of Google.		
🕈 Email						
FTP						
IP FILTER		Screen stream	Substream V			
Voice Assistant						
Platform Access						
			•			
					Default	Apply

2. Enter "**Channel–Live**" page, set a channel name so that easy to show this channel video on TV or monitoring.

Setup Chann	el Record Alar	m Al Net	work Device	System					() 05/07/2	2022 09:08:09 🗙
Ochannel	Live									
Live	Channel	Setup	Covert 🗸	Channel Name	Show Name 🗸	Date Format	Time Format	 Show Time 	Refresh Rate 🗸	
Image Control	CH1	٢		Camera	×	YYYY-MM-DD	24 Hour	 ✓ 	60Hz 🗸	
A 141 A	CH2									
Video Cover	СНЗ			Camera	>	YYYY-MM-DD	24 Hour		60Hz 🗸	
Motion	CH4									
🕆 PIR	CH5			Camera	✓	YYYY-MM-DD	24 Hour	✓	50Hz 🗸	
A	CH6			Camera	✓	YYYY-MM-DD	24 Hour		60Hz 🗸	
Deterrence	CH7			Camera	✓	YYYY-MM-DD	24 Hour	✓	60Hz 🗸	
Intelligent	CH8			Camera	×	YYYY-MM-DD	24 Hour	/	60Hz 🗸	
				k,						
										Apply

3. Connect ChormeCast to your TV monitor and power on.



4. Search from app store and install Google Home app to mobile phone. Click "OK" to allow application using your local network and Bluetooth, and click " **OK**".



- 5. Login in your bonded google account.
- 6. Click "Get Started" to create home, and then Click "New devices".





7. Enter home name and address, and then click "Next".

Home nickname & address	Your home address will be used for things like directions.
home. The address will be used for things like directions.	United States (US)
	Address line 1
Home nickname Mike's Home	Address line 2
Home address	City
	State - ZIP code 🤅
Next	Skip

8. Allow application location access.





9. The application will try to search your local network devices automatically. Choose Chromecast. Make sure Chromecast is turned on, and then continue with the next step.

Looking for dovices	What are you setting up?	Plug in your device
LOOKING TOF GEVICES	Chromecast / Google TV	Make sure the device is nearby and connected to power. Wait around 45 seconds for the device to fully turn on.
	Display	
	() Doorbell	
	Q Light bulb	٠
	Lock	
	Ø Plug	
Cancel	Not now	Not now Next

10. Your Chromecast was founded, Click Next to connect. Click Yes to confirm the codes.



10. Select Chromecast position, and then Click Next.



11. Select the Wi-Fi network for Chromecast and enter the Wi-Fi password for connection. Make sure your Wi-Fi is the same as the mobile phone, and is in the same local network as DVR. Click **Continue** to the next step.



12. Click **No Thanks** or **Sign Up** to log in to your Google account.





13. Click Next->Skip->Finish Tutorial.

Almost done! Here's a review of what you have set up	Choose a sample clip to learn how to cast	Tutorial Complete! Now, let's use the Google Home app to find something to watch
Devices Attic TV Services YouTube Music Wi-Fi MHS_5G	NETELIX Marvel: s Dardevil 31 Episode 11 Fallowine Blast Nip Tutorial	Finish Tutorial

11. Now Chromecast is added to your google home page. Click the + icon in the upper left corner to set up device.

+		×	Add and manage	
My Home +		Add	to home	
		Ð	Set up device	
Media Broadcast Routines Settings		+2	Add person, home	
		٥	Create speaker grup	
Family Room 1 device		A	Create new home	
	-	Add	services	
Family Room TV			Videos	
		a.	Music	
		ጮ	Podcasts	
		~		

12. Select "Works with Google". Click the search icon in the upper right corner and then enter "smart camera view".

<			×	Add devices	Q		×	Smart camera view	 Q
Set up a device Set up a new device or add an existing device or service to your home			Add new				Add new		
			6	@Foscam Camera			0	Smart Camera View	
			(Contraction of the second sec	@Nodus Smart					
•	New devices Add something new, like a Chromecast, Google Nest speaker or display, or a partner device, including those labeled "Seamless Setup with the Google Home App."	+	છ	@Redgtech Automação		+			
				@TOLIGO (トリゴ)					
Ð	Works with Google Link one of your existing devices or services, like connected light bulbs or plugs.		B	##Phoebe Smart					
			0	#Age of Discovery IoT					



13. On search result Click "smart camera view". Need to log in your google account and allow google visit your devices.



14. Wait for a minute, and the application will connect to Google home.

×	Smart camera view	Q
Add ne	3W	
0	Smart Camera View	
	1	
Smart	Camera View is linked	



14. The camera available in DVR will now be displayed. Select one of the cameras and touch the next button. Select a home and location for the camera step by step.



15. Repeat the operation of the 13th, add all the camera.

+	1						
Home							
Media Broadcast Routines Setting) IS						
Back door							
back door Inside							
Window							
Backyard							
a E							

- 16. Search from the App Store and install the Google Assistant application to the mobile phone.
- 17. Run Google Assistant, log in to your Google account, this account is bound to the same account that is bound to DVR.



 Now, you can use the text or voice command to transmit the camera to TV monitor, such as "show/play the *** camera on XXX TV". Among them, *** is the name of the camera, xxx is your TV name.

•: 🗳
Play office camera on Mike TV
OK, streaming Office on Mike TV.
G Search Show back door Show Ins
ii 🕙 🦊 📼 🧭

5.5.6 Platform Access

5.5.6.1 Onvif

Enable this function to allow devices to be searched and added by other third-party platforms through the ONVIF protocol.

Setup Channel	Record Alarm Al Network	Device System		D 2021-05-12 07:13	:09 PM 🗙
Interval Interval	Onvif				
© DDNS	Server				
Email Email	Enable	~			
• ETP	Authentication	Digest/WSSE .	/		
	Protocol	нттр	•		
V IF FILTER	User Name	root			
Platform Access	Password	•••••	Show Password		
				Default	Apply

Enable: Enable switch. If turn off this menu, the service will be failed.

Authentication: Login authentication mode, authentication methods including Digest_sha256,

Digest, Digest/WSSE, and WSSE.

Protocol: Connection protocol

Username: Login user name

Password: Login user password

Note: The stream connected by the back end through the ONVIF protocol are all the pictures of the first channel.


5.5.6.2 RTMP

The audio and video streams of the NVR channels can be pushed to the YouTube website by RTMP for live broadcasting. To use this function, you need to do the following: Register a YouTube account, create a live streaming studio, set the URL and live code of the live streaming studio, set the live server address bar for the device, and enable and configure the code stream type and live broadcasting channels. After saving the configuration, you can go to the YouTube live room to refresh the page to watch live broadcasting.

≡		Studio			
((•))					
· ·				^{iitle} /v Live	EDIT
			Connect streaming software to go live	ategory	
		Viewore	will be able to find your stream once you go live	People & Blogs	
		vieweis	will be able to find your stream once you go live	nvacy	
			STREAM SETUP HELP	iewers waiting Likes	
		Sta	t sending us your video from your streaming soft	are to go live	
		STREAM S	ETTINGS ANALYTICS STREAM HEALTH		
		Stream k	24	Additional settings	1
		Select strea	m key	Enable DVR	
			P, 1080p)	000	
			RESET COPY	Sou video	
		Stream URL	сору	Added delay	
		rtmp:	/a.rtmp.youtube.com/live2		-
		ackup serv	/b.rtmp.youtube.com/live2?backu	Closed	
			o supports RTMPS for secure connections. Learn more	Unlist live leplay once stream ends	
		Stream la	tency 🥐		
Ŀ					
8	Onvif	RTMP			
	Enabl	e			
	Serve	er Address	rtmp://a.rtmp.youtube.com/live2/yw88-fhzu-jq0	-h5gh-6hru	
	Strea	m Type	Substream Y		
	Chan		IP Camera 1 2 3 4 5 6 7 8	10 11 12 13 14 15 16	
	Chan	lei	17 18 19 20 21 22 23 24 3	26 27 28 29 30 31 32	
	Reco	mmended i H 264 vide	esolution is 1920x1080. encoding and G711A/L audio encoding is sup	rted	
			automatically change the video encoding to H.2		

Enable: Used to set whether to enable the RTMP live broadcasting function.

Server Address: Enter the live broadcasting address and live code of the YouTube server. (Note: "/" is used between the live broadcasting address and live code of the YouTube server.)

Stream Type: Select the stream type of the live broadcasting channel. Both main stream and substream are supported.

Channel: Select the channel for live broadcasting. Only one channel can be selected.

Note:

- 1. To ensure the live broadcasting effect, it is recommended that the resolution of the stream not exceed 1920 × 1080.
- 2. Live broadcasting can be conducted for only the data streams of H.264 video encoding format and G711A/U audio encoding format.
- 3. A YouTube live code can be set for only one device and cannot be reused.



5.6 Storage

In this section, you can configure the internal HDD & Cloud storage function.

5.6.1 Disk

This menu allows you to check & configure the internal HDD(s). You need to format the HDD only at the first startup and if you replace a new HDD.

Setup	Channel	Record	Alarm		Network	Storage	System						04/2 9	/2021 17:29:08
Disk		Disk	Disk Grou	лр S	.M.A.R.T									
⊕ Cloud				Seri	ial No.		Edit	Model	Firmware	Туре	Disk Group	State	Free/Total	Free/Total Time
⊕ FTP				WKD	2N09C			ST8000VX004-2M1101	AV01	RW	Group1	Normal	5845G/7452G	171Hour/218Hour
				WKD	2S6QD			ST8000VX004-2M1101	AV01	RW	Group1	Normal	7329G/7452G	215Hour/218Hour
		3N		N	AS1			NAS1		RW	Group1	FULL	0M/19G	0s/33Min
		Overwrite		Auto		~	Format HDI	Add NetHDD						
		Record On	ESATA	Enable	9									
													Det	ault Apply

Format HDD: Select the HDD you want to format and then Click **Format HDD**. To start formatting, you need to enter your username and password and then click **OK** to confirm to continue formatting.

ADD NetHDD: This function to add a network hard disk. After configured the network hard disk (NAS), you can connect NAS to record channel video or grab maps through the network connection. But AI Face Database can only be stored in the hard disk.



Setup Channel	Record Alarr	m Al Nei	twork Storage	Syster	n					G	04/22/2021 14:4	1:49 X
🗢 Disk	Disk Disk C	Group S.M.A										
Cloud		Serial N		fit	Model	Firmware	Туре	Disk Group	State	Free/Total	Free/Total	Time
• FTP		W1E4WC	AZ		T2000VX000-1CU164	CV22	RW	Group1	FULL	0M/1863G	0s/81H	our
		Y5SSSLZ	rs		OSHIBA DT01ACA100	MS2OA750	RW	Group2	Normal	867G/931G	151Hour/16	2Hour
		WKD2Z			Add NetHDD X				Normal 5021G/7452G	5021G/7452G	219Hour/326Hou	26Hour
			Mounting type	NFS								
			Server IP	000.00	0.000.000							
			Directory Name									
			Disk size				GB					
					×							
						Add NetHDD						
	Overwrite Auto		 Format H 	DD	Add NetHDD							
											Default	Apply

Mounting type: NFS and CIFS types, NFS needn't to enter NAS account and password, CIFS need to enter NAS account and password.

User Name: NAS account (NFS this option is invisible).

Password: NAS password (NFS this option is invisible).

Server IP: NAS IP address.

Directory Name: Enter the folder that wants to store data in NAS

Disk Size: Set up network disk size

Test: Test whether NAS connected.

Add NetHDD: Click to add NAS.

Overwrite: Use this option to overwrite the old recordings on the HDD when the HDD is full. For example, if you choose the option 7 days then only the last 7 days recordings are kept on the HDD. To prevent overwriting any old recordings, select **OFF**. If you have disabled this function, please check the HDD status regularly, to make sure the HDD is not full. Recording will be stopped if HDD is full.

Record on ESATA: This menu only displayed when your DVR is coming with an e-SATA port on the rear panel. It will allow to record the video to external e-SATA HDD to enhance your HDD capacity. If the e-SATA recording function is enabled, e-SATA backup function will be disabled.



If your DVR supports to install multiple HDDs, the edit icon appears in your system, you can click it to edit the HDD as below:

		HDD	
HDD ID	W1E4WCAZ		
Disk Type	Read Write Disk		
Disk Group	Record Disk Group 1		
	ок	Cancel	

Disk Type: Read-write, read-only, and redundant.

Read-write mode is the normal status for an HDD to save recording or search recording to play. To prevent important video data from being overwritten during cyclic recording, the HDD can be set as **Read-only** mode. New recording will be not able to save into this read-only HDD. You can still search recording from this read-only HDD to play.

A **Redundant** HDD can be used to automatically backup video footage on the recording (read-write) hard drive. When a redundant HDD is set, the system can be set to record cameras in parallel to both the recording hard drive and the redundant hard drive in case of hard drive failure. Only some devices support NAS (Network Hard Drive). NAS is a dedicated data storage server. You can add a hard disk on a remote server to completely separate the storage device from the server, facilitating centralized data management. The figure below only shows the NAS function, and does not represent all the functions of the DVR.



5.6.1.1 Disk Group

If your DVR supports to install multiple HDDs, you can configure the HDD to be different groups. HDD groups allow you to balance recordings across multiple hard drives. For example, you can record channels 1~4 to one hard drive and 5~8 to a second hard drive. This can reduce the amount of wear on the hard drives and may extend the life of the hard drives.



- 1. Use **Disk Group Type** to select the type of group to configure.
- 2. Use **Disk Group** to select the specific group within the selected group type.
- Click the numbered boxes representing channels to record channels to HDDs in the selected group.
- 4. Click Apply to save.

5.6.1.2 S.M.A.R.T

This function can be used to display technical information on the hard drive installed inside your DVR. You can also perform a test (there are three types available) to evaluate and detect potential drive errors.

Setup Channel	Record Alarn	n Al Network Storage Syste	em						O4/22/2021 14:43:07	×
Disk	Disk Disk G	roup S.M.A.R.T								
Cloud FTP	HDD ID: Self-check State: TEMP(°C); Whole Evaluation	W1E4WCAZ Not detected 34 : PASSED		Self-check Ty Utility Time(d Check	pe: Short : 815					
	ID	Attribute Name	Status	Flags	Value	Worst	Threshold	Raw Value		
	0x1	Raw Read Error Rate	ок		118	99		179695664		
	0x3	Spin Up Time								
	0x4	Start Stop Count						21544		
	0x5	Reallocated Sector Ct								
	0x7	Seek Error Rate	ок					12907316745		
	0x9	Power On Hours						19578		
	Оха	Spin Retry Count								
	Oxc	Power Cycle Count	ОК							
	0xb8	End-to-End Error	Fail							
	Oxbb	Reported Uncorrect								
	0xbc	Command Timeout						403733086334		
	0xbd	High Fly Writes						25237		
	0xbe	Airflow Temperature Cel						34 (54 108 38 31 0)		
	Oxbf	G-Sense Error Rate			100	100				
	0xc0	Power-Off Retract Count						14099		
	0xc1	Load Cycle Count						21559		
	0xc2	Temperature Celsius						34 (0 18 0 0 0)		
	0xc5	Current Pending Sector								

Self-check Type: There are three types available:

Short: This test verifies major components of the hard drive such as read/write heads, electronics and internal memory.

Long: This is a longer test that verifies the above as well as performing a surface scan to reveal

problematic areas (if any) and forces bad sector relocation

Conveyance: This is a very quick test that verifies the mechanical parts of the hard drive are

working.

Note: When performing the test, your DVR will continue to work normally. If you find a hard disk S.M.A.R.T error, you can continue to use the hard disk, but there is a risk of losing recorded data. It is recommended to replace the hard disk with a new one.



5.6.2 Cloud

Your DVR can upload snapshots to the cloud service via Dropbox which is a free service that allows you to easily store and share snapshots and always have them on hand when you need them.

Setup Channel	Record Alarm Al	Network Storage System		04/11/2022 20:13:06	\times
Oisk	Cloud				
• Cloud	Cloud Storage	⊻			
TP	Cloud Type	Google Drive			
	Cloud Status				
	Capacity	0%	0.00B/0.00B		
	Cloud Overwrite	Auto			
	Video Type	MP4			
	Channel	Folder Name			
	CH1	CH1			
	CH2	CH2			
		СНЗ			
	CH4	CH4			
	CH5	CH5			
	CH6	CH6			
	CH7	CH7			
	CH8	CH8			
	CH9	CH9			
	CH10	CH10			
	CH11	CH11			
	CH12	CH12			
	CH13	CH13			
	CH1/				
				Default App	

Before activating the cloud function, we recommend that you create a Dropbox account using the same email address and password used for your DVR. Go to <u>www.dropbox.com</u>, input your name, email address and password, agree to the terms & conditions then click the sign up button.

Cloud Storage: Check to enable the function.

Cloud Type: To select cloud type, Dropbox and Google Drive are optional.

Cloud Status: To show cloud activation status

Capacity: To show the remaining space of cloud storage.

Drive Name: Enter the cloud storage name for your DVR.

Activate Cloud: Click to activate the function. After a short moment, you will see a message on-screen. An activation link has been sent to your email (the email address which you had set to receive email alerts in <u>5.5.3.1 Email</u>). Check your email then click the link to activate. You will be taken to the Dropbox website. Click "Allow" to finalize the activation. Repeat these steps if you would like to enable cloud storage for the other cameras available.



5.6.3 FTP

This menu allows you to enable FTP function to view and load captured snapshots from DVR to your storage device over FTP.

Setup Channel	Record	Alarm Network	Storage System				×
Disk		FTP Schedule					
Cloud	F1	TP Enable					
· · · · · · · · · · · · · · · · · · ·	Se	erver IP					
FTP	Po	ort					
	U	ser Name					
	Pa	assword			Show Password		
	Pi	icture Resolution					
	Pi	icture Quality					
	Vi	ideo Stream Type					
	M	ax Package Interval	30 Min	~			
	Di	irectory Name					
	U	pload Normal Video					
	U	pload Alarm Video	Motion PIR Alarm Settings I/O Intelligent				
						Default	Apply

FTP Enable: Click to enable FTP function.

Server IP: Enter your FTP server IP address or domain name.

Port: Enter the FTP port for file exchanges.

Name/ Password: Enter your FTP server user name and password.

Picture Resolution: Set the resolution of the image uploaded to FTP

Picture Quality: Set the quality of the image uploaded to FTP

Video Stream Type: Set the video stream type uploaded to FTP, mainstream and sub stream for optional.

Max Package Interval: Set the Max Package Interval of video.

Directory Name: Enter the default directory name for the FTP file exchanges.

Test FTP: Click to test the FTP settings.

Setup Channel	Record Alarm Network Storage System	×
Olsk	FTP FTP Schedule	
Oloud	Channel CH1 V 0 2 4 6 8 10 12 14 16 18 20 22 24	
♦ FTP	SUN O Normal	
	MON O IO	
	WED	
	FRI	
	SAT	
	Copy Default	Apply

FTP Schedule: Need to configure the plan to perform FTP file uploading.

The color codes on email schedule have the following meanings:

Normal: Green area (Default it not selected)

Motion: Yellow area IO: Red area PIR: Purple area In-Analysis: Blue area

Note: To view images or play videos uploaded to FTP server, make sure you use <u>USAVision</u> <u>Player</u>.



5.7 System

Change general system information such as date, time and region, edit passwords and permissions, and more.

5.7.1 General

5.7.1.1 General

Setup Channel	Record Alarm AI Network D	evice System) 04/11/2022 20:13:	24 🗙
🗢 General	General Date and Time Output C	onfiguration			
Multi-User	Device Name	D7116GR-NS-T-E			
Maintenance	Device ID	000000			
IP Camera Maintain	Language	ENGLISH V			
Information	Video Format	NTSC V			
♥ Information	Menu Timeouts	OFF V			
	Web Session Timeout (min)	1440	✓ Preview Session Timeout		
	Mode	XVR ¥			
	Audio Input Type	Coaxial Audio			
	Show wizard				
	R.				
				Default Ap	ply

Device Name: Enter the DVR name. The name can contain letters and numbers.

Device ID: Enter the DVR device ID. The device ID is used to identify the DVR and can only be made up of numbers. For example, two DVRs are installed in the same location, one of which has a device ID of 000000, and the other has a device ID of 111111. When you want to operate a DVR with the remote control, both DVRs may receive signals from the controller and act at the same time. If you only want to control the DVR with ID 111111, you can use the remote control to enter the device ID 111111 in the login page for further operation.

Language: Select the language in which you want to display the system menu. Multiple languages are available.

Video Format: Choose a video format that suits your region.

Menu Timeouts: Click the drop-down menu and select the time to exit the main menu when the DVR is idle. The system disables this function by default (password protection will be temporarily disabled)

Web Session Timeout (min): Set the time to automatically log out of the web after a period of no operation when using the wed side to log in. The system default is 5 minutes, adjustable from 5-1440minutes.

Preview/Playback Session Timeout: After enable, in the preview or playback, to avoid automatic logout of the web side.

Mode: XVR or DVR, XVR mode will allow you to add IP cameras to the DVR. If the mode is changed from XVR to DVR, all added IP cameras will be removed.

Audio Input Type: Select analog channels input audio type, select Base-band Audio, it's DVR hardware audio input interface. Select Coaxial Audio, which is analog camera audio input via BNS interface.

Show Wizard: Check this option if you want to display the startup wizard every time you open or restart a DVR.

Setup Record Alarm Al Network Device Multi-User Date and Time 04/15/2021 Ξ Maintenance IP Camera Maintain Date Format MM/DD/YYYY Information Time Formal 24Hour v Time Zone GMT+08:00 NTP Settings Enable NTP > Server Address DST Settings Enable DS1 K Time Offset 1Hour DST Mode Week Start Time The 2nd 02:00:00 Sun End Time 02:00:00

5.7.1.2 Date and Time

5.7.1.2.1Date & Time

Date: Click is to change the date.
Time: Click the time box to change the time.
Date Format: Select the preferred date format.
Time Format: Select the preferred time format.
Time Zone: Select the time zone associated with your region or city.

5.7.1.2.2NTP

The NTP (Network Time Protocol) function allows your DVR to automatically sync its clock with a time server. This gives it the ability to constantly have an accurate time setting (your DVR will periodically sync automatically).

General Date and Tin	Dutput Configuration	
Date and Time		
Date	04/15/2021	iii
Time	17:52:16	
Date Format	MM/DD/YYYY	~
Time Format	24Hour	~
Time Zone	GMT+08:00	~
NTP Settings		
Enable NTP	~	
Server Address	pool.ntp.org	~
	Update Now	

Check to enable the **NTP**, and select a **Server Address**, Click Update Now to manually sync the date & time.

Click Apply to save your settings.

When NTP function is enabled, system will update the system time at 00:07:50 per day, or

5.7.1.2.3DST

The DST (Daylight Saving Time) function allows you to select the amount of time that Daylight Saving has increased by in your time zone or region.

General Date and Time Output	It Configuration											
Date and Time	Date and Time											
Date	04/15/2021		iii									
Time	17:53:04											
Date Format	MM/DD/YYYY		~									
Time Format	24Hour		~									
Time Zone	GMT+08:00		~									
NTP Settings												
Enable NTP	×											
Server Address	pool.ntp.org		~									
	Update Now											
DST Settings												
Enable DST	~											
Time Offset	1Hour	~										
DST Mode	Week	~										
Start Time	Mar.	~	The 2nd	~	Sun.	~	02:00:00					
End Time	Nov.	~	The 1st	~	Sun.	~	02:00:00					

Enable DST: If Daylight Saving applies to your time zone or region, check this option to enable.

Time Offset: Select the amount of time that Daylight Saving has increased by in your time zone.

This refers to the difference in minutes, between Coordinated Universal Time (UTC) and the local time.

Enable DST: You can select how Daylight Saving starts and ends:

Week: Select the month, a particular day and time when Daylight Saving starts and ends. For

example, 2 a.m. on the first Sunday of a particular month.

Date: Select the start date (Click 🛗 icon) ,end date and time when Daylight Saving starts and

ends.

Start Time / End Time: Set the start time and end time for Daylight Saving.

5.7.1.3 Output Configuration

This menu allows you to configure video output parameters.

Video Output: To choose the output options:

LIVE-OUT is used to configure the main output parameters.

SPOT-OUT is an optional option to configure the VGA spot output parameters.

Setup Channel	Record Alarm Al N	etwork Device System	(04/15/2021 17	:54:02	×
• General	General Date and Time	Output Configuration	*			
Multi-User	Video Output	LIVE-OUT				
Maintenance	Seq Mode	Layout1				
IP Camera Maintain	SEQ Dwell Time					
	VGA/HDMI Resolution	4K(3840x2160)	Vautomatic recognition			
inomation	Scale And Offset	Setup				
	Cursor Hidden Delay					
	Cursor Acceleration	•				
	Transparency	•				
				Default	Apply	

Video Output drop-down select LIVE-OUT mode.

SEQ Mode: Choose the number of video channels to be displayed when the DVR is in the wheel patrol mode.

SEQ Dwell Time: Enter in seconds the maximum length of time you would like to display a video channel in sequence mode before displaying the next video channel (300 seconds is the maximum).

VGA/HDMI Resolution: Select a display resolution that is suitable for your TV. 1920 x 1080 will suit most TVs. If your DVR supports 4K output resolution, you can select either 2K (2560 x 1440) or 4K (3840 x 2160) to take advantage of the higher resolution that your 4K TV provides.

Automatic recognition: Automatically recognize the resolution, the resolution of the display of the display when it is checked after checking, prompting the appropriate resolution.

Scale And Offset: The DVR supports to adjust the size & position of the display screen to match your monitor or TV. Click Setup button to adjust.



Scale: To adjust the size of the displayed screen by scale.

X Offset: To move the displayed screen to left or right.

Y Offset: To move the displayed screen to up or down.

Click once or long press the left button of your mouse on the arrow to adjust the size and position, or you can scroll the wheel of the mouse to adjust. Click the right button of your mouse to exit, and Click **Apply** to save your modifications.

Cursor Hidden Delay: Click the drop-down menu to select the time your DVR will hide the mouse cursor when idle. You can also disable this by selecting "OFF" (password protection will be temporarily disabled).



Cursor Acceleration: To adjust the speed to move the mouse cursor.

Transparency: Click and hold the slider left or right to change how transparent the Menu Bar and Main Menu will appear on-screen. Adjust accordingly.

Setup Channel	Record Alarm Al	Network Device System		• 04/13/2022 11:38:36	×
	General Date and Tim	ne Output Configuration			
Ø Multi-User	Video Output	SPOT-OUT			
Ø Maintenance	CVBS SPOT				
IP Camera Maintain	View SetUp	Dynamic			
	Seq Mode	⊞Layout4			
	SEQ Dwell Time	30			
	Full Screen				
		Spot Poll Setting			
			k		
				Default App	ly

Video Output drop-down menu to select SPOT-OUT mode.

CVBS SPOT: Click to enable CVBS interface to output video.

View Setup: Select CVBS interface to set up display output modes, Dynamic and Static.

SEQ Mode: Select Dynamic mode to show the video channels on SEQ.

SEQ Dwell Time: Enter in seconds the maximum length of time you would like to display a video channel in sequence mode before displaying the next video channel (300 seconds is the maximum).

Full Screen: While trigger alarm to show this channel to full screen.

Spot Poll Setting: Select **Dynamic** mode to SEQ channels.

			Spot Poll	Setting			×
				×			
CH1	~	CH2		🗸 СНЗ		VCH4	
CH5		CH6		CH7			
СН9	~	CH10		CH11		CH12	
🗸 CH13	~	CH14		🗸 CH15		🗸 CH16	
	A	ll	Clear	OK	Car	ncel	
Setup Channel	Record Alarm AI Ne	ll etwork Device Syste	Clear	ОК	Car	ncel	(►) 04/13/2022 13:00:57 ×
Setup Channel General	Record Alarm Al No General Date and Time	II etwork Device Syste Output Configuration	Clear	ОК	Car	ncel	O 04/13/2022 13:00:57 X
Setup Channel General Multi-User	Record Alarm Al Ne General Date and Time Video Output	Utput Configuration	Clear	ОК	Car	ncel	• 04/13/2022 13:00:57 ×
Setup Channel General Multi-User Maintenance	Record Alarm AI No General Date and Time Video Cutput CVBS SPOT	U Device Syste Output Configuration SPOT-OUT	Clear	ОК	Car	ncel	• 04/13/2022 13:00:57 ×
Setup Channel General Multi-User Maintenance IP Camera Maintain	Record Alarm Al No General Date and Time Video Output CVBS SPOT View SetUp	atwork Device Syste Output Configuration SPOT-OUT	Clear ~ ~ ~		Car	ncel	⊙ 04/13/2022 13:00:57 ×
Setup Channel Channel General Multi-User Maintenance IP Camera Maintain Information	Record Alarm AI No General Date and Time Video Output CVBS SPOT View SetUp View Mode Full Screen	Ulture Configuration	Clear m v v Def	OK ne SEQ Setting	Car	ncel	O4/13/2022 13:00:57 X
Setup Channel General Maintenance IP Camera Maintain Information	Record Alarm AI No General Date and Time Video Output Video Cutput CVBS SPOT View SetUp View Mode Full Screen	II Device Syste Output Configuration SPOT-OUT Static IView Mode16 DEFINE SU	Clear	OK ne SEQ Setting	Car	ncel	O4/13/2022 13:00:57 ★
Setup Channel General Multi-User Maintenance IP Camera Maintain Information	Record Alarm AI No General Date and Time Video Output CVBS SPOT View SetUp View Mode Full Screen	Ulture Configuration	Clear	OK ne SEQ Setting	Car	ncel	O 4/13/2022 13:00.57 X
Setup Channel Ceneral Multi-User Multi-User Multi-User IP Camera Maintain Information	Record Alarm AI No General Date and Time Video Output CVBS SPOT View Node Full Screen	Ul Device Syste Output Configuration SPOT-OUT Static Uview Mode16 DEFINE SI	Clear m Clear CH3	OK ne SEQ Setting	Car ×	ncel	O4/13/2022 13:00.57 X
Setup Channel General Multi-User Maintenance IP Camera Maintain Information	Record Alarm AI No General Date and Time Video Output View SetUp View Mode Full Screen	II Device System Cutput Configuration SPOT-OUT Statuc View Mode16 DEFINE SU CH2 V	Clear	OK ne SEO Setting	Car X	ncel	(*) 04/13/2022 13:00:57 *
Setup Channel General Multi-User Maintenance IP Camera Maintain Information	Record Alarm AI No General Date and Time Video Output CVBS SPOT View SetUp View Mode Full Screen	Ulture Configuration	Clear	OK ne SEQ Setting	Car ×	ncel	O4/13/2022 13:00:57 X
Setup Channel Caneral Multi-User Multi-User Information IP Camera Maintain Information	Record Alarm AI No General Date and Time Video Output View SetUp View SetUp Full Screen	II Device System Output Configuration SPOT-OUT Static View Mode16 DEFINE SI CH2 ~	Clear	OK ne SEQ Setting CH4	× ×	ncel	O4/13/2022 13:00:57
Setup Channel Image: Channel of the set o	Record Alarm AI No General Date and Time Video Output CVBS SPOT View SetUp View Mode Full Screen	Ulture Configuration	Clear	OK ne SEO Setting CH4	× ×	ncel	O4/13/2022 13:00.57
Setup Channel Caneral Multi-User Multi-User Haintenance IP Camera Maintain Information	Record Alarm AI No General Date and Time Video Output View CVBS SPOT V View View SetUp Full Screen	Ul Device Syste Output Configuration SPOT-OUT Static UView Mode16 DEFINE SI CH2 V CH6 V	Clear T Clear CH3 CH3 CH7 CH11	OK ne SEQ Setting CH4 CH8	× ×	ncel	O4/13/2022 13:00:57 X
Setup Channel General Multi-User Maintenance IP Camera Maintain Information	Record Alarm AI NG General Date and Time Video Output View SetUp View Mode V Full Screen CH1 V CH5 V	Ul Device Syste Cutput Configuration SPOT-OUT State I View Model 6 DEFINE SU CH2 V CH6 V	Clear m Clear	OK ne SEO Sotting •	× ×	ncel	O4/13/2022 13:00.67
Setup Channel General Multi-User Maintenance IP Camera Maintain IP Camera Maintain Information	Record Alarm Al Nu General Date and Time Video Output Video Cutput Video Output Video SetUp Video Cutput Video Cutput Video Cutput Video Cutput Video Cutput Video Cutput Video Cutput Video Cutput Video Cutput Video Cutput Video Cutput Video Cutput Video Cutput Video Cutput Video Cutput Cutput Video Cutput Video Cutput CH1 Cutput Cutput Video Cutput Video Cutput CH1 Cutput Cutput Video Cutput Video Cutput Cutput Cutput Cutput Video Cutput Video Cutput	UI etwork Device Syste Coutput Configuration SPOT-OUT Static UView Mode16 DEFINE SI CH2 ~ CH2 ~	Clear m Clear Clear	OK ne SEQ Setting •	× ×		O4/13/2022 13:00:57 ★
Setup Channel Image: Constant setup Multi-User Multi-User Multi-User Image: Constant setup IP Constant setup Image: Constant setup Image: Constant setup Image: Constant setup <td< th=""><th>Record Alarm AI N4 General Date and Time Video Output View View SetUp View Full Screen</th><th>Ul Device Syste Cutput Configuration SPOT-OUT Statuc If View Model 6 DEFINE SI CH2 ~</th><th>Clear m Clear</th><th>OK ne SEQ Setting •</th><th>× ×</th><th></th><th>O4/13/2022 13:00:57</th></td<>	Record Alarm AI N4 General Date and Time Video Output View View SetUp View Full Screen	Ul Device Syste Cutput Configuration SPOT-OUT Statuc If View Model 6 DEFINE SI CH2 ~	Clear m Clear	OK ne SEQ Setting •	× ×		O4/13/2022 13:00:57

View Mode: Select Static mode multi-window number.

Define SEQ Setting: Select Static mode each window display.

	DEFINE SE	EQUENCE \$	SETTING		×
CH1 🗸	CH2 🗸		снз 🗸	CH4 🗸	
CH5 🗸	СН6 🗸		СН7 🗸	СН8 🗸	
040	CH10			0412	
CH9 V	СН10		CHI1 V	CH12 V	
CH13 🗸	CH14 🗸		СН15 🗸	CH16 🗸	
	Default	OK	Cancel		

5.7.2 Multi-User

Setup Channel	Record Alarm	Al Network	Device Syste	m				() 03/26	/2022 15:37:30	×
👳 General	Multi-User									
Multi-User		User Name	Level	User Enable	User Edit	Permission				
Maintenance		admin	ADMIN	Enable						
IP Camera Maintain		user1	USER1	Disable						
A 14		user2	USER2	Disable						
Information		user3	USER3	Disable						
		user4	USER4	Disable						
		user5	USER5	Disable						
		user6	USER6	Disable						
		user7	USER7	Disable						
		user8	USER8	Disable						
		user9	USER9	Disable			5			
		user10	USER10	Disable						
		user11	USER11	Disable						
		user12	USER12	Disable						
		user13	USER13	Disable						
		user14	USER14	Disable						
		user15	USER15	Disable						
		user16	USER16	Disable						
		user17	USER17	Disable						
	Default User adm	nin 🗸								
								Det	ault Appl	y

This menu allows you to configure the username, password and user permission.

The system supports the following account types:

- ADMIN System Administrator: The administrator has full control of the system, and can change both administrator and user passwords and enable/disable password protection. (It won't be allowed to change administrator name.)
- USER Normal User: Users only have access to live viewing, search, playback, and other functions. You may set up multiple user accounts with varying levels of access to the system. (8.2.2 version and above support maximum31 normal user account.
- **Default User**: Default account, the user which default to login when DVR start up.

5.7.2.1 Changing Password and Single User Number

To change the password for the administrator or user accounts, click the User Edit icon password must be a minimum of 8 characters and can contain a mixture of numbers and letters. Enter your new password again to confirm, and then click **Save** to save your new password. You will be required to input your old password to authenticate.

	User Edit		×		Authentication	×
Level	ADMIN					
User Name						
Password Strength				User admin		
Password				Password	Show Password	
Confirm				۲.		
Unlock Pattern Enable	Enable V	🛃 Draw				
Number of single user logins						
	Default	Save	Cancel		Authenticate C	Cancel

5.7.2.2 Add New Users

Multi-User						
No.	User Name	Level	User Enable	User Edit	Permission	
1	admin	ADMIN	Enable			
2	user1	USER1	Enable			
3	user2	USER2	Disable	P		
4	user3	USER3	Disable		0	
5	user4	USER4	Disable		0	
6	user5	USER5	Disable		0	
7	user6	USER6	Disable		٢	
Default User adr	min 🗸	•				

1. Select one of the user accounts that is currently disabled, Click the User Edit icon \mathbf{b} .

	User Edit			>	×
Level	USER1				
User Enable	Enable	~			
User Name	user1				
Password Strength			Medium		
Password	•••••	Þ			
Confirm	•••••	Þ			
Number of single user logins	3			*	
		Default	Save	Cancel	

- 2. Select Enable from the drop-down next to User Enable.
- 3. Click the field next to User Name to change the user name for the account.



- 4. Select Enable from the drop-down next to Password Enable.
- 5. Click the field next to **Password** to enter the desired password.
- 6. Click the field next to **Confirm** to reenter the password.
- 7. Click Number of single user logins to set single user logins.
- 8. Click Save. You will be required to input your Admin password to authenticate.

5.7.2.3 Setting User Permissions

The administrator account is the only account that has full control of all system functions. You can enable or disable access to certain menus and functions of each user account.

Setup Channel	Record Alarm	Al Network	Device System				05/08/2021 11:	17:28 🗙
General	Multi-User							
Multi-User	No.	User Name	Level	User Enable	User Edit	Permission		
Maintenance		admin	ADMIN	Enable				
IP Camera Maintain		user1	USER1	Enable		0		
Information		user2	USER2	Disable		۲		
		user3	USER3	Disable		0		
		user4	USER4	Disable		0		
		user5	USER5	Disable		0		
		user6	USER6	Disable		٢		
	Default User admin							
							Default	Apply

1. Click the edit icon 🙆 under Permission tab

Setup Channel	Record Alarm	AI Network Device	System				O 04/11/2022 20:14:14	× ×
In the second	Multi-User							
Multi-User	No.		User P	ermission		Х		
Maintenance		User Name	user1					
		Log Search	Parameter	Auto Reboot	Manual Record			
 P Camera Maintain 		Disk	Remote Login	SEQ Control	Manual Capture			
Information		Audio	Database Management	License Plate Manage	ment			
		Backup						
		Analog Channels 1	2 3 4 5 6 7 8 9 1	0 11 12 13 14 15 16				
		IP Camera 1	2 3 4 5 6 7 8 9 1	0 11 12 13 14 15 16				
		Analog Channels	2 2 4 5 6 7 9 9 4	0 11 12 12 14 15 16				
		✓ IP Camera	2 3 4 5 6 7 8 9 1	0 11 12 13 14 15 16				
		Playback						
		Analog Channels 1	2 3 4 5 6 7 8 9 1	0 11 12 13 14 15 16				
		PCamera 1	2 3 4 5 6 7 8 9 1	0 11 12 13 14 15 16				
×.	14	Analog Channels 1	234567891	0 11 12 13 14 15 16				
		IP Camera	2 3 4 5 6 7 8 9 1	0 11 12 13 14 15 16				
				Clear	Save Cancel			
	Default User ad							
							Default App	y

- 2. Check the boxes next to any system menus or capabilities you would like the user to access. Click **All** to check all boxes. Click **Clear** to check none of the boxes.
- 3. There is the following permissions to choose from:

- Log search: To see all of logs;
- > Parameter: To set up all of pages parameters;
- Maintenance: Operation System version update, load to default settings, device reboot, device shut down, etc.

- Manual Record: Manually start the video and stop the video manually.
- Disk: Control and mange HDD and U-disk;
- Remote Login: Whether have permission to visit DVR remotely.
- > **SEQ Control**: View the real -time preview of all channels.
- Manual capture: Manually start the grabbing and can stop the video manually.
- > Audio: Control channel audio and intercom.
- > Database Management: Whether it can be operated on the AI database
- > License Plate Management: Whether it can be operated on the License Plate database
- **Backup**: After the enable box " $\sqrt{}$ " in front of "backup" and select-able channels, ordinary users have the permissions of the selected channel video.
- > Live: After the enable box " $\sqrt{}$ " in front of "Preview" and the passage that can be viewed, the ordinary users have the permissions of the real -time preview of the selected channel.
- > **Playback**: After the enable box " $\sqrt{}$ " in front of "video playback" and the selected channel that can be viewed, ordinary users have the permissions of the selected channel video.
- ▶ **PTZ:** After the enable box " $\sqrt{}$ " in front of "PTZ" and select-able channels, ordinary users have the permissions of PTZ operations.
- 4. Click Save button to apply your modifications.

5.7.3 Maintenance

In this section, you will be able to search & view the system log, load default settings, upgrade the system, export & import system parameters and manager system auto reboot.

Setup Channel	Record Alarm Al Network Device	System			(04/07/2022 14:24:24	4 ×
General	Log Load Default Reset Settings Upgr	ade Parameter Management ,	Auto Reboot Developer Mode				
Multi-User	Start Date 04/07/2022	Start Time 0	0:00:00				
Maintenance	End Date 04/07/2022	End Time 2	3:59:59				
B. Camera Maintain	Log Type All			Search			
	Channel Type	TIME		Access Source	RECORD	Playback	
Information							
			×				
						Back	

5.7.3.1 Log

The system log shows you important system events, such as motion alarms and system warnings. You can easily create a backup file of the system log for a set time period to a USB flash drive.

Setup Channel	Record Alarr	n Al Network Devic	e System				() 04/07/2022 14:29:31	×
🕆 General	Log Load D	Default Reset Settings Up	ograde Parameter Management Au	to Reboot Developer Mode				
Multi-User	Start Date 04/07	7/2022	Start Time 00:	00:00				
Maintenance	End Date 04/07	7/2022	End Time 23:	59:59				
• Maintonanoe	Log Type All				Search			
IP Camera Maintain	Channel	Туре	TIME		Access Source	RECORD	Playback	
Information	CH5	Alarm	04/07/2022 05:49:11	PD Start	R	Yes		
	CH5	Human & Vehicle	[04/07/2022] 05:48:59 - 05:49:01	Human		Yes		
	CH5	Alarm	04/07/2022 05:49:38	PD End		Yes		
	CH5	Alarm	04/07/2022 07:12:39	PD Start		Yes		
	CH5	Human & Vehicle	[04/07/2022] 07:12:25 - 07:12:28	Human		Yes		
	CH5	Human & Vehicle	[04/07/2022] 07:12:27 - 07:12:29	Human		Yes		
	CH5	Alarm	04/07/2022 07:13:10	PD End		Yes		
	CH5	Alarm	04/07/2022 07:15:17	PD Start		Yes		
	CH5	Human & Vehicle	[04/07/2022] 07:15:03 - 07:15:06	Human		Yes		
	CH5	Alarm	04/07/2022 07:15:44	PD End		Yes		
	CH5	Alarm	04/07/2022 07:24:05	Motion End		Yes		
	CH5	Alarm	04/07/2022 07:24:20	Motion Start		Yes		
	CH5	Human & Vehicle	[04/07/2022] 07:24:07 - 07:24:09	Human		Yes		
	CH5	Alarm	04/07/2022 07:24:22	PD Start		Yes		
	CH5	Alarm	04/07/2022 07:24:48	Motion End		Yes		
							I< < 1 /155	
							Backu	ıp

Log search and backup:

- 1. Click the field next to **Start Date & Start Time** to choose the starting date & time for your search from the on-screen calendar.
- 2. Click the field next to End Date & End Time to choose the end date & time for your search from the on-screen calendar.
- 3. Select the type of events you would like to search for from the drop-down next to Log Type, or select All to see the entire system log for the selected time period.

System: system setting, reboot, auto reboot, upgrade, time modify and NTP.

Configuration: IPC preview control, Privacy areas settings, recording mode settings, recording plan settings, main code flow settings, network settings, sub -code stream settings, email settings, color settings, mobile detection settings, hard disk settings, multi -user settings, NTP settings, image control, mobile, mobile Code flow settings, RTSP settings, IP filter settings, system restoration of factory settings, audio settings, video blocking alarm settings, export settings and import settings.

Alarm: Motion start, Motion end, IO start, IO end, PID start, PID end, LCD start, LCD end, SOD start, SOD end, PD&VD start, PD&VD end, FD start, FD end, CC start, CC end, CD start, CD end, QD start, QD end, Sound Detection start, Sound Detection end.

Account: Login, logout and switch users.

Recording: Search, playback and records backup.



Storage: Format HDD, HDD Full and HDD error.

Network: Network down, Network up, Network error and Network mode changes

- 4. Search
- 5. Browse the system log from the time period:
- Click Playback to playback the event.
- Using menu right down K < / > > button to switch different pages.
- 6. Click **Backup** to create system log backup. Make sure your u disk is connected to DVR USB port.
- 7. Show backup drive menu, lead to backup folder, and click **OK** button to start.

5.7.3.2 Load Default

Reset the DVR settings to its out-of-box state. You can choose to reset all settings at once, or just settings on specific menus. Restoring default settings will not delete recordings and snapshots saved to the hard drive.



Check the items you want restore, or check **Select All** to choose all items. Click **Apply** to load default settings of your chosen items.



5.7.3.3 Reset Settings



Format HDD: Set up to format HDD when make setting to default.



5.7.3.4 Upgrade

5.7.3.4.1 U disk file upgrade

Setup Channel	Record Alarm Al Netwo	Record Alarm Al Network Device System										
👳 General	Log Load Default Reset Se	ttings Upgrade Parameter Management Auto Reboot	Developer Mode									
Multi-User		Update		×								
A MARKEN	Driver List:		i≣ ➤ ← 🙀 🛍									
♥ Maintenance	👱 USB1-1	Name		Last Modify								
IP Camera Maintain	Online U	1 图片		12/17/2021 14:25:42								
Information	t i	音频		12/17/2021 14:25:46								
		.ash_history	1.341KB	03/24/2022 08:00:12								
			25.727KB	03/23/2022 15:23:54								
		≣ BOOTEX.LOG	1.223KB	01/12/2022 15:46:14								
		DEVICE_Settings	29.173KB	03/17/2022 06:56:06								
		E N73XX_V220322V220316V220316V220401V220	93.789MB	04/01/2022 19:33:26								
		F N7508-TC_V220124V220110V220124V220316V	69.944MB	03/16/2022 17:17:36								
		■ N7XXX_V220328V220110V220128V220401V220	68.720MB	04/01/2022 21:51:28								
		VMS Pro_P2P_2.6.95_2022_01_14.dmg	105.675MB	01/19/2022 16:00:16								
		dump_rfs_rk_buildroot	407.227KB	03/11/2022 13:57:52								
		≡ ipv6addr.txt	61.000B	03/22/2022 01:55:36								
		≡ ipv6gateway.txt	73.000B	03/22/2022 01:55:36								
		≡ resolv	63.000B	03/11/2022 07:21:10								
		≡ resolv.conf	63.000B	03/21/2022 00:50:58								
			2.178MB	03/24/2022 10:10:34								
	Remain:/Total: 21.594GB/28.856GB	Selected File: N7XXX_V220328V220110V220128V220401	/220401V220401V22	20328V220328_W.sw								
	Format	Refresh finished !		OK Cancel								
					Apply							

- 1. Copy the firmware file (.sw file) to your USB drive, and insert the USB flash drive into the DVR's USB port.
- 2. Click Select File button to choose the firmware file in your USB flash drive, then Click OK.
- 3. Click **Upgrade** button to start system upgrade. The system upgrade will last around 5-10 minutes, please do NOT power off the DVR or remove the USB from DVR during firmware upgrade.

Note: You can optionally upgrade firmware using **UVS Device Utility.** See *Chapter 5 Upgrading Firmware* in *UA-XVR1620 Quick Start Guide.*

5.7.3.4.2 Upgrade

Setup Channel	Record Alarm Al Network Device System	(b) 04/07/2022 14:27:56
General	Log Load Default Reset Settings Upgrade Parameter Management Auto Reboot Developer Mode	
Hulti-User	Solori Elio	
Maintenance		
👳 IP Camera Maintain	Online Upgrade	
Information	✓ Automatic Detection	
	Detect Upgrade	
	Upgrade	
	k	
	There is a newer tirmware available to upgrade, would you like to upgrade now?	
	Yes No	
		Apply

After uploading the upgrade firmware to the server path completely, click **Detect** button to detect online upgrade file manually. Turn on **Automatic Detection**---Detect the upgrade file automatically.

- 1. When turn on automatic detection, the DVR will check whether it's maintenance reboot while power on. If so, pass to detect there is new firmware package. (Judgment method: The system current time is 30 minute later than the auto reboot maintenance time setting.) If it's not reboot because maintenance, the detection will be running after 5minute later. While there is new firmware, the upgrade bar will show "There are new firmware available", the user Click this channel upgrade, it'll download firmware.
- 2. Turn on Automatic Detection, it'll detect whether there are new firmware periodicity. If so, the upgrade page will show "There are new firmware available", the user click this channel upgrade, it'll download firmware. The detection cycle is the random time after reboot period time 18~23 hours(including the maintenance, the unit is second). This cycle is from the device power on randomly and won't change this detect cycle until the device power off.
- 3. During the system running, the user can Click **Detect** to check whether there is new firmware. After clicking, it'll be a box prompt is detecting, after the detection is complete, the status bar display the result.

Note: Detect manually won't influence the detection cycle.

 Automatic Detection --- From turn on to turn off, the detection cycle will stop. Automatic Detection --- From turn off to turn on, the detection cycle will start. The detection cycle is randomly in this time point 18~23hours later. After turning on the button, the detection will start 1 minute delay.



Note:

- 1. If during this minute, the user turns off the menu again, it'll stop counting and won't detection any more until turn on this function again.
- 2. The neutral program does not currently support FTP online upgrades.

5.7.3.5 Parameter Management

You can export the main menu settings you have configured to a USB flash drive, or import an exported setting file from USB flash drive to the DVR.

Setup Channel	Record Alarm Al Network Device System	04/07/2022 14:30:26	\times
Interval	Log Load Default Reset Settings Upgrade Parameter Management Auto Reboot Developer Mode		
Multi-User	Save Settings Load Settings		
• Maintenance	k		
IP Camera Maintain			
Information			

Save Settings: Click to save the DVR current system settings to the USB device. You will be required to input the Admin password to authenticate.

Load Settings: Once you have created a system settings export, you can import the settings on another DVR. Click **Load Settings** button to navigate to the system settings file you want to import from your USB flash driver. You will be required to input the Admin password to authenticate.



5.7.3.5 Maintenance

This menu allows the system to auto reboot the DVR regularly. It is recommended to leave this function enabled, as it maintains the operational integrity of your DVR.



Auto Reboot: Check to enable.

Time: You can set the DVR to reboot by day, week or month.



5.7.3.6 Developer Mode

Setup Channel	Record Alarm Al Network Device System	(b) 03/26/2022 15:38:02	×
General	Log Load Default Reset Settings Upgrade Parameter Management Auto Reboot Developer Mode		
Multi-User	Teinet 💟		
• Maintenance	Debug information Output To Terminal		
IP Camera Maintain	Shut Off Output To Terminal Output To Disk		
Information	Export debug information Delete debug information		

Only some devices support. This menu can save the serial port log to the USB flash disk.

Telnet: Enable it, can use Telnet to login device
Debug information: Select log save position
Shut Off: Don't save serial logs
Output To Terminal: Output serial logs to terminal
Output To Disk: Save serial logs to HDD.
Export debug information: Export serial logs to u disk drive.
Delete debug information: Delete collect serial logs.

5.7.4 IP Camera Maintain

This menu allows you to upgrade the IP camera's firmware and restore default settings of IP camera.

5.7.4.1 Upgrade IP Camera

Setup Channel	Record Alarm Al	Network D	evice System				• 04/11/2022 20:15:29	\times
Interval General	Upgrade Load Defau	It Reboot IP	C Parameter Manager	ment Format IPC				
Multi-User		Channel	IP Address	State	Software Version	Upgrade		
Maintenance		IP CH1	172.20.56.35	On-line	V6.21.5.2_210624			
IP Camera Maintain		IP CH2	172.20.56.29	On-line	V26.34.8.2.2_220402			
		IP CH5	172.20.56.55	On-line	V25.11.8.2.2_220124			
Information		IP CH6	172.20.56.54	On-line	V21.45.8.2.2_220219			
		IP CH7	172.20.56.47	On-line	V18.25.8.2.2_220223			
		IP CH8	172.20.64.45	On-line	V4.41.5.2_200301			
	Select File				4 b			

- 1. Choose one of the IP cameras you want to upgrade firmware
- 2. Click Select File select the update file from your USB flash drive, then Click OK.
- 1. Click IPC Upgrade button to start upgrading. You will be required to input the Admin password to authenticate. Please do NOT power off the DVR and IP camera or remove the USB during the upgrading.

Auto Upgrade: Some IPC supports upgrading using the upgrade package in FTP. You only need to open FTP in the IE menu of IPC. Then upload the upgrade package to upgrade IPC FTP on DVR. Select **Enable / Disable** to enable or disable the feature.

Automatic Detection: Automatically detect upgrades. Check whether there is the latest upgrade package in the FTP server at regular intervals and when starting up. If yes, you will be prompted whether to upgrade please view <u>5.7.3.4.2 Upgrade</u>). If yes, you will be prompted whether to upgrade Enable/Disable this function.

Detect: Manually check for the latest upgrade package.

Upgrade: If the latest upgrade package is detected, Click to upgrade.

5.7.4.2 Load Default Settings for IP Camera

Setup Channel	Record Alarm Al	Network Device	System			• 04/11/2022 20:15:47	×
© General	Upgrade Load Defau	It Reboot IPC Par	ameter Management	Format IPC			
Multi-User		Channel	IP Address	State	Software Version		
Maintenance		IP CH1	172.20.56.35	On-line	V6.21.5.2_210624		
A 100 11111		IP CH2	172.20.56.29	On-line	V26.34.8.2.2_220402		
IP Camera Maintain		IP CH3	172.20.56.33	On-line	V1.0.0.B0001701010103_220331		
Information		IP CH4	172.20.56.38	On-line	V1.0.0.B0001701010103_220331		
		IP CH5	172.20.56.55	On-line	V25.11.8.2.2_220124		
		IP CH6	172.20.56.54	On-line	V21.45.8.2.2_220219		
		IP CH7	172.20.56.47	On-line	V18.25.8.2.2_220223		
		IP CH8	172.20.64.45	On-line	V4.41.5.2_200301		
	k						
	Load Default						

- 1. Choose the IP cameras you want to restore.
- 2. Click Load Default to restore settings. You will be required to input the Admin password to authenticate.



5.7.4.3 Reboot IPC

Setup Channel	Record Alarm Al	Network Device	System			04/11/2022 20:16:01	×
Interval	Upgrade Load Defau	It Reboot IPC Para	ameter Management F	ormat IPC			
Multi-User		Channel	IP Address	State	Software Version		
Ø Maintenance		IP CH1	172.20.56.35	On-line	V6.21.5.2_210624		
		IP CH2	172.20.56.29	On-line	V26.34.8.2.2_220402		
IP Camera Maintain		IP CH3	172.20.56.33	On-line	V1.0.0.B0001701010103_220331		
Information		IP CH4	172.20.56.38	On-line	V1.0.0.B0001701010103_220331		
		IP CH5	172.20.56.55	On-line	V25.11.8.2.2_220124		
		IP CH6	172.20.56.54	On-line	V21.45.8.2.2_220219		
		IP CH7	172.20.56.47	On-line	V18.25.8.2.2_220223		
		IP CH8	172.20.64.45	On-line	V4.41.5.2_200301		
	*						

You can restart IPC in this menu. Check IPC and Click reboot IPC.

5.7.4.4 IPC Parameter Management

Setup Channel	Record Alarm Al	Network Device	System			(b) 04/11/2022 20:16:12	\times
In the second	Upgrade Load Defau	It Reboot IPC Par	ameter Management	Format IPC			
Multi-User		Channel	IP Address	State	Software Version		
 Maintenance 		IP CH1	172.20.56.35	On-line	V6.21.5.2_210624		
 Maintenance 		IP CH2	172.20.56.29	On-line	V26.34.8.2.2_220402		
IP Camera Maintain		IP CH5	172.20.56.55	On-line	V25.11.8.2.2_220124		
Information		IP CH6	172.20.56.54	On-line	V21.45.8.2.2_220219		
		IP CH7	172.20.56.47	On-line	V18.25.8.2.2_220223		
		IP CH8	172.20.64.45	On-line	V4.41.5.2_200301		
	×						
	Save Settings	Load Settings					



Export parameters, check IPC, Click Save settings, and the USB flash disk path will pop up. After selecting the path, Click OK to export IPC to USB flash disk; Check IPC and click load settings to import parameter files from USB flash disk into the IPC.

5.7.4.5 Format IPC

🞯 Se	etup Channel	Record Alarm	AI Network	Device Syste	m					04/11/2022 20:16 :	24 X
© General		Upgrade Load	Default Reboot	IPC Parameter	Management Fo	ormat IPC					
Multi-Us	ser		Channel	IP Address	Serial No.	Туре	State	Free/Total	Free Time	Format	
Ø Mainten	nance		IP CH2	172.20.56.29	SD0	RW	FULL	0M/14G	0s/8Hour		
• IP Came											
Information	ation										
						r					

This function can detect SD memory card connected to an IPC with the API protocol, and Click Format's SD card for the IPC that can be formatted.

5.7.5 System Information

This menu allows you to view the system information, channel information, record information & network status.

5.7.5.1 Information

View system information such as device ID, device model name, IP address, MAC address, firmware version and more.


Setup Channel	Record	I Alarm Al Network Devic	e System	() 04/11/2022 20:16:43	×
In the second	Infor	mation Channel Information Reco	ord Info Network State		
Multi-User		Device ID	000000		
Maintenance		Device Name	D7116GR-NS-T-E		
IP Camera Maintain		Device Type			
Information		Hardware Version	DM-446		
♥ information		Software Version	V8.2.2-20220330-0411		
		IE Client Version	V1.2.1.26		
		Video Format			
		HDD Volume	5589G		
		IP Address	172.20.56.62		
		IPv6 Address	fe80::223:63ff;fe94:a6c4 / 64		
	^	Http/Https/RTSP	80,80		
		Client	9000,9000		
		MAC Address	00-23-63-94-A6-C4		
		Network State	Connect success		
		P2P ID	Y3NGA7GHJ668Y247111A		

If your DVR supports P2P function, you will find the P2P ID & P2P QR code in the information page. You can scan this QR cord with mobile app to remote view the DVR.

5.7.5.2 Channel Information

Setup Channel	Record Alarm	Al Network Device System				() 04/11/202	2 20:15:10
Ø General	Information	Channel Information Record Info Netwo	ork State				
Multi-User	Channel	Alias	State	Mainstream	Substream	Mobilestream	Motion Detection
Ø Maintenance		cover123-CH1	Enable	3840x2160, 10Fps, 6Mbps	704x 480, 10Fps, 512Kbps	Nonsupport	Support
IP Camera Maintain	CH2	CH2I@!%#%#^\$&^s3da1s435as35ds1	Enable	3840x2160, 10Fps, 6Mbps	704x 480, 10Fps, 512Kbps	Nonsupport	Support
		CH3sdfa;lsfk!@^%o2112	Enable	3840x2160, 10Fps, 6Mbps	704x 480, 10Fps, 512Kbps	Nonsupport	Support
	CH4	CH4adsnjajkl75545	Enable	3840x2160, 10Fps, 6Mbps	704x 480, 10Fps, 512Kbps	Nonsupport	Support
	CH5	CH5adsajdkhndhasd1322	Enable	3840x2160, 10Fps, 6Mbps	704x 480, 10Fps, 512Kbps	Nonsupport	Support
	CH6	CH6	Enable	3840x2160, 10Fps, 6Mbps	704x 480, 10Fps, 512Kbps	Nonsupport	Support
			Enable	3840x2160, 10Fps, 6Mbps	704x 480, 10Fps, 512Kbps	Nonsupport	Support
	CH8	CH8	Enable	3840x2160, 10Fps, 6Mbps	704x 480, 10Fps, 512Kbps	Nonsupport	Support
			Enable	3840x2160, 10Fps, 6Mbps	704x 480, 10Fps, 512Kbps	Nonsupport	Support
	CH10	CH10	Enable	3840x2160, 10Fps, 6Mbps	704x 480, 10Fps, 512Kbps	Nonsupport	Support
			Enable	3840x2160, 10Fps, 6Mbps	704x 480, 10Fps, 512Kbps	Nonsupport	Support
	CH12	CH12	Enable	3840x2160, 10Fps, 6Mbps	704x 480, 10Fps, 512Kbps	Nonsupport	Support
			Enable	3840x2160, 10Fps, 6Mbps	704x 480, 10Fps, 512Kbps	Nonsupport	Support
	CH14	CH14	Enable	3840x2160, 10Fps, 6Mbps	704x 480, 10Fps, 512Kbps	Nonsupport	Support
			Enable	3840x2160, 10Fps, 6Mbps	704x 480, 10Fps, 512Kbps	Nonsupport	Support
	CH16	CH16	Enable	3840x2160, 10Fps, 6Mbps	704x 480, 10Fps, 512Kbps	Nonsupport	Support
	IP CH1	IP CH1	On-line	2592x1944, 14Fps, 5Mbps	640x 480, 15Fps, 4Mbps	Nonsupport	Support
	IP CH2	IP CH2	On-line	3840x2160, 16Fps, 4Mbps	1280x 720, 20Fps, 4Mbps	640x 480, 20Fps, 1.5Mbps	Support
	IP CH3	IP CH3	On-line	2560x1440, 25Fps, 2Mbps	640x 480, 10Fps, 512Kbps	Nonsupport	Support

View channel information for each connected camera such as alias, mainstream and substream recording specifications, motion detection status & privacy zone.

5.7.5.3 Record Information

Setup Channel	R	ecord Alarn	n Al Netwo	ork Device	System				04/11/2022 20:17:15	×
Ø General		Information	Channel Informa	tion Record Ir	Network S	ate				
Ø Multi-User		Channel	Record State	Record Switch	Stream Type	Resolution	FPS	Bitrate		
Ø Maintenance			ON	Enable	DualStream	3840x2160 704x480	10Fps 10Fps	6Mbps 512Kbps		
IP Camera Maintain		CH2	ON	Enable	DualStream	3840x2160 704x480	10Fps 10Fps	6Mbps 512Kbps		
Information				Enable	DualStream	3840x2160 704x480	10Fps 10Fps	6Mbps 512Kbps		
• information		CH4	ON	Enable	DualStream	3840x2160 704x480	10Fps 10Fps	6Mbps 512Kbps		
		CH5		Enable	DualStream	3840x2160 704x480	10Fps 10Fps	6Mbps 512Kbps		
		CH6	ON	Enable	DualStream	3840x2160 704x480	10Fps 10Fps	6Mbps 512Kbps		
				Enable	DualStream	3840x2160 704x480	10Fps 10Fps	6Mbps 512Kbps		
		CH8	ON	Enable	DualStream	3840x2160 704x480	10Fps 10Fps	6Mbps 512Kbps		
	×			Enable	DualStream	3840x2160 704x480	10Fps 10Fps	6Mbps 512Kbps		
		CH10	ON	Enable	DualStream	3840x2160 704x480	10Fps 10Fps	6Mbps 512Kbps		
				Enable	DualStream	3840x2160 704x480	10Fps 10Fps	6Mbps 512Kbps		
		CH12	ON	Enable	DualStream	3840x2160 704x480	10Fps 10Fps	6Mbps 512Kbps		
				Enable	DualStream	3840x2160 704x480	10Fps 10Fps	6Mbps 512Kbps		
		CH14	ON	Enable	DualStream	3840x2160 704x480	10Fps 10Fps	6Mbps 512Kbps		
				Enable	DualStream	3840x2160 704x480	10Fps 10Fps	6Mbps 512Kbps		
		CH16	ON	Enable	DualStream	3840x2160 704x480	10Fps 10Fps	6Mbps 512Kbps		
		IP CH1		Enable	DualStream	2592x1944 640x480	14Fps 15Fps	5Mbps 4Mbps		
		IP CH2	ON	Enable	DualStream	3840x2160 1280x720	16Fps 20Fps	4Mbps 4Mbps		
		IP CH3		Enable	DualStream	2560x1440 640x480	25Fps 10Fps	2Mbps 512Kbps		
		IP CH4		Enable	DualStream	2560x1440 640x480	25Fps 10Fps	2Mbps 512Kbps		

View recording information for each connected camera such as bitrate, stream type, recording resolution and frame rate (FPS).

5.7.5.4 Network State

Setup Channel F	Record Alarm Al Network	Device System	04/11/2022 20:17:26	×
Image: General Ima	Information Channel Information	Record Info Network State		
Multi-User	Attribute	Value		
	WAN			
Maintenance	ID Address	170 00 56 60		
 ID Comera Maintain 	IF Address	172.20.30.02 DEE DEE DEE D		
	Gatoway	170 20 56 1		
• Information	MAC Address	00.02.62.04.46.04		
	IDue Address	00-23-03- 3 4-A0-04		
	IPv6 Address	1eou223.0511.1e34.40047.04		
	PHCP	Enable		
	DHCP	Enable 470.49.4.000		
	DNG2	172.10.1.222		
	UNS2	8.8.8.8		
	PPPOE	Disable		
	Port	00 00 leasting Disable		
	Http:/Https/KTSP	80,80,Inactive,Disable		
	Client	9000,9000,Inactive,Disable		
	Total Band Width:	128Mbps		
	Used Band Width:	55.5Mbps		

View network information.



Total Band Width: It shows the DVR's total input band width for IP cameras. **Used Band Width:** It shows the used band width of IP cameras.

Chapter 6 AI Scenario

Al scenario application function you real view of the face attendance, more intuitive and convenient to view the real situation.

6.1 Face attendance

Face attendance screen, which can record face attendance in real time and check the attendance results in real time.



- 1. Interface theme of face attendance.
- 2. Click to enter the playback face attendance search interface, and select the face pictures in the face group by default.

Q Search General Events Sub-periods	Smart Tag External File Picture Silce Al	○ 05/12/2021 13:38:44 X
Face Human & Vehicle PID & LCD Repeat Visitors Fa	On Duity Time ps 30 00 Off Duity Time 17:30:00 Refresh	Export Send Email
Charmers Select Mode By Group ♥ U₂ Date Day Week Month Custom Today.	No. Name Group Detail Late Leave Early Absence	
05/12/2021 🛗 05/12/2021 🛗		
Working Days Sun. ✓ Mon. ✓ Tue. ✓ Wed. ✓ Thu. ✓ Fri. Sat.		
a o		
Image: Select All K < 1	√ Normal → Late ←	- Leave Early O Absence
Search		
00:00:00 00:00:00	00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19	20 21 22 23 24

3. Click to enter the setup interface.

 Setup
 X

 Channel
 Channels ...

 Group
 Groups ...

 GUI Theme
 Company

 On Duty Time
 08:30:00

 Off Duty Time
 17:30:00

 Email Configuration
 Image: Company

 Apply
 Apply

Channels: Channel selection

Groups: Select the faces of those face database for attendance, and Click ⁽²⁾ to pop up to the AI face database Settings interface.

Company			ପ ଡ			- 17				
12.24				Datab	ase Management				×	
13.24	Import Database	Backup Database	Update facial feature	5						
СНЗ		Group Name					Edit	Enable		
	1 📃 Allow List							×		
	2 Block List						Ľ	×		
	3 Stranger						50.	× ×		
	5 Group 0						C	×		
	6 📕 Group 6							>		
Allow List R 271										
									Apply	
										There are a second second

GUI Theme: Main interface diagram On Duty Time: Set up the duty time Off Duty Time: Set up the off duty time

Email Configuration: Send face email configuration, click 🙆 to send face attendance result

email configuration.						
	En	nail Conf	iguratio	on		×
Enable	×					
Send Email	08:30:00		٢			
Mode	Month	~	1	~		
	All					
Working Days	Sun.	🔽 Mon		VTue.	Ved.	
	🔽 Thu.	🗹 Fri.		Sat.		
				Default	Apply	

Enable: Turn on email to send face attendance results (the attendance result is a form file)

USAUision®

Send Email: Set the time of sending the face attendance result email, Click the pop-up system email setting interface on the right side 3 to configure the system email. Please view <u>5.5.3.1</u> <u>Email Configuration</u>.

	E	mail Configuration				×
Email						
Encryption			~			
SMTP Port	00025					
SMTP Server						
User Name						
Password				Sh	ow Password	
Sender						
Receiver 1						
Receiver 2						
Receiver 3						
Interval	3 Min		<			
			Det	fault	Apply	



Mode	Day	~

Week: Send once a week, you can choose the week to send sent face attendance results for the email time forward a week. For example:

When an email is sent on Monday, the attendance record is sent on last Monday and last Sunday. When sending an email on Tuesday, the attendance record is last Tuesday to Monday.

Mode	Week	~	Mon.	~

Month: Send once a month, you can choose the day of each month to send the sent face attendance results for sending the email time pushed one month forward. For example: When an email is sent on the 10th of each month, the attendance record is sent from the 10th of last month to the 9th of this month.



if the email is sent on May 10th, the attendance record sent is the attendance record from April
10th to May 9th.
Working Days: Select a working day, check All, every day is a weekday
Apply: Click Apply to save the settings
Default: Send attendance Mail Settings Recovery default
1. Displays the current date and time
2. Current total number of people attendance situation
X Total number of attendance required
Total number of altendance required
0
Number of attendances
0

No attendance

1. The attendance status of each face group

2.	Channel has image, selected	Channels to choose channel	
3.	Select the number of graph window	s, single window , two windows , four	

windows	

- 4. Face real-time attendance push, display attendance face picture, name, from the group name, work attendance time and off-work attendance time.
- 5. The interface also displays the maximum number of face attendance pushes with 1 \square , 6

Ħ		12	
	, and 12	_	

6.2 Cross Counting

This is an AI application based on cross-count functions that helps control the attendance of customers / visitors / vehicles in public places such as restaurants, parks, zoos, theaters, museums, and parking lots.

6.2.1 Channel

Count and view real-time results through a single camera. Mainly used for small places with single entrances and exits.



1. Channel drawing and real-time line crossing statistical data, the drawing \checkmark channel car



selected in Channels;



Inside: Current existing quantity in the control area Enter: Number of recorded entries Exit: Number of departures recorded

- 2. Select the number of drawing windows, four windows , six windows , nine windows ; click display / hide the statistics under the channel; click to clear the current selected channel statistics. Click to clear all the channel statistics.
 3. Real-time count data information, click to display the total statistics on the full screen.
- 4. Data and exit information of each channel in each time period.

6.2.2 Group

Statistics and view real-time results by group. It is mainly used in large places with multi-channel entrances and is monitored by multi-channel cameras.



- 1. Group can select the displayed group information displayed, Live displays the channel preview screen and statistics, and Map shows the map information;
- 2. Channel drawing and real-time line crossing statistical data, select in **Group** to select each group drawing channel;



Enter: Number of recorded entries

	Exit: Number of departures recorded
3.	Select the number of drawing windows, four windows
	windows; click display / hide the statistics under the channel; click to clear the
	current selected channel statistics. Click to clear all the channel statistics.
4.	Real-time count data information, click 🖵 to display the total statistics on the full screen.
	Available: Number of remaining allowed Inside: Current existing quantity in the control area
5.	Data and entry and exit information of each group and each time period.
(Gra	aph 2)
6.	Map information configuration, click I to add a map picture, click to set the position of

the IPC schematic map on the map, click is to display the map information and the Cross -Counting statistics of the current group in the full screen



6.2.3 Search



Search for channels and groups separately. Select the channel or group that you want to search for, set the search duration by day, week, month, or year, and select the type of target that you want to search for. Click the search icon and the results appear on the right side of the window.

6.2.4 Setup

₽	Image Configuration													
2 る	Advertise Mode 💙 SEQ Dwell Time 3	Keep Aspect Ratio 🔽	1				Describe: Set t advertising pict advertising pol	he adve ture is s ling tim	ertising picture, whether the stretched or not, and the e					
9	Channel	2												
	Channel	Enab	ole 🗸	Capacity	Setup		Alarm							
	IP CH1			10										
	IP CH2													
	IP CH3		10	۲		۲								
	IP CH4			10										
	IP CH5		10	٥		٢								
	IP CH6			10										
	IP CH7			10	٢	٥	۲							
	IP CH8		~	10	۲		0							
	Group	3												
	Group	Add IP Camera	Enable 🗸	Capacity	Start Time	End Time	Туре		Alarm					
	Group 1	P		10	00:00:00	23:59:59	Person							
	Group 2			10	00:00:00	23:59:59	Person	*						
	Group 3	₽		10	00:00:00	23:59:59	Person		۲					
	Group 4			10	00:00:00	23:59:59	Person	¥						
	Group 5	₽		10	00:00:00	23:59:59	Person		۲					
	Group 6			10	00:00:00	23:59:59	Person	¥						
	Group 7	₽		10	00:00:00	23:59:59	Person		۲					
	Group 8			10	00:00:00	23:59:59	Person	×						
									Apply					

1. Check Advertise mode for AD mode; set the SEQ residence time in seconds, which determines the time that each image stays on the screen, by default to 3 seconds. Click Image to load ad pictures from USB memory and supports the addition of up to 16 images in jpg, png and bmp format, picture resolution can't over 2560x1600.

	Image Management	×
т	ip: up to 16 pictures can be added. The optional format is JPG, PNG, BMP, and the maximum resolution is 2560X1600.	÷
	k	

Click 🕀 add new picture. Click 💼 delete added picture one by one.

Check Keep Aspect Ratio box if you want to display an image with the original aspect ratio, or unchecked the box if you want the image to stretch out and appear in the full screen. Return to Channel View Mode or Group View Mode, and Click the full-screen button in the upper right corner to display your ad image and the real-time count data for the selected channel or group. 2. Set Enable selects which channels to display on the channel page. If the camera in the

channel supports AI functionality, Setup and Alarm icons will be blue 😳; Instead, if the camera

does not support AI functionality, the icon will be gray. Set up **Capacity** which is the maximum

limit for attendance. Click **Setup** (2) to configure the detection condition. Click **Alarm** (2) to enter alarm when the number is 0.



(\times									
Buzzer	Disable	~								
Alarm Out	٢									
Latch Time	10 s	~								

Buzzer: Set the buzzer duration in seconds when the available number is 0. **Alarm Out:** If your DVR supports a connection to an external alarm device, you can set it to sound an alarm.

Latch Time: Configure the external alarm time with the available number of 0.

3.Click the Add IP Camera 💬 icon to add the channel to the group. Up to eight groups can be set, but can only be added to one group per channel. If channels are enabled in channel view mode, they are not allowed to add to any group. Select the Enable box to activate the group. You can set the number of Capacity, Start Time, End Time, detection type (Person, Vehicle and Motion).

Click Alarm 🙆 to enter configuration page when the number is 0.

6.3 Object Classification

Face, Human, Motor Vehicle, NON-Motor Vehicle detection scene interface display full screen, it can view detection results real time.



- 1. Interface theme of machine and non-human statistics
- 2. Click to enter playback Human & Vehicle search interface.



3. Click to enter setup page.



. four

	Set	tup	×
GUI Theme			
Statistics	1 Day		~
Channel	Channels		
	Apply	Cancel	

GUI Theme: Local Theme

Statistics: Statistical time, you can choose 1 day, 2 days, 3 days, 4 days, 5 days, 6 days, 7 days, week, month and year.

Channels: Channel selection, you can select the statistical channels

- 4. Show the current date and time
- 5. Channel diagram. In Channels select the channels
- 6. Select the number of drawing Windows, one window 💆 , two windows

windows	

- 7. Real-time push display switch, click the icon to display / hide the corresponding detection results of real-time push
- 8. Real-time push of face detection, and display of the detected face picture, name, and source group name.
- 9. Real-time push of humanoid detection, showing the detected humanoid pictures, detection channels and detection time
- 10. Real-time push of motor vehicle type detection, showing the detected motor vehicle pictures, detection channels and detection time
- 11. Real-time push of non-motor vehicle testing, display the detected non-motor vehicle pictures, detection channels and detection time
- 12. Statistics of the number of human faces, human shapes, vehicle models and non-motor vehicles captured.

Chapter 7 Search, Playback & Backup

The Search function gives you the ability to search for and play previously recorded videos as well as snapshots that are stored on your DVR's hard drive. You have the choice of playing video that matches your recording schedule, manual recordings or motion events only. The Backup function gives you the ability to save important events (both video and snapshots) to a USB flash drive.

7.1 Using Search Function

Q Sea	arch Genera	I Events Sub-periods	Smart Tag Exterr	al File Picture	Slice AI	*	(b) 04/11/2022 20:22:36 X
Date 0	2 📖						Stop
Search Type							
Vormal	Motion						
V 10	V PIR						
V PID							
SOD	VD & VD						
V AD	FD						
🗸 cc	CD						
V QD	🖌 LPD						
🗸 RSD	Sound						
VT	🖌 Manual						
Stream Type	Mainstream 🛩						
Channel							
	4						
	-CH2!@#%#^\$&^s						
— — — —	-CH3sdfa;lsfk!@^%o						
	-CH4adsnjajkl75545						
	-CHSadsajdknndnasd -CH6						
T I I	-CH7						
🔲 💷 T	-CH8						
	-CH9				<u> </u>		
	-CH10 -CH11			0 0 8 5			O 24h O 2h O 1h O 30m
	-CH12						·····
🔲 🔳 T	-CH13	0			<u> </u>		
	-CH14						
	-orrio	Normal Motion 📕 IO 📔	PIR 📕 Intelligent 📕 Alarm 📕 Ma	inual		04/11/2022	

Click Q Search button in the Start Menu to enter search section.

- Search Options: the system provides various search & playback methods: General, Events, Sub-periods, Smart & Pictures
- 2. Search Date: Search by a date to play back.
- 3. Search Type: The system provides different search types to narrow your search.
- 4. Channel Selection: To choose the channels you want to search & play.
- 5. Video Playback Controls: To control the video playback.



Enlarge the video playback to full screen

Rewind, x2, x4, x8 and x16



III Slow Play, 1/2, 1/4 and 1/8, 1/16 speed
D Play
Pause
Play frame by frame. Click once to play a frame of the video
Stop
Fast Forward, x2, x4, x8 and x16
Digital Zoom: Click to zoom in then Click -and-drag on a camera image during playback to
zoom in on the selected area. Right-Click to return to regular playback.
Video Clip. Quickly save a section of video to a USB flash drive. View more on <u>7.1.1.1</u> <u>Video Clip Backup</u> .
Save Video Clip.
Volume Control: scroll the slider bar to increase or decrease volume.
Snapshots: to capture a snapshot image to your USB flash drive. If the video playback is
in split-screen view, move the mouse cursor to the channel you want to capture, and then
Click the oil icon to save the snapshot.
Add default bookmark
Add custom bookmarks;
Switch the original proportional screen or stretching screen.
Timeline: Continuous recordings are shown with colored bars to represent different types of recording (legend shown in the bottom-right corner of the display). Use the timeframe options
Timeline: Continuous recordings are shown with colored bars to represent different types of recording (legend shown in the bottom-right corner of the display). Use the timeframe options (24h 2h 1h 30m

📕 Normal 📕 Motion 📕 IO 🧱 PIR 📕 Intelligent 📕 Alarm 📰 Manual

Continuous Recording in Green color;

Motion Recording in **Yellow** color;

1.



I/O Recording in Red color;

Motion & I/O Recording in Orange color;

Intelligent Recording in **Blue** color;

PIR Recording in Purple color;

2. Playback Status: display the video play status.

7.1.1 Search & Play Video in General

This menu gives an option to search & play recording for a selected date.

Q Se	earch	General	Events	Sub-periods	Smart	Tag	External File	Picture	Slice			k			(C) (C)		2:36 ×
Date 0	4/11/2022	ä															Stop
Search Typ	be 🔽																
Vormal	- Mo	otion															
V 10	PI	R															
PID		:D															
SOD		0 & VD															
AD																	
)															
QD		D															
RSD	So So	lund															
	~ Ma	anual															
Stream Typ	e Mains	tream Y															
Channel																	
V =	T-cover123-	CH1															
—	T-CH2!@!%	#%#^\$&^s															
	T-CH3sdfa;i T-CH4adsnia	stk!@^%0: aikl75545															
	T-CH5adsajo	, lkhndhasd															
—	T-CH6																
	T-CH7																
	T-CH9																
	T-CH10		S 44 1													2.4b (C) 2b (C)	4h 🔿 20m
	T-CH11			02:00		(<u>8</u> 3 € 4:00	UN O V Q 06:00	08:00		10:00	12:00	14:00	16:00	18:00	20:00	24m 2200	00:00
	T-CH12 T-CH13		©	02.00		4.00	00.00			10.00							
	T-CH14																
	T-CH15										04/11/2022						
			Normal	Motion IO	PIR 📕 Intelli	gent 📕 Al	larm 📕 Manual										

- 1. Click iii icon to search for video recording from the calendar.
- 2. Choose Search Type
- 3. Check channels you would like to search, or check Channel, to search all connected channels.
- 4. The search result will display on the timeline from 00:00 to 24:00.
- 5. Click \triangleright button to start playback.
- 6. Control the playback with buttons on Video Playback Controls.
- 7. Use the timeframe options (24h 2h 1h 30m) to view a smaller or larger time period.
- 8. If you want to quickly save a section of video during playing back to a USB flash drive, use the
 - Video Clip backup function.



9. Tag function, click 🤣 to add Costumed Tag. Click 🧳 to add Default Tag. You can

make a mark at the current time of the current channel. After the addition is completed, you can jump to the previously made "mark" in the label return interface to play back.

7.1.1.1 Video Clip Backup

Locati

3/7

Selected Directory: /hidev/usb1

C: II: D: D: C: C: <t< th=""><th>• 30m :02</th></t<>	• 30m :02								
 Insert your USB flash drive to the DVR. Start a video recording playback. Click icon. Check the channel(s) you want to make a video clip backup. 									
 Check the channel(s) you want to make a video clip backup. Move the mouse cursor to the timeline where you want to start the video clip. Press and hold the left button of your mouse, and drag the drag the cursor to the timeline whyou want to end the video clip. The icon has been changed to icon, Click to save the video clip. 	 Check the channel(s) you want to make a video clip backup. Move the mouse cursor to the timeline where you want to start the video clip. Press and hold the left button of your mouse, and drag the drag the cursor to the timeline where you want to end the video clip. The X icon has been changed to , icon, Click , to save the video clip. 								
 8. Select a file type for your backup files, Click Save button to save the video clips. Please make sure your USB driver has enough space to save the video clips. 9. The backup drive menu appears. Navigate to the folder you want the backup files to save in. 10. Click OK to begin. The progress bar at the bottom of the window shows you the progress of 									
the backup. Backup X									
Driver List: C the Tage of the									
USB1 Name Last Modify									

Canc

7.1.2 Event Search, Playback & Backup

Event search lets you view a list of video recordings with the channel, start and end time, and recording type conveniently summarized. You can also quickly back up events to a USB flash drive.



To search, play & back up for events:

- 1. Choose the date & time you want to search.
- 2. Check the recording types you want to search, or check **Search Type** to choose all.
- 3. Choose the channels you want to search, or check Channel to choose all channels.
- 4. Click \bigcirc icon to start search.
- 5. Events fitting your search criteria are displayed in list form. You can double Click the left button of your mouse upon one of the events to play the video immediately.
- 6. Click K < 1 /106 >> licons in the bottom-right corner of the menu to browse between pages of events, or input the page you want to browse.
- 7. You can switch the view of list form in by Click ing below icons which is show at the right bottom corner of the screen:

Thumbnails view. You can view the snapshots of the events.

List view. The events will be displayed in list.

Q S	earch General	Events Sub-perio	ds Smart Tag	External File Picture	Slice Al			() 04/11	/2022 20:25:20 🗙
Date 04/ Time 00:	11/2022 🛗	1 CH1 00:00:00 9 CH10 00:00:00 17 IB CH8 00:00:00	2 CH2 00:00:00 10 CH11 00:00:00	3 CH3 00:00:00 11 CH12 00:00:00	4 CH4 00:00:00 12 CH13 00:00:00	5 CH5 00:00:00	6 CH6 00:00:00 14 CH15 00:00:00	7 CH8 00:00:00 15 CH16 00:00:00	8 CH9 00.00.00 16 IP CH6 00.00.00 24 IB CH7 00.00.03
Search Ty	/pe 🔽	25 IP CH7 00:00:19	26 CH15 00:00:51 34 CH2 00:07:52	27 CH2 00:01:01 35 CH3 00:07:52	28 IP CH2 00:03:26 36 CH4 00:07:52	29 IP CH6 00:05:16 37 CH5 00:07:52	30 IP CH3 00:06:03	31 CH3 00:06:23	32 CH9 00:06:32 40 CH11 00:07:52
	al 🖌 Motion	41 IP CH6 00:07:52	42 IP CH7 00:07:52	43 CH7 00:07:53 51 IP CH3 00:07:53	44 CH8 00:07:53	45 CH10 00:07:53	 46 CH12 00:07:53 54 IP CH1 00:07:54 	47 CH13 00:07:53	48 CH14 00:07:53
PID		57 CH1 00:07:55	58 P CH4 00:07:55	59 CH5 00:08:11	60 CH8 00:08:33	61 CH4 00:08:35	62 IP CH1 00:10:16	63 CH11 00:11:51	64 CH7 00:12:43
SOD 🗹	VD & VD	73 CH14 00:16:53	74 CH16 00:17:23	75 IP CH7 00:17:29	76 CH6 00:18:09	77 CH15 00:19:19	78 CH2 00:19:26	79 IP CH6 00:20:17	80 IP CH6 00:20:32
		89 CH11 00:29:18	90 IP CH8 00:31:18	91 CH1 00:31:36	92 CH13 00:32:02	93 CH7 00:32:37	94 IP CH6 00:33:06	95 CH12 00:33:39	96 CH10 00:33:49
RSD	Sound	105 CH15 00:37:43	106 CH2 00:37:49	107 IP CH6 00:38:24	108 IP CH6 00:39:04	109 CH9 00:40:23	110 IP CH6 00:41:38	111 CH5 00:42:00	112 CH3 00:42:01
VT 🔽	Manual 🖌	121 CH3 00:42:30	122 CH1 00:42:31	123 CH5 00:42:31	124 CH7 00:42:31	125 CH9 00:42:31	126 CH11 00:42:31	127 CH13 00:42:32	128 CH15 00:42:32
Stream Ty	ype Mainstream ⊻	137 IP CH6 00:47:44	138 CH8 00:47:52	139 IP CH2 00:49:08	140 CH1 00:49:33	141 CH13 00:49:42	142 CH10 00:50:55	143 CH12 00:50:55 151 CH2 00:56:21	144 IP CH7 00:51:44
Channel	T-cover123-CH1	153 CH9 00:57:15	154 IP CH6:01:01:16	155 CH3 01:03:13 163 CH13 01:07:26	156 IP CH1 01:04:02	157 CH11 01:04:08	158 IP CH8 01:04:32	159 CH4 01:04:48	160 IP CH1 01:04:56
	T-CH2!@!%#%#^\$&^s T-CH3sdfa;lsfk!@^%o:	169 IP CH1 01:09:03	170 CH14 01:10:51	171 IP CH6 01:10:55	172 IP CH3 01:11:27	□ 173 IP CH2 01:11:57 □ 181 IP CH6 01:16:52	174 CH16 01:12:09	175 CH7 01:12:47	176 IP CH6 01:13:08
Ĭ	T-CH4adsnjajkl75545 T-CH5adsajdkhndhasd	185 CH11 01:21:34	186 P CH4 01:21:43	187 CH3 01:22:16 195 IP CH7 01:26:03	188 IP CH6 01:23:08	■ 189 CH4 01:23:37 ■ 197 IP CH6 01:28:25	190 CH5 01:25:02	191 CH10 01:25:04	192 CH13 01:25:09 200 CH9 01:31:05
		201 IP CH1 01:32:18 209 IP CH8 01:37:46	202 IP CH6 01:32:48	203 CH7 01:32:53	204 CH15 01:33:15	205 CH2 01:33:22 213 CH10 01:42:08	206 IP CH6 01:33:25	207 IP CH2 01:34:45	208 CH6 01:36:14
Informatio	on	217 IP CH7 01:43:13 225 IP CH6 01:51:07 233 IP CH6 01:54:45	226 IP CH6 01:51:32 234 CH6 01:55:40	227 CH15 01:51:46 227 CH15 01:51:46 235 IP CH6 01:56:10	220 CH14 01:46:51	221 CH6 01:47:17 229 IP CH6 01:52:20 237 IP CH6 01:57:22	230 CH7 01:52:56 238 IP CH2 01:57:32	223 CH9 01:48:01 231 IP CH6 01:53:26 239 CH10 01:59:13	232 IP CH6 01:54:14
Channel: Time: Type:									< 1 /48 >>
Size:	443MB	Descending Order	Select	•			Selected: 0 Total Siz	e: 0B Browse Ty	

Detailed view. You can view the details of the events.

Q S	earch General	Events Sub-perio	ds Smart Tag	External File F	Picture Slice Al				• 04/11/202	2 20:25:29 🗙
			Channel	Туре	Date	Start Time	End Time	Size	Playback	Lock
Date 04/	11/2022		CH1	N	04/11/2022	00:00:00	00:07:48	443MB		<u>2</u> .
Time 00:	00:00 - 23:59:59	2	CH2	Ν	04/11/2022	00:00:00	00:01:01	57MB	•	
					04/11/2022	00:00:00	00:06:23	342MB		
Search Ty	/pe 🔽		CH4		04/11/2022	00:00:00	00:07:50	425MB	•	
🔽 Norma	al 🔽 Motion		CH5		04/11/2022	00:00:00	00:07:49	415MB	Þ	2.
V 10	V PIR		CH6		04/11/2022	00:00:00	00:07:49	409MB	Þ	6
			CH8		04/11/2022	00:00:00	00:07:49	406MB	Þ	
			CH9		04/11/2022	00:00:00	00:06:32	392MB	Þ	
SOD	PD & VD				04/11/2022	00:00:00	00:07:49	466MB	Þ	
🖌 🔽	🖌 FD		CH11		04/11/2022	00:00:00	00:07:49	455MB	Þ	
🗸 cc	CD				04/11/2022	00:00:00	00:07:49	459MB	Þ	
V QD	V LPD		CH13		04/11/2022	00:00:00	00:07:49	450MB	Þ	
RSD	Sound				04/11/2022	00:00:00	00:07:48	442MB	Þ	
	Manual		CH15		04/11/2022	00:00:00	00:00:51	47MB	Þ	
	Manual Vianual				04/11/2022	00:00:00	00:07:48	438MB	Þ	
			IP CH6	MN	04/11/2022	00:00:00	00:05:16	235MB	Þ	
Stream Ty	Mainstream Y		IP CH8		04/11/2022	00:00:00	00:07:50	240MB	Þ	
	_		CH7		04/11/2022	00:00:01	00:07:49	399MB	Þ	6
Channel	~		IP CH3		04/11/2022	00:00:01	00:06:03	94MB	Þ	
Ĭ	T-cover123-CH1		IP CH4		04/11/2022	00:00:01	00:07:47	121MB	Þ	6
Ĭ	T-CH2!@!%#%#^\$&^s		IP CH5		04/11/2022	00:00:01	00:07:51	120MB	▶	.
× •	T-CH3sdfa;lsfk!@^%o:		IP CH1		04/11/2022	00:00:02	00:07:50	290MB	▶	6
× •	T-CH4adsnjajkl75545		IP CH2		04/11/2022	00:00:03	00:03:26	152MB	▶	2
✓ ■	T-CH5adsajdkhndhasd	24	IP CH7		04/11/2022	00:00:03	00:00:19	17MB	Þ	6
			IP CH7		04/11/2022	00:00:19	00:07:48	445MB	▶	Ċ.
	Q	26	CH15		04/11/2022	00:00:51	00:07:48	384MB	▶	<u>5</u>
		27	CH2		04/11/2022	00:01:01	00:07:49	376MB	Þ	6
Informatic	20	28	IP CH2		04/11/2022	00:03:26	00:07:50	196MB	Þ	6
Observatio		29	IP CH6	MN	04/11/2022	00:05:16	00:06:50	70MB	Þ	<u>G</u>
Channel: Time:		30	IP CH3		04/11/2022	00:06:03	00:07:47	27MB	Г	<u>.</u>
Type:								k		1 /380 > >I
Size:		Descending Order	Select				Selected: 0	Total Size: 0B	Browse Type:	

In the detailed view mode, you can lock the video events to keep events from being overwritten in the hard drive. Click the 🛅 icon to lock or click 🔒 to unlock the events.

- 1. Check the box next the number of the event to select files, or check the box next **Select** to select all events in the page.
- 2. 10.The number of selected files, total size information will be displayed at the right bottom of the screen.
- 3. After selecting file, you can Click 📄 icon to save the video to USB flash drive. Or click 🕨 icon into event playback control window to play the video.

7.1.2.1 Event Playback Control



- 1. Event List, you can select the events here.
- 2. Click : icon to save your selected event videos to USB flash drive. Click icon to play video.
- 3. Control the playback with buttons on Video Playback Controls. You can Click Si icon or Click right button of your mouse to exit the playback and return to event search window.
- 4. The event you are playing now will be displayed on the timeline.
- 5. Use the timeframe options (\bigcirc 24h \bigcirc 2h \bigcirc 1h \bigcirc 30m) to view a smaller or larger time period.

7.1.3 Sub-periods Playback

Sub-periods playback allows you to play multiple normal recordings and motion events simultaneously from a single channel. With normal and event recordings, the video is divided evenly depending on the split-screen mode that has been selected. For example, if the video is an hour long and you have selected Split-screens x 4, each split-screen will play for 15 minutes.



To search & play video in sub-periods:

- 1. Choose the date & time you want to search.
- 2. Choose the split-screens you want the videos to be played in.
- 3. Check the recording types you want to search, or check Search Type to choose all.
- 4. Choose the channels you want to search. Please note that this function only supports to search & play one channel at a time.
- 5. Click the play button > to start playing. Control the playback with buttons on Video Playback Controls.
- 6. Videos are being played in split-screens.
- 7. Click the left button of your mouse upon a particular split-screen, the time period of the video split-screen will be displayed on the timeline. The color bar on the top of the timeline indicates the time span of the video split-screen you have Click ed. The color bar on the bottom of the timeline indicates the time span for the whole videos you have searched.



8. Use the timeframe options (24h 2h 1h 30m) to view a smaller or larger time period.



9. Tag function, click 🕺 to add Costumed Tag. Click 🧳 to add Default Tag. You can make

a mark at the current time of the current channel. After the addition is completed, you can jump to the previously made "mark" in the label return interface to play back.

7.1.4 Smart Search & Playback

Smart mode allows you to easily search & play the motion events in one or more specific areas of the channel.



This feature can identify whether it is triggered by the Motion in Motion. If so, it will be displayed as

blue in the playback time bar below. Click

button to enter smart area set up page.



Click this icon I on Video Playback Controls, the camera will be shown in full screen and the Smart controls bar will be visible.

7.1.5 TAG Playback

In tag playback, you can find all added tags. And perform playback, editing and deletion operations. Click Edit to modify the label name, and Click Delete to delete the label.



O Search Genera	al Events Sub-peri	ods Smart Tag	External File P	Picture Slice Al				() 04/12/20	22 08:40:20	×
Start Time		l ag Name	Channel	Date	Time	Ріаубаск	Edit	Delete		
04/11/2022 🛗 00:00:00		l ag	IP CH2	04/11/2022	13:27:27		<u> </u>			
End Time		Tag	IP CH2	04/11/2022	13:27:45	Þ				
04/12/2022 🛗 23:59:59										
Keyword										
Channel 🗹										
T-cover123-CH1										
T-CH2!@!%#%#^\$&^s										
✓ ■ T-CH3sdfa;lsfk!@^%o.										
🔽 🔜 T-CH4adsnjajkl75545										
🔽 🔜 T-CH5adsajdkhndhasd										
🔽 🔜 Т-СН6										
🔽 🔜 Т-СН7										
🛃 🔜 (Т-СН8										
🗹 🔜 Т-СН9										
🗹 🔜 (T-CH10										
✓ ■ T-CH11										
✓ ■ T-CH12										
✓ ■ T-CH13										
✓ ■ T-CH14										
🗹 🔜 Т-СН15										
✓ ■ T-CH16										
P CH1			k							
Q										

7.1.6 External file playback

Here you can play videos in the external U disk. Select files on the left to play automatically.

Q Sea	rch	General	Events	Sub-periods	Smart	Tag	External File	Picture	Slice	AI	(b) 04/12/2022 08:40:47	\times
Device Name	USB1-1											
File Type												
	Name		Play									
- -												
30kq_on	vif											
7332												
8.2.2升级	抱											
D7116												
H8108												
т мдв												
NT98529	9_8.2.1											
NT98562												
RF												
RS_D32	xx											
System \	/olume Info	rmation										
VIDEO												
ab												
hidev												
tondump	nack											
uboot up	_pack											
	giuuo											
一人脸车牌	导入											
	0											

7.1.7 Picture Search & View

This function can be used to search, play and copy snapshots to a USB flash drive.



To search, play & back up pictures:

- 1. Choose the date & time you want to search.
- 2. Check the picture capture types you want to search, or check Search Type to choose all.
- 3. Choose the channels you want to search, or check Channel to choose all channels.
- 4. Click *Q* button to start search.
- 5. Pictures fitting your search criteria are displayed in list form. You can double Click one of the pictures to get a larger view.
- 6. Click K < 4 /15 > > i cons in the bottom-right corner of the menu to browse between pages of pictures, or input the page you want to browse.
- 7. You can switch the view of list form in by Click the icons below shown at the right bottom corner of the screen:

Thumbnail view. You can view the snapshots of the events.

List view. The events will be displayed in list.



List view. The events will be displayed in list.

Q Search Genera	I Events Sub-period	ds Smart Tag	External File Picture	Slice Al			• 04/12	/2022 08:42:53 🛛 🗙
Date 04/12/2022	1 IP CH2 00:00:02 9 IP CH2 00:00:22 17 IP CH2 00:00:42	2 IP CH6 00:00:02 10 IP CH6 00:00:22 18 IP CH6 00:00:42	3 IP CH2 00:00:07 11 IP CH2 00:00:32 19 IP CH7 00:00:42	4 IP CH6 00:00:07 12 IP CH6 00:00:32 20 IP CH7 00:00:42	5 IP CH2 00:00:12 13 IP CH7 00:00:32 21 IP CH2 00:00:47	6 IP CH6 00:00:12 14 IP CH7 00:00:32 22 IP CH6 00:00:48	7 IP CH2 00:00:17 15 IP CH2 00:00:37 23 IP CH2 00:00:52	8 IP CH6 00:00:17 16 IP CH6 00:00:37 24 IP CH7 00:00:52
Search Type 🔽 🔽 Normal 🗳 Motion	25 IP CH7 00:00:52 33 IP CH2 00:01:07 41 IP CH2 00:01:22	26 IP CH6 00:00:53 34 IP CH6 00:01:08 42 IP CH7 00:01:22	27 IP CH2 00:00:57 35 IP CH2 00:01:12 43 IP CH6 00:01:23	28 IP CH6 00:00:58 36 IP CH7 00:01:12 44 IP CH7 00:01:24	29 IP CH2 00:01:02 37 IP CH6 00:01:13 45 IP CH2 00:01:27	30 IP CH7 00:01:02 38 IP CH7 00:01:14 46 IP CH6 00:01:28	31 IP CH6 00:01:03 39 IP CH2 00:01:17 47 IP CH2 00:01:32	32 IP CH7 00:01:04 40 IP CH6 00:01:18 48 IP CH7 00:01:32
 ✓ IO ✓ PIR ✓ Manual 	49 IP CH6 00:01:34 57 IP CH6 00:01:47 65 IP CH6 00:02:02	50 IP CH7 00:01:34 58 IP CH2 00:01:52 66 IP CH7 00:02:02	51 IP CH2 00:01:37 59 IP CH6 00:01:52 67 IP CH7 00:02:04	52 IP CH2 00:01:42 60 IP CH7 00:01:52 68 IP CH2 00:02:07	53 IP CH6 00:01:42 61 IP CH7 00:01:52 69 IP CH6 00:02:08	54 IP CH7 00:01:42 62 IP CH2 00:01:57 70 IP CH2 00:02:12	55 IP CH7 00:01:42 63 IP CH6 00:01:58 71 IP CH7 00:02:12	56 IP CH2 00:01:47 64 IP CH2 00:02:02 72 IP CH6 00:02:13
Channel T-cover123-CH1	73 IP CH7 00:02:15 81 IP CH7 00:02:32 89 IP CH2 00:02:43	74 IP CH2 00:02:22 82 IP CH2 00:02:33 90 IP CH2 00:02:47	75 IP CH2 00:02:22 83 IP CH7 00:02:34 91 IP CH6 00:02:47	76 IP CH6 00:02:22 84 IP CH6 00:02:37 92 IP CH6 00:02:52	77 IP CH7 00:02:22 85 IP CH2 00:02:38 93 IP CH7 00:02:52	78 IP CH2 00:02:27 86 IP CH6 00:02:42 94 IP CH2 00:02:54	79 IP CH6 00:02:27 87 IP CH7 00:02:42 95 IP CH7 00:02:55	80 IP CH6 00:02:32 88 IP CH7 00:02:42 96 IP CH2 00:02:57
✓ T-CH2!@!%#%#^\$&^s ✓ T-CH3sdfa;lsfk!@^%o: ✓ T-CH4adsnjajkl75545 ✓ T-CH4adsnjajkl75545	97 IP CH6 00:02:57 105 IP CH6 00:03:13 113 IP CH6 00:03:33	98 IP CH2 00:03:02 106 IP CH2 00:03:18 114 IP CH2 00:03:38	99 IP CH6 00:03:02 107 IP CH6 00:03:18 115 IP CH6 00:03:38	 100 IP CH7 00:03:02 108 IP CH2 00:03:23 116 IP CH2 00:03:42 	101 IP CH7 00:03:04 109 IP CH6 00:03:23 117 IP CH7 00:03:42	102 IP CH2 00:03:07 110 IP CH2 00:03:28 118 IP CH6 00:03:43	103 IP CH6 00:03:08 111 IP CH6 00:03:29 119 IP CH2 00:03:52	104 IP CH2 00:03:13 112 IP CH2 00:03:33 120 IP CH6 00:03:52
T-CH6 T-CH7 T-CH7	 121 IP CH7 00:03:52 129 IP CH2 00:04:07 137 IP CH7 00:04:22 	122 IP CH7 00:03:52 130 IP CH6 00:04:07 138 IP CH2 00:04:23	123 IP CH2 00:03:57 131 IP CH2 00:04:12 139 IP CH6 00:04:23	124 IP CH6 00:03:57 132 IP CH6 00:04:12 140 IP CH7 00:04:24	125 IP CH2 00:04:02 133 IP CH7 00:04:12 141 IP CH2 00:04:27	126 IP CH7 00:04:02 134 IP CH7 00:04:14 142 IP CH6 00:04:28	127 IP CH7 00:04:02 135 IP CH2 00:04:17 143 IP CH2 00:04:32	128 IP CH6 00:04:03 136 IP CH6 00:04:17 144 IP CH7 00:04:32
T-CH9 T-CH10 T-CH11	145 IP CH6 00:04:33 153 IP CH2 00:04:52 161 IP CH2 00:05:12	146 IP CH7 00:04:34 154 IP CH6 00:04:53 162 IP CH6 00:05:13	147 IP CH2 00:04:37 155 IP CH2 00:04:57 163 IP CH2 00:05:17	148 IP CH6 00:04:38 156 IP CH6 00:04:58 164 IP CH6 00:05:19	149 IP CH2 00:04:42 157 IP CH2 00:05:02 165 IP CH2 00:05:23	150 IP CH6 00:04:43 158 IP CH6 00:05:03 166 IP CH6 00:05:24	 151 IP CH2 00:04:47 159 IP CH2 00:05:08 167 IP CH2 00:05:28 	152 IP CH6 00:04:48 160 IP CH6 00:05:08 168 IP CH6 00:05:29
✓ T-CH12 ✓ T-CH13 ✓ T-CH14	 169 IP CH2 00:05:32 177 IP CH6 00:05:52 185 IP CH7 00:06:02 	170 IP CH6 00:05:34 178 IP CH7 00:05:52 186 IP CH2 00:06:07	 171 IP CH2 00:05:38 179 IP CH7 00:05:52 187 IP CH6 00:06:07 	 172 IP CH6 00:05:39 180 IP CH2 00:05:57 188 IP CH2 00:06:12 	173 IP CH7 00:05:42 181 IP CH6 00:05:57 189 IP CH6 00:06:12	174 IP CH2 00:05:43 182 IP CH2 00:06:02 190 IP CH7 00:06:12	175 IP CH6 00:05:44 183 IP CH6 00:06:02 191 IP CH2 00:06:22	176 IP CH2 00:05:52 184 IP CH7 00:06:02 192 IP CH6 00:06:22
Q	193 IP CH7 00:06:22 201 IP CH2 00:06:37 209 IP CH7 00:06:52	 194 IP CH7 00:06:22 202 IP CH6 00:06:37 210 IP CH2 00:06:53 	195 IP CH2 00:06:27 203 IP CH7 00:06:42 211 IP CH6 00:06:53	196 IP CH6 00:06:27 204 IP CH7 00:06:42 212 IP CH7 00:06:54	197 IP CH2 00:06:32 205 IP CH2 00:06:43 213 IP CH2 00:06:57	198 IP CH7 00:06:32 206 IP CH6 00:06:43 214 IP CH6 00:06:58	199 IP CH7 00:06:32 207 IP CH2 00:06:48 215 IP CH2 00:07:02	200 IP CH6 00:06:33 208 IP CH6 00:06:48 216 IP CH7 00:07:02
Information	217 IP CH6 00:07:03 225 IP CH2 00:07:22 233 IP CH2 00:07:43	218 IP CH7 00:07:04 226 IP CH6 00:07:23 234 IP CH6 00:07:44	219 IP CH2 00:07:08 227 IP CH2 00:07:28 235 IP CH2 00:07:48	220 IP CH6 00:07:08 228 IP CH6 00:07:29 236 IP CH6 00:07:49	221 IP CH2 00:07:12 229 IP CH2 00:07:33 237 IP CH2 00:07:54	222 IP CH6 00:07:13 230 IP CH6 00:07:34 238 IP CH6 00:07:54	223 IP CH2 00:07:17 231 IP CH2 00:07:38 239 IP CH2 00:07:59	224 IP CH6 00:07:18 232 IP CH6 00:07:39 240 IP CH6 00:07:59
Channel: IP CH2 Time: 00:00:02 Type: M					ŀ			< 1 /21 > >I
Size: 62KB	Descending Order	Select				Selected: 0 Total Size	e: OB Browse Ty	pe: 00 000 000

Detailed view. You can view the details of the events.



Q S	earch General	Events Sub-perio	ods Smart Tag	External File	Picture Slice AI				04/12/2022 08:43:06	×
-			Channel	Туре	Date	Time	Size	Playback		
Date 04/	12/2022	1	IP CH2	М	04/12/2022	00:00:02	62KB			
Time 00:	00:00 - 23:59:59	2	IP CH6	М	04/12/2022	00:00:02	87KB	Þ		
			IP CH2		04/12/2022	00:00:07	67KB	▶		
Search Ty	/pe 🔽		IP CH6		04/12/2022	00:00:07	88KB			
Vorma	al 🔽 Motion		IP CH2		04/12/2022	00:00:12	65KB			
V IO	V PIR		IP CH6		04/12/2022	00:00:12	87KB	Þ		
Manu	al		IP CH2		04/12/2022	00:00:17	65KB	Þ		
	u		IP CH6		04/12/2022	00:00:17	86KB			
Channel			IP CH2		04/12/2022	00:00:22	67KB			
Channer	¥		IP CH6		04/12/2022	00:00:22	89KB			
	T-cover123-CH1		IP CH2		04/12/2022	00:00:32	64KB			
	T-CH2!@!%#%#^\$&^s		IP CH6		04/12/2022	00:00:32	87KB	Þ		
	T-CH3sdfa;Isfk!@^%o.		IP CH7		04/12/2022	00:00:32	92KB			
	T-CH4adsnjajki75545		IP CH7		04/12/2022	00:00:32	92KB	Þ		
			IP CH2		04/12/2022	00:00:37	64KB	Þ		
	T-CH7		IP CH6		04/12/2022	00:00:37	88KB			
	T-CH8		IP CH2		04/12/2022	00:00:42	63KB			
	T-CH9		IP CH6		04/12/2022	00:00:42	86KB			
	T-CH10		IP CH7		04/12/2022	00:00:42	91KB			
			IP CH7		04/12/2022	00:00:42	91KB			
~	T-CH12		IP CH2		04/12/2022	00:00:47	62KB	Þ		
~			IP CH6		04/12/2022	00:00:48	88KB	Þ		
~	T-CH14		IP CH2		04/12/2022	00:00:52	62KB			
	T-CH15	24	IP CH7		04/12/2022	00:00:52	91KB	Þ		
_			IP CH7		04/12/2022	00:00:52	91KB			
	0		IP CH6		04/12/2022	00:00:53	86KB	Þ		
			IP CH2		04/12/2022	00:00:57	65KB	Þ		
			IP CH6		04/12/2022	00:00:58	88KB	Þ		
Informatio	on		IP CH2		04/12/2022	00:01:02	60KB	Þ		
Channel:			IP CH7		04/12/2022	00:01:02	91KB	Г		
Time:	00:00:02									
Size:		Descending Order	Select			k	Selected: 0	Total Size: 0B	Browse Type:	Ξ

- 8. When you Click the left button of your mouse upon one of the pictures, system will show the picture information on the left bottom corner of the screen.
- 9. Check the box next the number of the event to select files, or check the box next **Select** to select all pictures in the page.
- 10. The number of selected files, total size information will be displayed at the right bottom of the screen.
- 11. After selecting file, you can Click button to save the pictures to USB flash drive. Or click
 button to go into picture preview control window.

7.1.7.1 Picture Preview Control



- 1. Picture List, you can select the pictures here.
- 2. Click Dutton to save your selected pictures to a USB flash drive. Click button to view the pictures in slideshow.
- 3. Press 🥎 button to exit preview control window and go back to picture search window.

Press []] button to pause, press > to resume slideshow.

Press [k] button to display previous snapshot or group of snapshots, press [k] to display the next snapshot or group of snapshots.

Click \square button to view a single snapshot at a time, click \blacksquare button to view four snapshots at a time, press \blacksquare buttons to view nine snapshots at a time.

7.1.8 SPLIT PLAYBACK

Video playback allows you to see 60 minutes of video clips within an hour on a certain day, a certain month, a certain year, with 1 minute for each clip.



- 1. Select channel and stream
- 2. Select the channel and date to play
- 3. The results that meet the search criteria are displayed in the form of a list. You can use the left mouse button on one of the events to play the video in a small window.
- 4. Small window play preview. Click the enlarge button in the upper right corner of the small window to enter full screen play mode.



7.1.9 AI

7.1.9.1 Face

Select the date, time, channel and face group and Click search, you can search the everyone face information of the group during this time period.



- 1. Click [⊕] to customize to add the search face. Choose **Groups** to select the face pictures of the whole group of the face database for comparison search.
- 2. Click **Channels** to select the channel for the search
- 3. Click Attributes to set the face attribute conditions for the search, and you can choose to select Gender, Age, Mask, Glasses and Expression
- 4. Click Alarm Groups to select the face group where the face contrast has occurred
- 5. Select the search area picture, click to delete the picture, click it to pop up to the AI face database setting interface.
- 6. Right-select **Import To** in the search results to import this image into the face database grouping.
- 7. In the search results, right-select **Detail Information** to view the details of the face.
- 8. Click Custom Playback to enter the time when the face is detected for playback.
- 9. Click $\stackrel{\texttt{B-B-B-B-B-}}{=}$ to view the different viewing methods.

7.1.9.1.1 Tracks

Click

O Search Ē 0 9 0 9 0 Q 0 0 0 0 \triangleright 0 B3 ⊡ D> DD D0

on the lower right corner to enter the electronic track chart menu.

Click Load Map to pop up U disk, select map to add. Click **Edit** to drag the IPC icon to the location you want to place, unchecked and exit edit mode. Then Click \bigoplus select the face from the local face library or U disk, click search (only support one face search), you can search out the IPC that has detected the face, there will be a color mark on the map.



If you click the left button on an IPC icon and play back, there will be a simple playback in the lower right corner. If multiple IPC detect the face, the point playback will automatically judge the person's movement and introduce an arrow.

7.1.9.2 License Plate

If the alarm is triggered and the video is recorded, you can view the video details or export in this interface.



Time: Set the time period to query the license plate detection event. The date can be set by

clicking ton it.

License Plate: Filter and query according to the license plate information.

Fault-tolerant: Fault tolerance rate, such as when set to three characters, the white list in the group is B594SB, and triggered when a license plate number of B734KB enters the monitoring area. That is, the detection license plate number has 0~3 characters and the database license plate number is different will be identified.

Snapped Information: Details of the alarm event, with the following five items:

Channel: Channel selection

Start Time: Start time of the event.

End Time: End time of the event.

Snapped License Plate: The license plate number captured by the camera by taking the license plate photo.

Matched License Plate: License plate number obtained from the database.

Sort By: Event videos are sorted by time.

Channels: License plate detection events triggered by each channel

Search: Query according to the selected settings.

Alarm Group: Select the different groups in the database to compare and search for the display results.

This function is to click the triangle icon in the lower right corner of the event video when selected: 5s, 10s, 20s, 30s, 1min, 2min, 5min, 10min, Custom Playback. If 30s, the video will be extended by 30 seconds.

You can back up the video to the U disk, the video format support RF, AVI, MP4 three.

Select All Selected: 2 All videos are selected and the number of videos selected.

 $\sim 1^{1} \rightarrow 1^{1} \rightarrow 1^{1}$ Click to turn the page.

Click to select different views.

Choosing an event right-click pop two features:

Detail information: View the event details.



Custom Playback: Playback settings, click to set how long the event plays earlier and how long it delays. The maximum time limit is 10Min.

Double-click the event or drag to the bottom-left corner to play the event video.


7.1.9.3 PD & VD

After selecting the date, time, channel, and pedestrian and car shop type, click to search to search for the pedestrian and car shop information of the group during this time period.



Left click will have basic information on the left side, right click will customize playback and view details. Click on the lower left corner to play for simple playback, double-click to zoom in, and enter the normal playback mode.

7.1.9.4 PID&LCD

Select the date, time, channel, and alert type, and the person and car type to search for the PID and LCD triggered by the group during this time period.



Left click will have basic information on the left side, right click will customize playback and view details. Click on the lower left corner to play for simple playback, double-click to zoom in, and enter the normal playback mode.

7.1.9.5 Repeat Visitors

Here you can search and count all the number of times the same face has appeared.



1. Select the date and time that you want to search for.



- 2. Select the face library group you need to contrast and search groups by default.
- 3. Select the channel that you need to search for.
- 4. Select the corresponding face attribute in the face attribute interface.
- 5. Enter the minimum number of seconds separated by interval.
- 6. Left click the search results, click the search results, on the left there will be detailed playback and information, right click to import the face library or edit the face library picture information and view the details.
- 7. Enter the Minimum number of face appearances at Minimum Occurrences for filtering
- 8. Click Sort By to sort, with a rise or down order of time or quantity
- 9. Check the search results or click All to select all the search results, click **I** icon to

customize the play, or click to back up the picture and video to the USB flash drive.

7.1.9.6 Face Attendance

The attendance system lets you check to see if someone appears at the specified time. And automatically determine whether they are late or leave early.



- 1. **Channels**: Select the channel for face attendance
- Select Mode: Select the face picture of attendance, with By Group and By Person modes By Group: Select face pictures through the face group, that is, add shuffling all face pictures. By Person: Through the face map selection, click the right button of By Person to pop up the face map interface of the selected face library.
- 3. **Date**: Select the search date, the default is the system time day, and there are five selection modes: Day, Week, Month, Custom, and Today.
- 4. Working Days: Select the working days
- 5. On Duty Time: Set up the working hours
- 6. Off Duty Time: Set up the closing time
- 7. Click **Search**. You can search for the results.

Q Search	General Eve	nts Sub-period	ls Smart	Tag External F	ile Picture	Slice A	1						• 04/18/2	022 17:27:54	×
Face License Plate	Human & Vehicle	PID & LCD	Repeat Visitor	S Face Attendance											
Channels Sele	ct Mode By Grou	• • 7-		On Duty Tin	ne 08:30:00			Off Duty Time	17:30:00			Refresh	Export	Send Em	ail
Date Day Week Mr	nth Custom Toda	r 9-		Name	Group	Detail	04/18	Late	Leave Early	Absence					
04/18/2022	04/18/2022	···			Group 1	-	0								
Marking Dave					Group 1										
	Tue	Mad		1111	Group 1	7									
Thu. Fri.	Sat.	VVed.			Group 1	•									
				333	Group 1	-									
	_					•									
1 1111 🗹 2 1111	3 1111 🗹	4 1111xc <mark>✓</mark>		444	Group 1										
				4444	Group 1										
				rujjgy99o6tfjkooykft	Group 1	-									
5 333 🗹 6 344rr	7 444	8 4444 🗹		Cap_10531	Group 1	-		0 🗸 Norma	0 al → Lat	1 le ← I	Leave Early	띀 Late an	d Leave Early	Absence	
Select All Search		/348 > >I													
		00000	4.18			00 07							20 01	20 23	24

Click on a result, and all the detection records are displayed below. Click 🔳 Detail on the Detail icon to enter the details interface.



Here are details on attendance, including the first appearance and the last appearance. Click **I** to perform a simple playback in the lower left corner

Click **Export** to save the searched attendance information generation file to the U disk. Click **Send Email** to send the searched attendance information generation file to the mailbox.

Chapter 8 Remote Access via Web Client

Use the Web Client to remotely access your DVR at any time via a PC. Before you access the Web Client, you need to ensure that the internet settings of the DVR are configured properly.

8.1 Basic System Environment Requirements

Item	Minimum	Recommended					
CPU	Intel® Core™ i5 CPU	Intel® Core™ i5 CPU or higher					
RAM	4G or more	8G or more					
Hard Drive	500G or more	1000G or more					
Display RAM	2G or more	4G or more					
Display Resolution	1280*1024	1920*1080					
05	Windows 7 or above						
05	Mac OS X® 10.9 or above						
DirectX	DirectX 11						
Direct3D	Acceleration Function						
Ethernet Adapter	10/100/1000M Ethernet Ad	dapter					
IE	Microsoft Internet Explore	r Ver. 11, 10, 9, 8 or above					
Mozilla Firefox	V51 or below. It doesn't su	upport V52 or above version.					
Google Chrome	V44 or below. It doesn't su	upport V45 or above version.					
Mac Safari	5.1 or above						

The minimum requirements for hardware and OS required to run Web Client are given as below.

8.2 Web Plugin Download and Installation

To access the Web Client, do the following:

For IE Browser:

1. Launch the explorer on your PC and enter the DVR IP address or DDNS domain name (Host Name) you have set on DVR in the URL box.

			ENGLISH	~
٨	Username			
۳O	Password			
		Login		
			Recover Password	

2. For the first time you run the web client, system will require to install the web client plugin. Click **Download** to download the plugin and install to your computer.

							Live Pla	yback	Remote Setting	Local Settings	• 🙂	
Channel L	List	I MainStream	SubStream	MobileStre	m						3 23	
CH1												
CH2	▶≋☆⊡♀											
CH3	▶≋৫⊟∳											
CH4	▶ ≅ Ġ ⊟ ♀											
CH5	▶ 8. @ 5 0											
CH6	▶ 8 6 5 0										i .	
CH7	▶ 8 @ 5 0											
CH8	▶ ≅. @ ⊟ 🌻											
CH9	▶≞⋵⋳♀										i .	
CH10	▶ ≅. ≙ ⊟ 🎐											
CH11	▶ ≅ ≙ ⊟ 🌷											
CH12	▶≋☆⊡♀											
CH13	▶ ≅ ☆ ⊟ 🌵		Live video can be played only after the player plug-in is installed Download and install the player. If you have installed the player, restart your browser. (Allow the player in your browser.)									
CH14	▶ ≅ Ġ ⊟ ♀											
CH15	▶ ≅. ≙ ⊑ 🌻											
CH16	▶ ≋ © ⊟ ♀											
IP CH1												
IP CH2												
IP CH3												
IP CH4												
IP CH5												
IP CH6												
IP CH7												
IP CH8												
IP CH9		G G 🖸		8 0	⊙ ଘ∗ ø?}							

🔂 Setup - SurveillancePluginV2 —		×
Ready to Install Setup is now ready to begin installing SurveillancePluginV2 on your computer.	Q	
Click Install to continue with the installation, or click Back if you want to review or change any settings.	r	
Destination location: C:\Program Files (x86)\SurveillancePluginV2\WVR	1	·
Start Menu folder: SurveillancePluginV2\NVR		
<	>	<u></u>
Install	Car	ncel

3. After installing the plug-in, close & launch again your browser and repeat step 1 to open the login page. Input your username and password to login the web client.

Note: When using Apple Safari/Google Chrome/Firefox/Microsoft Edge browser, you do not need to download the plug-in, you can log in to DVR directly.

8.3 Web Client Manager

The web client supports to fully control the DVR with administrator account. Please make sure to protect your user name & password for preventing illegal login.

8.3.1 Live Interface

This is the first screen that opens after you have logged in to the Web Client. Here you can open or close live preview, record video to local computer manually, take snapshots of the screens, PTZ control, color adjustment, etc.



- 1- Channel: Quick turn on camera channel
 - Click i icon show channels list.
 - Click icon shut up channels list.



Turn on/off live streaming. While real time streams turn on, the icon is blue. 🚼 🎇 Manual record, click and start to record manually. Click icon again to stop recording and the records saved to local PC. Manual recording icon shows blue which recording.

0 Manual capture. Click to save the snapshot to your local PC.



Bitrate icon. Camera set up main/sub/mobile streaming. Mobile stream only be used in IP channels.

2- Realtime setting:

Main stream: High video quality to view on main stream.Sub stream: Middle video quality to view on main stream.Mobile stream: The lowest video quality to view on mobile stream. Advantage: Use smaller bandwidth, only support on IP camera.

3- Main menu:

Preview: Check realtime video on camera.

Playback: Check the records in DVRHDD drive.

Remote setting: DVR menu to set up device parameters.

Local setting: Set up Web records and picture save location, select video "file type".

- 4- Information: Mouse stop, check system user, IE version and plug-in version
- 5- Manual Alarm: Manual enable /disable Alarm Out





6- Color setting: Click to hidden the settings.



7- Al alarm: Trigger Al alarm push, click 🙆 click Al type detection, click 🔟 to delete.



8- PTZ Control: Click to show/hidden PTZ.

9- PTZ Control Plug-in







Watch Mode:

Time Interval: watch mode waiting time interval, the time since stop watch mode operation. Mode: select watch mode, default/preset/line scan/tour/pattern scan

Click b to start cruise.

Line Scan:

Area scan: Click to record the start position, after moving PTZ, click to record the stop position; Speed: Line scan speed;

Click to start line scan, PTZ start line scan. PTZ only move in the same horizontal direction on this mode.

Tour:

Time Interval: every point stay time.

Click to add preset point. Click to delete preset point. Click \checkmark to up/move down preset points. Click to start cruise.







8.3.2 Playback

You can search & play recording videos stored in the HDD inside the DVR, and download the videos to your computer.



To search recordings:

- 1. Click **Playback** in the top-right corner of the window.
- 2. Select a day on the calendar to search for recordings from. Days with recordings appear with a red underline.
- 3. Select the recording type to search for from the dropdown next to **Type**, or select **All** to search for all recordings.
- To choose the video stream you want to search & play. If you want to play Substream recordings, please make sure you had set the DVR to record with Dualstream at <u>5.2.2.1</u> <u>Record</u>.
- 5. Check the channels you would like to search for recordings from. Check **Synchronous playback** to play all channels at once.
- 6. Click Search.
- 7. Recordings that fit your search will be displayed in the timeline. Click a section of video where you would like to begin playback and Click the ▶ play button.

8.3.2.1 Playback Control Buttons

					Live Playback	Remote Setting	Local Settings	1 ()
General ~								
Date 2022-4-13								
Stream SubStream								
Al								
Manual PD								
IU Motion PiR								
Video Tampering								
Attribute Detection								
Channel List								
CH1 CH2								
CH7 CH8								
CH9 CH10								
CH11 CH12								
CH13 CH14								
CH15 CH16								
IP CH5 IP CH6								
IP CH7 IP CH8							Q	🗆 🗖 🖂
	06 22:19 0 mono 04 mo 09 mo	8800 1990	12:00	14.00	16.03	18.00 20.0	0 22:00	0000
IP CH11 IP CH12								
IP CH13 IP CH14								
IP CH15 IP CH16								
Search								



Play the recordings

Pause

Stop

Ы Go Forward One Frame: Move frame-by-frame through playback. Only available when the

Synchronous playback option is not checked.

Synchronous playback: Click to play the selected channel at the same time at the same ÷

time.

Click upon one of the channels which is being played and then Click record button to record

current video to your computer. Click again to stop recording.

Click upon one of the channels which is being played and then Click capture button to take a

snapshot and save to your computer.



V opens the Download menu, which allows you to download several video recordings at once.

		Start Time	End Time	Status	File Size
1		2021-02-20 00:00:00	2021-02-20 00:06:01	Not Downloaded	180.91M
2		2021-02-20 00:06:01	2021-02-20 00:14:28	Not Downloaded	253.81M
3		2021-02-20 00:14:28	2021-02-20 00:22:58	Not Downloaded	253.99M
4		2021-02-20 00:22:58	2021-02-20 00:31:24	Not Downloaded	253.73M
5		2021-02-20 00:31:24	2021-02-20 00:39:49	Not Downloaded	253.62M
6		2021-02-20 00:39:49	2021-02-20 00:48:19	Not Downloaded	253.86M
7		2021-02-20 00:48:19	2021-02-20 00:56:49	Not Downloaded	253.90M
8		2021-02-20 00:56:49	2021-02-20 01:05:18	Not Downloaded	253.83M
9		2021-02-20 01:05:18	2021-02-20 01:13:44	Not Downloaded	253.55M
10		2021-02-20 01:13:44	2021-02-20 01:22:10	Not Downloaded	253.46M
11		2021-02-20 01:22:10	2021-02-20 01:30:36	Not Downloaded	253.67M
12		2021-02-20 01:30:36	2021-02-20 01: <mark>39:0</mark> 6	Not Downloaded	253.98M
13		2021-02-20 01:39:06	2021-02-20 01:47:35	Not Downloaded	253.62M
14		2021-02-20 01:47:35	2021-02-20 01:56:01	Not Downloaded	253.58M
14	Row / Page	1			< 1 / 14Page > >I
			Start Download Stop Do	wnload	

Choose the files you want to download, press **Start Download** button to begin, you will see the download status. Press **Stop Download** button to stop.

Playback Speed. Click to choose the playing speed.

Play All Channels: Click to play all channels you have chosen to searched. Only available

when the Synchronous playback option is not checked.

T Stop All Channels: Click to stop playing all channels. Only available when the

Synchronous playback option is not checked.

Digital Zoom: Click upon on a playing video, then Click -and-drag over an area of the video to enlarge. Right-Click to return to the normal display.

Original Proportions: Shows the playing video at the original proportions.



Stretch: Stretch the playing video to fit the full area for each channel on screen.

To enlarge the web client to full screen.

8.3.2.2 Picture playback

After setting the capture in <u>5.2.3.1 Capture</u>, you can search the captured image here.



Search capture:

- 1. Click playback in the upper right corner of the window.
- 2. Select picture from the drop-down menu in the upper left corner.
- 3. Select a day to search on the calendar. The date with the snapshot is underlined in red.
- 4. Select the image type to search from the list in the search type menu, or select all to search all types.
- 5. Check the channel to search for videos.
- 6. Click Search.
- 7. The picture that meets your search conditions will be displayed on the right side

You can double click any picture to enter the small fragment back interface. Click to the previous page.

to return

8.3.2.3 Tag playback

In this menu, you can view all the tags that have been added.

								Live Playback	Remote Setting	Local Settings	•
Tag		No.	Name	Channel	Date	Time	Playback	Edit		Delete	
Start time			Tag	IP CH2	04/11/2022	13:27:27					
	00 + 00 + 00		Tag	IP CH2	04/11/2022	13:27:45		0.		Ĥ	
End time											
2022-4-13											
Keyword											
AI											
и СН1	CH2										
🗾 СНЗ	CH4										
🗹 СН5	CH6										
🗾 СН7	CH8										
🗹 CH9	CH10										
🗹 CH11	CH12										
CH13	CH14										
CH15	CH16										
IP CH1	IP CH2										
🗾 IP CH3	IP CH4										
IP CH5	IP CH6										
🗾 IP CH7	IP CH8										
🗾 IP CH9	IP CH10										
IP CH11	IP CH12										
🗾 IP CH13	IP CH14										
IP CH15	IP CH16										
IP CH17	IP CH18										
🗾 IP CH19	IP CH20										
IP CH21	IP CH22										
IP CH23	IP CH24										
	Search										

Please view 7.1.5 TAG Playback.

8.3.2.4 Smart playback

On <u>5.1.6 Motion</u> set up motion detection, human triggering motion detection alarm, you can find Smart Pickled Played Video.





Click button to show smart set up area. Click button to select all area; click delete all selected area.

8.3.2.4 AI Playback

On <u>5.4 Al</u> set up Al alarm, you can search Al alarm events here. Search face detection, license plate detection, PD&VD, PID&LCD, repeat customer, face attendance.



8.3.3 Remote Setting

Here you can remotely configure the settings of the DVR. Please see "<u>Chapter 5 DVR System</u> <u>Setup</u>" for more details on the DVR settings.

Channel CH1 CH2 CH3 CH3 CH4 CH4 CH5 CH4 CH5 CH5 CH4 CH5 CH4 CH5 CH4 CH5 CH4 CH4 CH4 CH4 CH4 CH4 CH4 CH4 CH4 CH4	Namo cover23-CH1 CP28@N#V6#9543-5ds15ds15ds1 CP38@n46#96#95432 CP38@n46#96#975545 CP38#ds1abdf@n5645	Status	Switch	
CH1 CH2 CH3 CH4 CH4 CH4 CH5	cover123-CH1 CH21@M#%#%*\$&*s3da1s435as35ds1 CH3sdfa.lafk/@*%o2112 CH4admjaj#/75545			
CH2 CH3 CH4 CH5	CH2l@f%#%#%&%s3da1s435as35ds1 CH3sdfa.lstMge%%o2112 CH4adsnjajkf75545			
CH3 CH4 CH5	CH3sdfaJslfk@%o2112 CH4adsnjajk/75545		_	
СНИ	CH4adsnjajid75545			
CH5				
	CH5adsajdkhndhasd1322			
CH6	CH6			
CH7	CH7			
CH8	CH8			
CH9	CH9			
CH10	CH10			
CH11	CH11			
CH12	CH12			
CH13	CH13			
CH14	CH14		—	
CH15	CH15			
CH16	CH16		<u> </u>	
	CH8 CH9 CH9 CH9 CH9 CH1 CH1 CH1 CH13 CH13 CH14 CH15 CH15 CH15 CH15 CH15 CH15 CH15 CH15	G8 G8 G9 G9 G111 G111 G111 G111 G112 G113 G113 G113 G114 G114 G113 G113 G114 G114 G115 G115 G116 G116	CHB CHB P CHB CHB P	

8.3.4 Local Setting

Set download locations for recordings and snapshots taken using Web Client, and choose file type for video files.

Path configuration								
Record Path	D:\Device\Record		Đ					
Download Path	D:\Device\Download		Þ					
Snapshot Path	D:\Device\Capture		Ð					
File type	MP4	~						
Capture Type	JPG	\sim						
	Save							

Record Path: Click **t** to browse for and select the folder where you would like the manual video recordings to be saved on your computer.

Download Path: Click **to** browse for and select the folder where you would like to save the download video recordings to your computer.

Snapshot Path: Click to browse for and select the folder where you would like the manual capture snapshots to be saved on your computer.

File Type: Choose your preferred file type for manual recordings.

Capture Type: Choose your preferred file type for manual capture.

Save: Click to save the modifications.



Appendix

A. Supported Hard Disk Drives

To see the supported hard disk drives for UA-XVR1620, see the UA-HD DVR HDD Compatibility Table <u>here</u>.

B. Troubleshooting

1. Q: What can I do if the system does not detect the HDD?

A: Check if the power supply system is properly connected and data cord and power cables are securely connected, and if there's something wrong with the HDD interface. Or you may check if your HDD is supported by referring to the specifications or descriptions.

2. Q: I have changed the password but forget the new password, how can I access the system?

A: If you forget system password, consult with our technical personnel. We strongly suggest user to set password easy to be remembered and relatively safe. If you have safety requirement, do not set very simply password, such as 000000.

Q: We see abnormal video signal or even no video signal by connecting the DVR and camera together. Power supply for both devices is OK. What is wrong?
 A: Check network cable at DVR side to see if the cable is firmly connected and if it is worn out and needs to be replaced, or to check if NTSC or PAL is selected consistently.

4. Q: How to prevent DVR from being influenced by heat?

A: The DVR needs to dissipate heat while it is running. Place the DVR in a place with good air circulation and away from heat sources to ensure stability and life of the DVR.

- Q: I want to take out HDD from my PC and install it in DVR. Can it work?
 A: All HDDs supported by the system can be used. But remember, once the DVR runs, the data on your HDD will be lost.
- 7. Q: Can I play back while recording?

A: Yes. The system supports the function of playing while recording.

8. Q: Can I clear some records on the HDD of the DVR?

A: In consideration of the file security, you may not clear part of records. If you want to remove all the records, you can format HDD.

9. Q: Why can't I log in DVR client?

A: Check if the network connection settings are correct and RJ-45 port is with good contact. And check if your account and password are correctly input.

10. Q: Why can't I find any records during playback?

A: Check if the data line connection for HDD is OK and system time is properly adjusted. Try a few times and restart. If it still doesn't work, check if the HDD is broken.

11. Q: Why DVR cannot control PTZ?

A: Check if:

- a) PTZ in the front side is malfunctional.
- b) Setting, connection and installation of PTZ decoder are not correct.
- c) PTZ setting of DVR is not correct.
- d) Protocol of PTZ decoder does not match that of DVR.
- e) Address of PTZ decoder does not match that of DVR.
- f) If many decoders are connected, the farthest side of AB line of PTZ decoder should be added 120Ω resistance to realize reflection suppression and impedance matching. Otherwise, PTZ control will be unstable.

12. Q: Why doesn't dynamic detection work?

A: Check if the motion detection time and motion detection regional setting are correct and if the sensitivity is set too low.

13. Q: Why doesn't alarm work?

A: Check if the alarm setting, alarm connection and alarm input signals are correct.

14. Q: Why does buzzer keep alarming?

A: Check the alarm setting, check if motion detection function is enabled and object motion is detected all the time and if I/O alarm is set as Always Off. Besides, refer to corresponding HDD alarm setting.

15. Q: Why can't I stop recording by pressing "STOP" button or click "Stop Recording" in context menu?

A: Pressing Stop or Stop Recording can only stop manual record. If you want to stop Scheduled recording in certain time quantum, change the setting to No Record. To stop Startup recording, change record mode to scheduled recording or manual recording. Then you may stop recording by the prescribed methods. And another way of stopping recording is to set channel as off status in record setting.