

Quick Start Guide



GV-SNVR3203, GV-SNVR6403

The Vision of Security



Thank you for purchasing GV-SNVR. This guide is designed to assist the new user in getting immediate results from the GV-SNVR. For advanced information on how to use the GV-SNVR, please refer to *GV-SNVR User's Manual*.



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1 LED Indicators

LED	Status	Description
RUN (Operation)	Steady on	Normal.
	Blinking	Starting up.
ALM (Alarm)	Steady on	Device alarm occurred.
NET (Network)	Steady on	Connected to network.
GUARD (Arming)	Steady on	Arming is enabled.
CLOUD	Not functional.	
HD (Hard disk)	Steady on	No disk; or disk is abnormal.
	Blinking	Reading or writing data.

2 Overview

The following part shows the front and rear panels of the NVR models.

2.1 GV-SNVR3203 / GV-SNVR6403 Front View

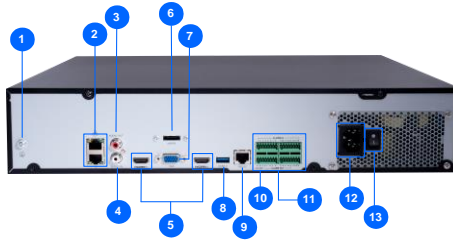


No.	Name	Description
1	LED Indicators	See 1. LED Indicators .
2	Front Panel Buttons	See 2.3 Front Panel Buttons .
3	USB 2.0 Ports	Connects to a keyboard, mouse, or USB flash drive.
4	Power Button	To shut down the NVR, press this button and hold for at least 3 seconds until a message appears. Click yes.

Note:

1. The shutdown operation can be performed only when you have logged in to the system.
2. To turn on the NVR, switch on the power button at the rear panel. See [2.2 GV-SNVR3203 / GV-SNVR6403 Rear View](#).

2.2 GV-SNVR3203 / GV-SNVR6403 Rear View






















No.	Name	Description
1	Grounding Screw	Fixes the NVR to the ground.
2	Network Ports	Connects to the network.
3	Audio Line Out Port	Connects to a speaker.
4	Audio Line In Port	Connects to a microphone.
5	HDMI Output Ports	Connects to HD TVs.
6	eSATA	Connects to external storage devices.
7	VGA Output Port	Connects to a VGA monitor.
8	USB 3.0 Port	Connects to a keyboard, mouse, or USB flash drive.
9	RS232	Not functional.
10	RS485	Conects to a PTZ camera.
11	Alarm In/Out Ports	Connects to alarm input/output devices.
12	Power Input	Connects to power supply.
13	Power Button	Turns the system on or off.

Note:

- HDMI output ports do not support for audio output on the connected monitors.
- One 4K video output (HDMI) and two 1080p video outputs (HDMI / VGA) are supported.

2.3 Front Panel Buttons

Button	Description
	Display the main menu.
	Switch to the next tab on the screen or switch the input method.
	Auxiliary function button.
	Exit the current window.
	<ul style="list-style-type: none"> • The 4 arrows: Switch windows or menu items; or control rotation directions of a PTZ camera when the PTZ toolbar is closed. PTZ stands for pan, tilt, and zoom. • OK button: Confirm an operation, or start/pause the playback.
	Enter 1.
	Enter 2, A, B, or C; or start instant playback.
	Enter 3, D, E, or F; or start manual recording.
	Enter 4, G, H, or I; or enter the PTZ control interface.
	Enter 5, J, K, or L; or switch the screen layout in live view or playback mode.
	Enter 6, M, N, or O; or enable or disable arming.
	Enter 7, P, Q, R, or S; or take a snapshot.
	Enter 8, T, U, or V.
	Enter 9, W, X, Y, or Z.
	Enter 0 or a space.
	Delete.
	Switch the input method.
	Auxiliary function button.

Button	Description
	Enter 0 or a space.

3 Disk Installation

The illustrations are for reference only. The actual device may vary.

3.1 Preparation

Disconnect power before installation.

3.2 Remove Upper Cover

1. Loosen the screws on the upper cover.

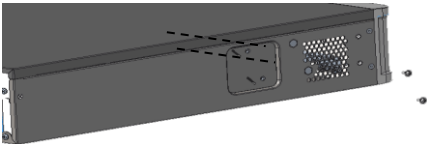


2. Slide the upper cover backward, then lift it up to remove the cover.



3.3 Install Disks

1. Loosen the screws of the mounting plate on the side panels.



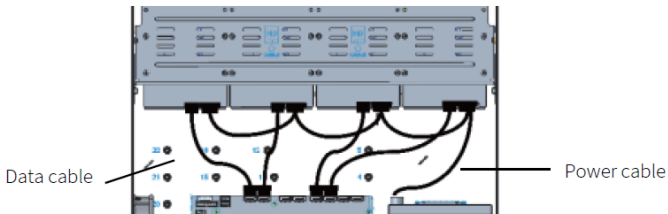
2. Turn the upper mounting plate in the shown direction, then remove the plate. Repeat the steps to remove the lower mounting plate (for 8-HDD devices only).



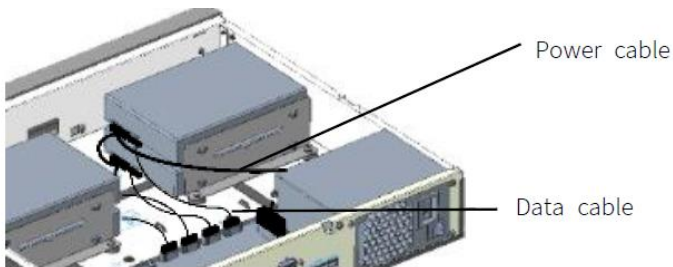
- Secure the disks on the mounting plate. Fix the screws according to the figure below. Avoid damaging the disk in the process.



- Put the mounting plate back in place. Connect the power cables and data cables as shown in the figure. Repeat the steps to connect all the disks.



- Put the cover back in place, and secure it and the mounting plates with screws.




4 Startup and Shutdown

Make sure the cables are connected correctly and the device is grounded properly. Use a power supply that meets requirements.

4.1 Startup

Connect the device to power and turn on the power switch.

4.2 Shutdown

Click  > **Shutdown** on the screen toolbar in live view page.

CAUTION!

Do not disconnect power when the NVR is operating or shutting down.

5 Local Operations

5.1 Add IP Devices


Before you begin, make sure the devices are connected to your NVR via network.

5.1.1 Quick Add

Follow the wizard to the fourth step. Select the devices to add in the discovered device list, and then click **Add**.

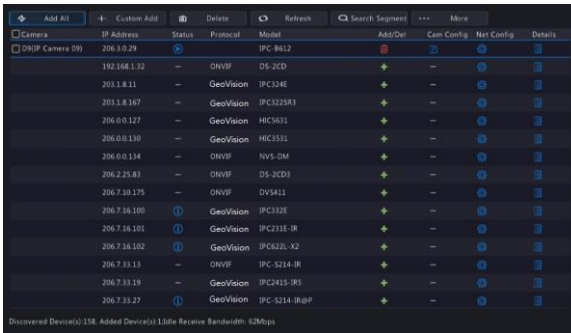


NOTE!

After the device is added, if wrong username or password message shows in the preview window, click  in the window toolbar and enter the correct username and password.

5.1.2 Custom Add

1. Right click in the preview page, click **Menu > Camera > Camera**.
2. Click **Custom Add**, enter the IP address and other required information.



Camera	IP Address	Status	Protocol	Model	Add/Del	Cam Config	Net Config	Details
OHIP Camera (9)	206.3.0.29			IPC 8612				
	192.168.1.32	-	ONVIF	DS-2CD	+	-		
	203.1.8.11	-	GeoVision	IPC24E	+	-		
	203.1.8.167	-	GeoVision	IPC223R1	+	-		
	206.0.0.127	-	GeoVision	HIC601	+	-		
	206.0.0.130	-	GeoVision	HIC331	+	-		
	206.0.0.134	-	ONVIF	NVS-DM	+	-		
	206.2.25.83	-	ONVIF	DS-2CD3	+	-		
	206.7.10.175	-	ONVIF	DV5411	+	-		
	206.7.16.100		GeoVision	IPC33E	+	-		
	206.7.16.101		GeoVision	IPC211E-IR	+	-		
	206.7.16.102		GeoVision	IPC620-X2	+	-		
	206.7.33.13	-	ONVIF	IPC-5214-IR	+	-		
	206.7.33.19	-	GeoVision	IPC415-IR5	+	-		
	206.7.33.27		GeoVision	IPC-5214-IR-IP	+	-		

3. Check the status of camera. means the camera gets online successfully. If the status icon is grayed out, place your mouse cursor over the icon to view the cause of error. Click the edit button to modify device information.

NOTE!

- You can also click to add a device.
- Click **Search Segment** to search for devices in a specified network segment.

5.2 Playback

In the preview page, select the desired window, then right click and select **Playback** to play the recording of the current day.

NOTE!

- A 7*24 recording schedule is enabled by default. To set a recording schedule manually, right click and select **Menu > Storage > Recording** and then set recording type and time based on your needs.
- If you choose **Event** type recording, you need to enable the corresponding alarm function and configure alarm-triggered recording/snapshot first.

6 Remote Access via Mobile Devices

The NVR supports for remote access via mobile devices based on Android and iOS operating system. Refer to [GV-Eye Installation Guide](#) for details on operating instructions.

 **NOTE!**

This function is only applicable to GV-Eye V3.0.0 or later.

7 Web Login

Before you begin, check that your PC is connected to your NVR through network.

1. Open the browser on your PC, enter the IP address (192.168.0.100 / 192.168.1.100) in the address bar, then press **Enter**.
-

NOTE!

Install the plugin as required at first login. Close your browser during the installation.

2. On the login page, enter the default username (admin) and password (123456) or the modified password based on your configurations on the NVR, then click **Login**.

Safety Warnings

Network Security

Please take all necessary measures to enhance network security for your device.

The following are necessary measures for the network security of your device:

- **Change default password and set strong password:** You are strongly recommended to change the default password after your first login and set a strong password of at least nine characters including all three elements: digits, letters, and special characters.
- **Keep firmware up to date:** It is recommended that your device is always upgraded to the latest version for the latest functions and better security. Visit GeoVision's official website or contact your local dealer for the latest firmware.

The following are recommendations for enhancing network security of your device:

- **Change password regularly:** Change your device password on a regular basis and keep the password safe. Make sure only the authorized user can log in to the device.
- **Enable HTTPS/SSL:** Use SSL certificate to encrypt HTTP communications and ensure data security.
- **Enable IP address filtering:** Allow access only from the specified IP addresses.
- **Minimum port mapping:** Configure your router or firewall to open a minimum set of ports to the WAN and keep only the necessary port mappings. Never set the device as the DMZ host or configure a full cone NAT.
- **Disable the automatic login and save password features:** If multiple users have access to your computer, it is recommended that you disable these features to prevent unauthorized access.
- **Choose username and password discretely:** Avoid using the username and password of your social media, bank, email account, etc., as the username and password of your device, in case your social media, bank and email account information is leaked.
- **Restrict user permissions:** If more than one user needs access to your system, make sure each user is granted only the necessary permissions.
- **Disable UPnP:** When UPnP is enabled, the router will automatically map internal ports, and the system will automatically forward port data, which results in the risks of data leakage. Therefore, it is recommended to disable UPnP if HTTP and TCP port mapping have been enabled manually on your router.
- **Multicast:** Multicast is intended to transmit video to multiple devices. If you do not use this function, it is recommended you disable multicast on your network.

- **Check logs:** Check your device logs regularly to detect unauthorized access or abnormal operations.
- **Isolate video surveillance network:** Isolating your video surveillance network with other service networks helps prevent unauthorized access to devices in your security system from other service networks.
- **Physical protection:** Keep the device in a locked room or cabinet to prevent unauthorized physical access.
- **SNMP:** Disable SNMP if you do not use it. If you do use it, then SNMPv3 is recommended.

Safety Warnings

The device must be installed, serviced, and maintained by a trained professional with necessary safety knowledge and skills. Before you start using the device, please read through this guide carefully and make sure all applicable requirements are met to avoid danger and loss of property.

Storage, Transportation, and Use

- Store or use the device in a proper environment that meets environmental requirements, including and not limited to, temperature, humidity, dust, corrosive gases, electromagnetic radiation, etc.
- Make sure the device is securely installed or placed on a flat surface to prevent falling.
- Unless otherwise specified, do not stack devices.
- Ensure good ventilation in the operating environment. Do not cover the vents on the device. Allow adequate space for ventilation.
- Protect the device from liquid of any kind.
- Make sure the power supply provides a stable voltage that meets the power requirements of the device. Make sure the power supply's output power exceeds the total maximum power of all the connected devices.
- Verify that the device is properly installed before connecting it to power.
- Always disconnect the device from power before attempting to move the device.
- Take proper waterproof measures in accordance with requirements before using the device outdoors.

Power Requirements

- Install and use the device in strict accordance with your local electrical safety regulations.
- Use a UL certified power supply that meets LPS requirements if an adapter is used.
- Use the recommended cord set (power cord) in accordance with the specified ratings.
- Only use the power adapter supplied with your device.

- Use a mains socket outlet with a protective earthing (grounding) connection.
- Ground your device properly if the device is intended to be grounded.

Battery Use Caution

- When battery is used, avoid:
 - Extremely high or low temperature and air pressure during use, storage, and transportation.
 - Battery replacement.
- Use the battery properly. Improper use of the battery such as the following may cause risks of fire, explosion or leakage of flammable liquid or gas.
 - Replace battery with an incorrect type;
 - Dispose of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery;
- Dispose of the used battery according to your local regulations or the battery manufacturer's instructions.