USAVision sys

Quick Start Guide

UA-SNVR



- **UA-SNVRL810-P**
- **UA-SNVR1620-P**
- **UA-SNVR256G0-N**
- **UA-SNVR3240-N**

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

UVSSNVR-QG-H

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GeoVision, Inc.
9F, No. 246, Sec. 1, Neihu Rd.,
Neihu District, Taipei, Taiwan
Tel: +886-2-8797-8377
Fax: +886-2-8797-8335
http://www.geovision.com.tw

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1. Introduction

Welcome to the *UA-SNVR Quick Start Guide*. In the following sections, you will learn about the basic installations and configurations. For more details, see *UA-SNVR User's Manual*.

Note: The first time you run the NVR, you will be required to set your password immediately in order to protect your privacy. Please be sure to record your username and password and save them in a secure place. If you forget your password, you will be unable to log in the system. For this case, please contact your reseller to reset the password.

1.1 Front View

1.1 UA-SNVRL810-P/SNVR1620-P/SNVR3240-N



Item	Description
Power LED	Show constant green when power is supplied.
HDD LED	Show constant red when the HDD is connected. Flash red when recording or playback is enabled.
USB Port	Connect the supplied mouse or USB flash memory.

1.2 UA-SNVR256G0-N



Item	Description
Power LED	Show constant green when power is supplied.
HDD LED	Show constant green when HDD is operating properly. Flash green when data is being written or read. No LED is shown when no HDD is detected or the HDD is faulty.
LAN HDD	Show constant green when connected to the network.
USB Port	Connect the supplied mouse or USB flash memory.

1.2 Rear View

1.2.1 UA-SNVR256G0-N



Item	Description
Reset Button	Used to restore the factory settings. You can press and hold the button for 10 seconds to make the system automatically restore the factory settings. The buzzer will ring four times at the same time.
Audio Input / Output	Connect audio input/output device.
RS323	Used for debugging and maintaining the device.
HDMI Port-1	Primary output interface of the device, supporting output with 8K resolution.
HDMI Port-2	Secondary output interface of the device, supporting output with 4K resolution.
HMDI Port-3	Secondary output interface of the device, supporting output with 4K resolution.
HDMI Port-4	Secondary output interface of the device, supporting output with 1080P resolution.
Power Switch	Start up and shut down the NVR system.
Power Port	Connect the attached power supply.

USB Port	Connect a USB device, such as USB mouse and USB flash disk.
e-SATA	Connected to an external storage device.
Reset	Restore the device to its default settings. The reset hole is under the USB Port.
LAN1/2	Gigabit network interface for connecting network cables.
RS-485	Connected to an RS485 standard device, such as a keyboard.
Alarm Input Interface	Connect to alarm input devices.
Alarm Output Interface	Connect to alarm output devices.
Power Switch	Used to power on/off the device.
Power Port	Connect the attached power supply.
Grounding Terminal	Connect to the grounding cable.

1.2.2 UA-SNVR3240-N



Item	Description
Power Switch	Start up and shut down the NVR system.
Power Port	Connect the attached power supply.
USB Port	Connect a USB device, such as USB mouse and USB flash disk.
Sensor / Alarm / RS-485 Terminal Block	Connect to sensor, alarming devices, and/or RS-485 PTZ cameras.
Reset	Restore the device to its default settings. The reset hole is under the USB Port.
HDMI Port	Connect a HDMI-supported monitor.
VGA Port	Connect a VGA monitor, such as PC monitor.
LINE IN	Connect a microphone.
Audio Output	Connect a speaker.
WAN Port	Connect to an external network.
LAN Port	Connect to a router or switch for connecting cameras.

IMPORTANT: WAN and LAN ports are not linked, and the LAN port does not have the internet access. If you want to connect IP cameras to the LAN port to create a separate and local network, see *3.2 Getting Started for UA-SNVR3240-N*.

1.2.3 UA-SNVR1620-P



Item	Description
Power Switch	Start up and shut down the NVR system.
Power Port	Connect the attached power supply.
USB Port	Connect a USB device, such as USB mouse and USB flash disk.
Sensor / Alarm Terminal Block	Connect to sensor or alarming devices.
Reset	Restore the device to its default settings. The reset hole is under the USB Port.
HDMI Port	Connect a HDMI-supported monitor.
VGA Port	Connect a VGA monitor, such as PC monitor.
LINE IN	Connect a microphone.
Audio Output	Connect a speaker.
WAN Port	Connect to an external network.
LAN Port	Connect up to16 cameras, with PoE supply.
RS-485 Terminal Block	Connect to a PTZ camera.

1.2.4 UA-SNVRL810-P

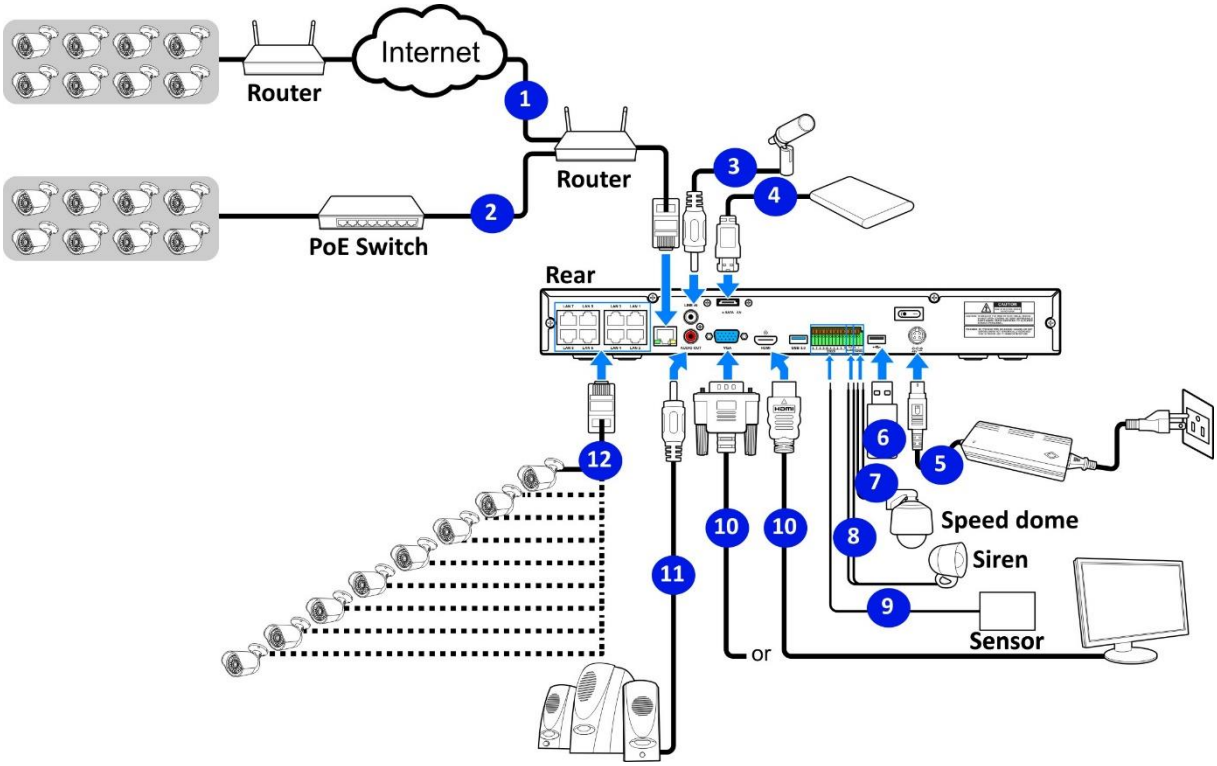


Item	Description
Power Switch	Start up and shut down the NVR system.
Power Port	Connect the attached power supply.
USB Port	Connect a USB device, such as USB mouse and USB flash disk.
Reset	Restore the device to its default settings. The reset hole is under the USB Port.
HDMI Port	Connect a HDMI-supported monitor.
VGA Port	Connect a VGA monitor, such as PC monitor.
Audio Output	Connect a speaker.
WAN Port	Connect to an external network.
LAN Port	Connect up to 8 cameras, with PoE supply.

2. Installation

2.1 Connection Diagram

The following diagram is for reference only. The practical connection may be different depending on the NVR you purchased.



1. You can connect to other IP cameras remotely over the Internet.
2. Connect a CAT.5E or higher RJ45 Ethernet cable for local connectivity. You can connect to other IP cameras through your local network.
3. Two-way voice conversation with the remote PC.
4. Connect an external hard disk drive to back up files stored on the NVR.
5. Connect the included power cable.
6. Use the USB flash disk for backup, camera, or system upgrade.
7. Connect a RS-485 device such as speed dome camera.
8. Connect an external alarm output device such as siren.
9. Connect external alarm sensors.
10. Connect the video output of the NVR to the TV or monitor via HDMI or VGA connection.
11. Connect speakers if you want to listen to the live audio or audio playback from the NVR.
12. Connect PoE IP cameras. It may take up to 1 minute for the cameras to start transmitting video to the NVR.

2.2 HDD Installation

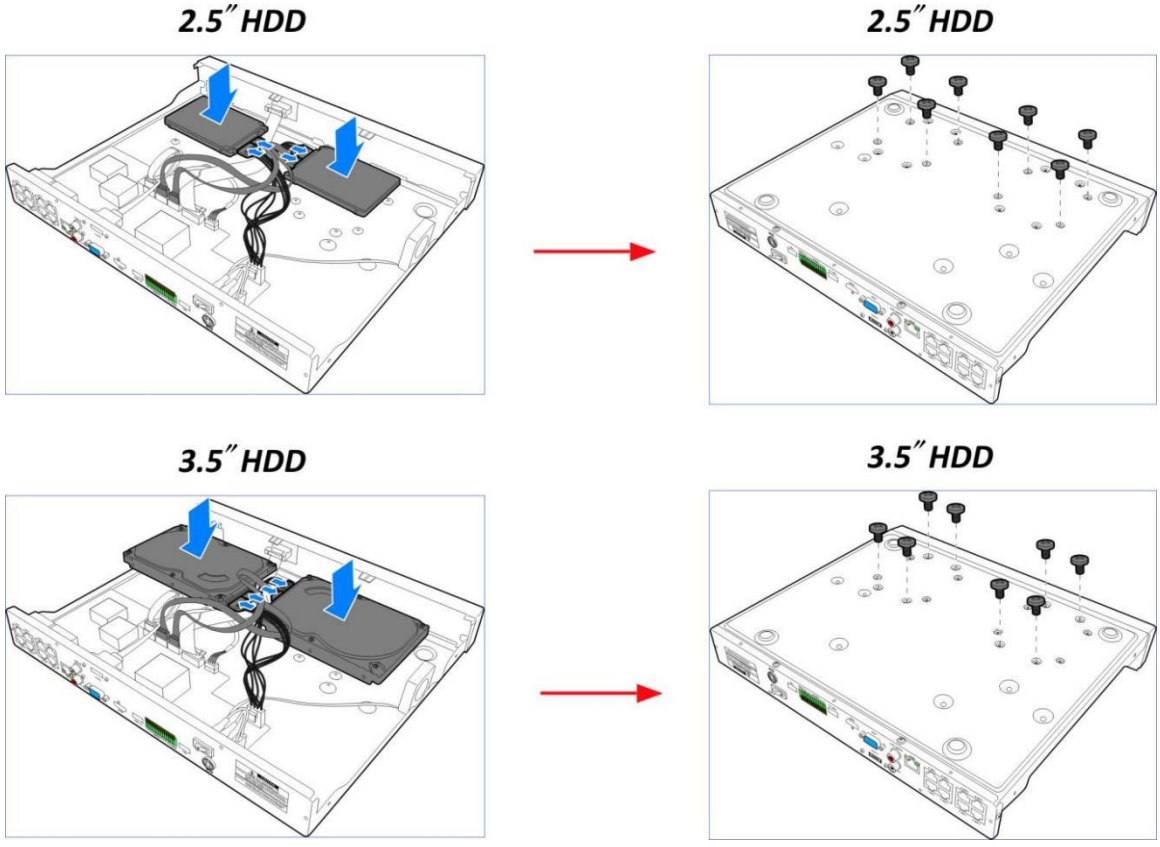
The number of 3.5" / 2.5" SATA hard drives that the NVR can support varies depending on the model. The following procedures are for reference only. The practical operation may be different depending on the NVR you purchased.

Caution: Do not install or remove the hard disk drive while the power is turned on.

For UA-SNVRL810-P/SNVR1620-P/SNVR3240-N

a) Connect the data and power cables to the two hard disk drives and place the hard disk drives on the NVR case.

b) Carefully flip the NVR case and secure the hard disk drives to the NVR with the eight (8) screws



For UA-SNVR256G0-N

1. Remove the placeholder from the ejector lever.



2. Install the ejector lever of the hard drive

   Use screws to fix the hard drive on the ejector lever. You can distinguish between the left side and the right side in accordance with the indicators on the ejector lever.



3. Open the front panel

   Press the buckles on the two sides on the upper part of the front panel and pull the front panel outwards.



4. Insert the hard drive

   Align the hard drive slot and insert the hard drive gently and smoothly.



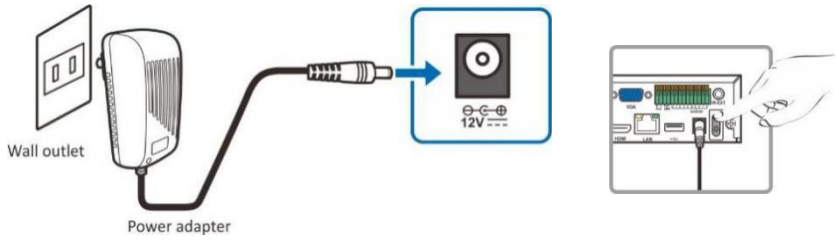
5. Buckle up the hard drive and close the front panel

   Push in the hard drive until you hear a click. After the hard drive is installed, close the front panel.

2.3 Power Supply Connection

Caution: Only use the supplied power adapter that comes with the NVR.

Connect one end of the power adapter to the power connector on the back of the NVR. Plug the other end of the power adapter into the wall outlet. And press the Power Switch to turn on the power.



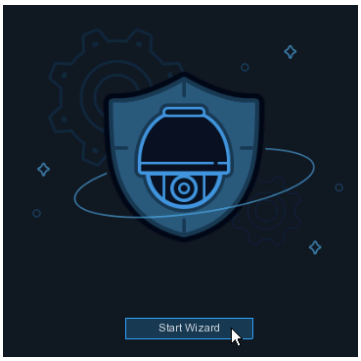
3. Getting Started

3.1 Start Wizard

Note: The Start Wizard does not work for **UA-SNVR3240-N**. For the first-time users of this model, see *3.2 Getting Started for UA-SNVR3240-N*.

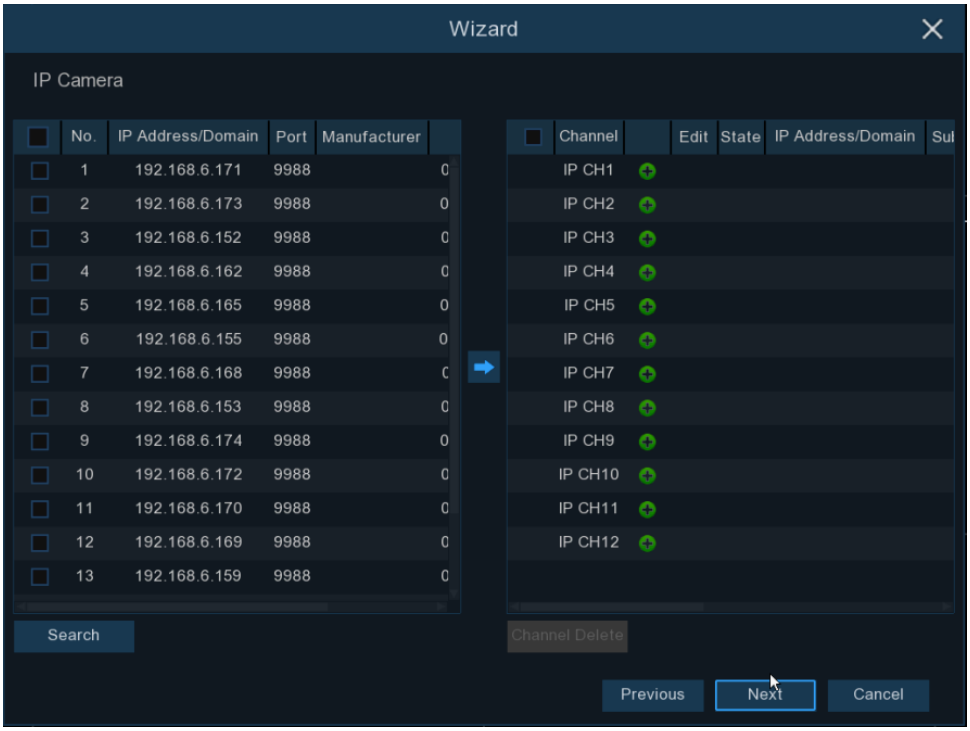
3.1.1 Start Wizard

Click **Start Wizard** to proceed to the next step.



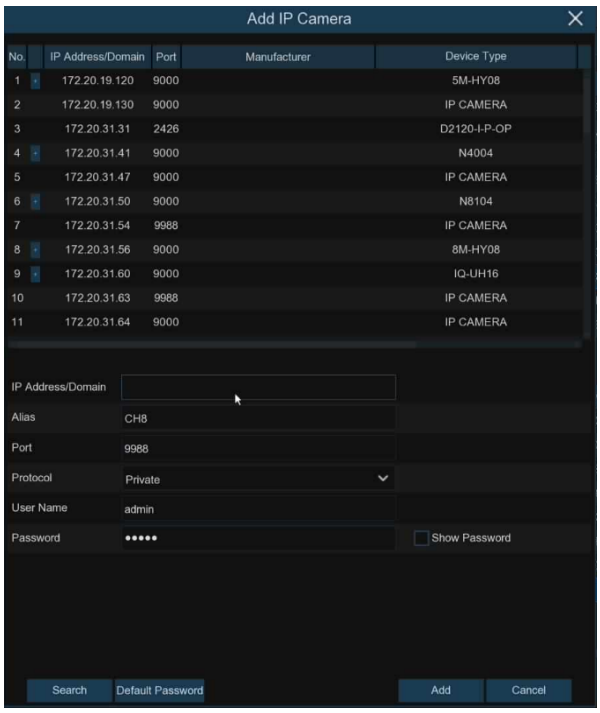
3.1.2 Connecting IP Cameras

After finishing setting **Network Configuration** and **Date and Time,** this page appears.



Click **Search** to search for IP cameras in the same network. Select the IP camera(s) you want to add, and then click icon to add to the NVR.

Or, click button to manually add an individual IP camera to a single channel. This dialog box appears.



- **IP Address/Domain:** Enter the IP address or domain name of the IP camera.
- **Alias:** Name the IP camera.
- **Port:** It is set to 80 by default. Modify it if necessary.
- **Protocol:** Select the protocol of the IP camera from the dropdown menu.
  - Select **Onvif** for UA-B20004F / UA-B40004F / UA-B4000VF-S / UA-D20004F / UA-D40002F / UA-D4000VF-S / UA-R40002F-SA / GV-IP cameras
  - Select **Private** for UA-B580F3 / UA-R500F2 / UA-R560F2 / UA-R580F2 / UA-R800F2
  - Select **RTSP**, and type the commands as shown below:
    Main Stream: rtsp://IP address:port/rtsp/streaming?channel=xx&subtype=0
    Sub Stream: rtsp://IP address:port/rtsp/streaming?channel=xx&subtype=1
- **User Name:** Enter the username of the IP camera.
- **Password:** Enter the password of the IP camera.

Click **Add** to add the IP camera to the NVR.

IMPORTANT:

1. 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-SNVR models.
2. 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 *Network Cameras User Manual* for details.

3.2 Getting Started for UA-SNVR3240-N

UA-SNVR3240-N has two network ports, LAN and WAN. Both ports are not linked, and the LAN port does not have the internet access. Therefore, there are two methods for connecting IP cameras to UA-SNVR3240-N.

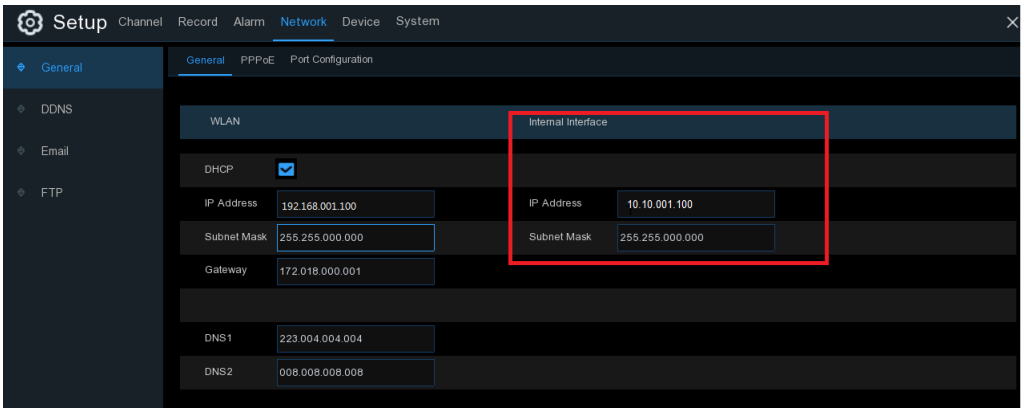
1. Connect IP cameras and UA-SNVR3240-N to the **WAN** port, using a router.
2. Connect IP cameras to the **LAN** port, using a router, to have a separate and local network.

To connect IP cameras to the LAN port, follow the steps below:

1. Before connecting, configure the following first:
   - Prepare a router with a different IP address in the same network segment as the NVR.
   - Set up the ID and Password for each IP camera.
2. On the NVR's taskbar, click **Start Menu** > **Setup** > **Network** > **General**.



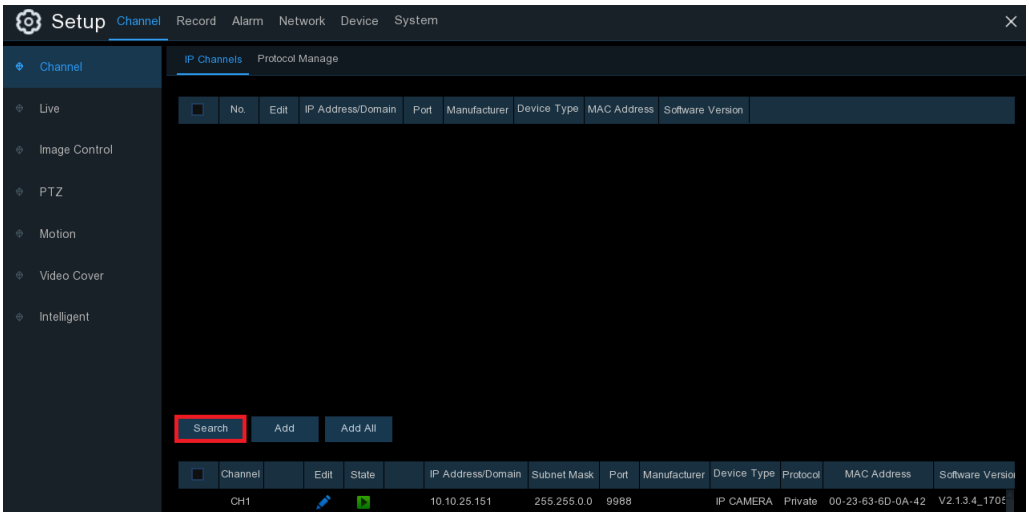
3. Under Internal Interface, enter the **IP address** and **Subnet Mask** of the router connecting to the NVR. The IP addresses of the WAN and LAN should not be identical, and both should have the same Subnet Mask.



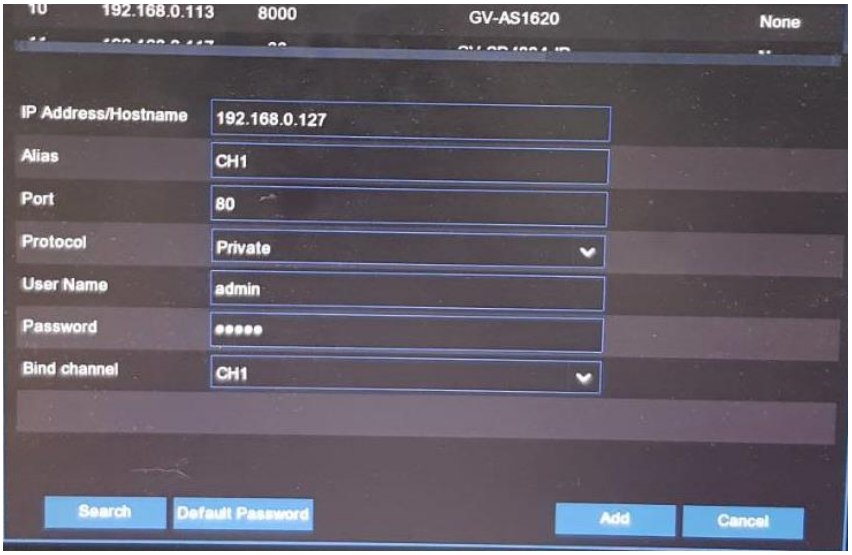
4. On the NVR's taskbar, click **Start Menu** > **Setup** > **Channel** > **Channel**.



5. Click **Search** to search for IP cameras from local network. The cameras found should be displayed in a list.



6. Select desired cameras in the list, and click **Add** or **Add All**. The Add IP Camera dialog box appears. The following is the dialog box when you click **Add** to add a camera.



- **Port:** It is set to 80 by default. Modify it if necessary.

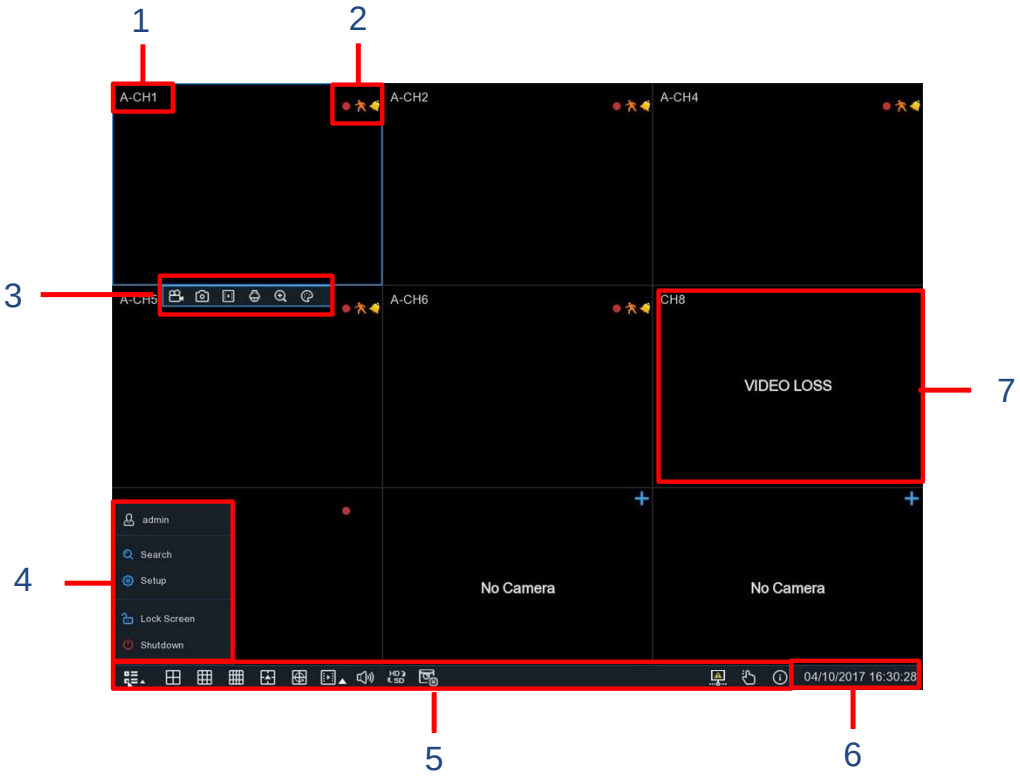
- **Protocol:** Select the protocol of the IP camera from the dropdown menu.
  - Select **Onvif** for UA-B20004F / UA-B40004F / UA-B4000VF-S / UA-D20004F / UA-D40002F / UA-D4000VF-S / UA-R40002F-SA / GV-IP cameras
  - Select **Private** for UA-B580F3 / UA-R500F2 / UA-R560F2 / UA-R580F2 / UA-R800F2
  - Select **RTSP**, and type the commands as the example below:
    Main Stream: rtsp://IP address:port/rtsp/streaming?channel=xx&subtype=0
    Sub Stream: rtsp://IP address:port/rtsp/streaming?channel=xx&subtype=1
- **User Name:** Enter the username of the IP camera.
- **Password:** Enter the password of the IP camera.
- **Bind channel:** Select a channel of the NVR you want to attach to.

IMPORTANT:

1. 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 when adding them to the NVR.
2. 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 *Network Cameras User Manual* for details.

3.3 Live View Overview

3.3.1 Main Window



No.	Name	Description
1	Camera Title	Display channel number.
2	Status Icon	This indicates that the NVR is currently recording. 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. This icon indicates the HDD is read-only.
3	Camera Quick Toolbar	Left-click on the screen to quickly access the camera's toolbar. Refer to *4.2.1 Camera Quick Toolbar* in the manual for details.

4	Start Menu	**admin**: To switch user. **Search**: Search & Playback. **Setup**: System Setup. **Lock Screen**: Lock and unlock screen. **Shutdown**: Shutdown, reboot, and log out the system.
5	Task Menu Bar	Locate at the bottom of the live view screen. Refer to *4.2.2 Taskbar* in the manual for details.
6	System Date and Time	Display the system's date and time.
7	OSD	**VIDEO LOSS:** The camera is disconnected. **No Camera:** No camera is assigned. **Decoding Failed:** The NVR doesn't support the current IP camera compression standard. Change the compression standard to H.264. **Failed to connect to camera, please check the network connection!:** The added camera is off-lined or lost connection. **User name or password error!:** Incorrect user name or password of the camera. **Resource Not Enough:** No enough system resource to decode the camera images. **No enough bandwidth for this camera!:** The camera cannot get online because the total bitrate of all connected cameras exceeds the NVR's bandwidth limitation. Click to open **Quick Add** menu to add IP camera. Click to edit the current IP camera.

For details, see *4.2 Live View Screen Overview* in the Manual.

4. Remote Access via Web Client

Use the **Web Client** to remotely access your NVR at any time via a PC. Before you access the **Web Client**, ensure that your PC's system meets the basic requirements and that the network settings of the NVR are configured properly.

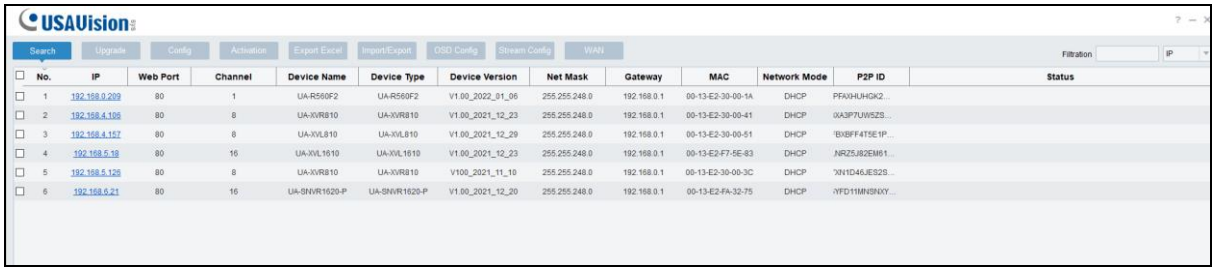
4.1 Basic System Requirements

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
OS	Windows 7 or above Mac OS X 10.9 or above	
DirectX	DirectX 11	
Direct3D	Acceleration Function	
Ethernet Adapter	10/100/1000M Ethernet Adapter	
Browser	IE 10 / 11 Safari V12.1 or above Firefox V52 or above Google Chrome V57 or above Edge V79 or above	

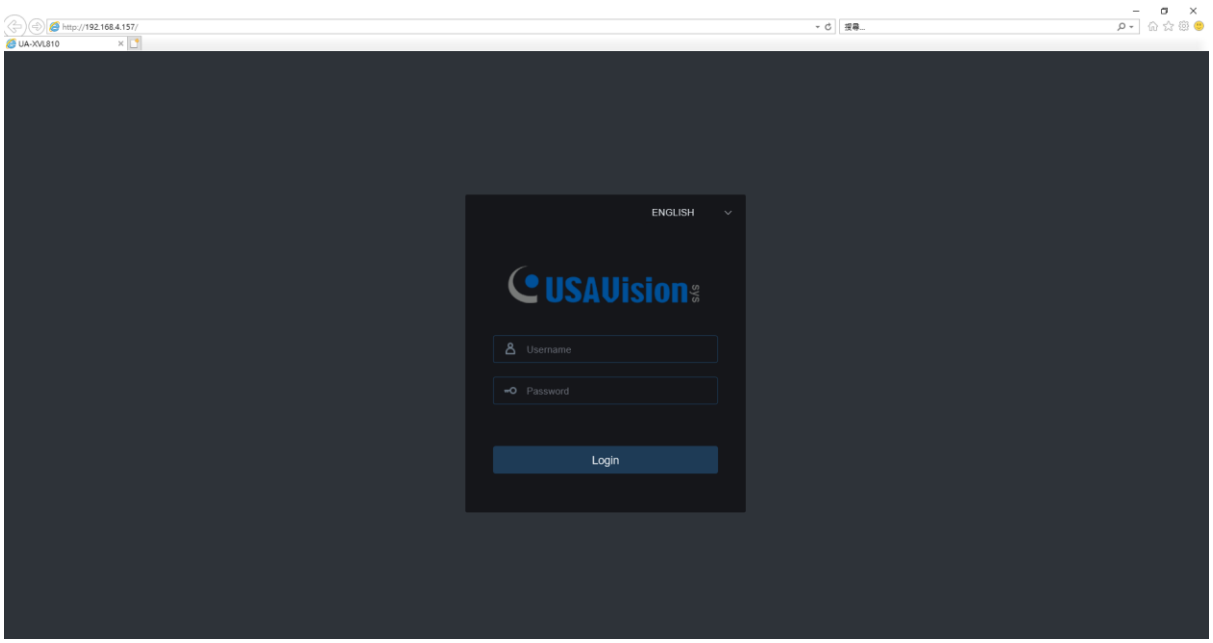
4.2 Looking Up the Dynamic IP Address

By default, when the NVR is connected LAN with DHCP server, it is automatically assigned with a dynamic IP address. Follow the steps below to look up its IP address.

1. Download and install **UVS Device Utility** from our website.
2. On the UVS Device Utility window, click **Search** to search for the devices connected in the same LAN.
3. Find the device with its Mac Address and click on its IP address.



4. The login web page appears.

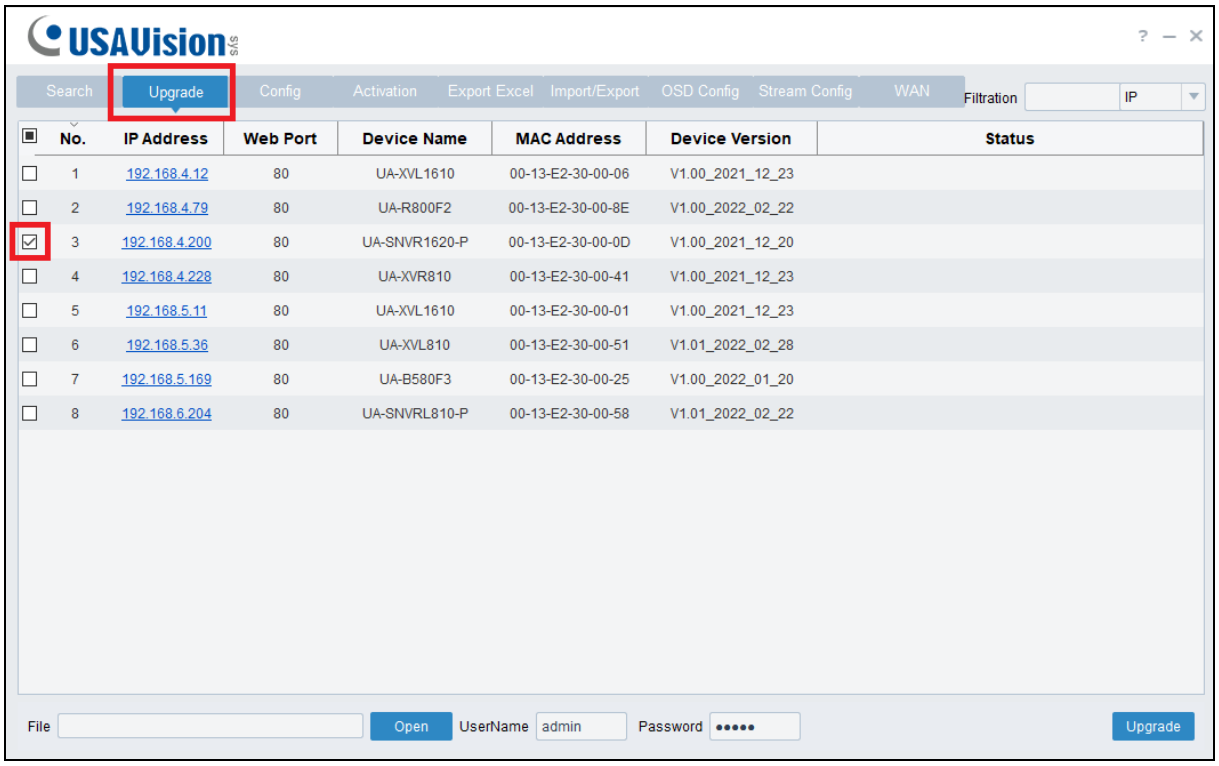


5. Upgrading Firmware

You can upgrade the firmware on the device remotely through **UVS Device Utility**. Follow the instructions below.

5.1 Upgrading Firmware

1. Download and install **UVS Device Utility** from our website.
2. On the UVS Device Utility window, click **Upgrade** and select the device you wish to upgrade the firmware on. Optionally, select several devices to upgrade the firmware at once.



3. Click **Open** to locate the firmware file saved at your local computer.
4. Enter the username and password of the device.
5. Click **Upgrade** to process the upgrade.