

Quick Start Guide



GV-TNVR1620-P

The Vision of Security



Thank you for purchasing GV-TNVR. This guide is designed to assist the new user in getting immediate results from the GV-TNVR. For advanced information on how to use the GV-TNVR, please refer to *GV-TNVR1620-P User's Manual*.



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



[Warranty]



[Technical Support Policy]

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1. Introduction

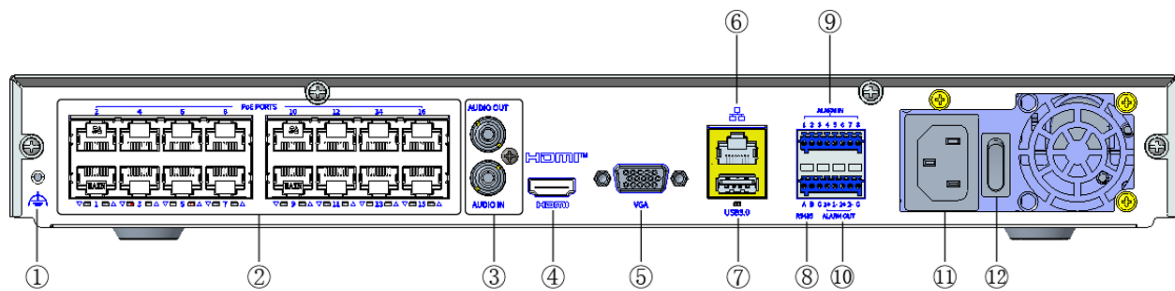
Welcome to the *GV-TNVR1620-P Quick Start Guide*. In the following sections, you will learn about the basic installations and configurations. For more details, see [GV-TNVR1620-P User's Manual](#).

Note: The NVR has a default ID (admin) and password (admin). For 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.

1.1 LED Indicator

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

1.2 Rear View



No.	Description	No.	Description
1	Grounding	2	PoE ports
3	Audio in/out	4	HDMI output
5	VGA output	6	Network
7	USB	8	RS485 (Not Functional)
9	Alarm input	10	Alarm output
11	AC power	12	Power on/off
Note: To turn on the NVR, switch on the power button at the rear panel.			

2. Disk Installation

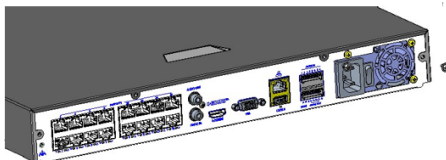
2.1 Preparation

- Prepare a 1# or 2# Philips screwdriver, a pair of antistatic gloves or a wrist strap.
- Disconnect power before installation.

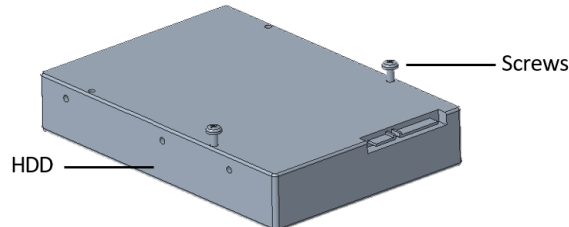
Note: For NVR to support the face library function, you must install a disk in slot 1.

2.2 Install Disks

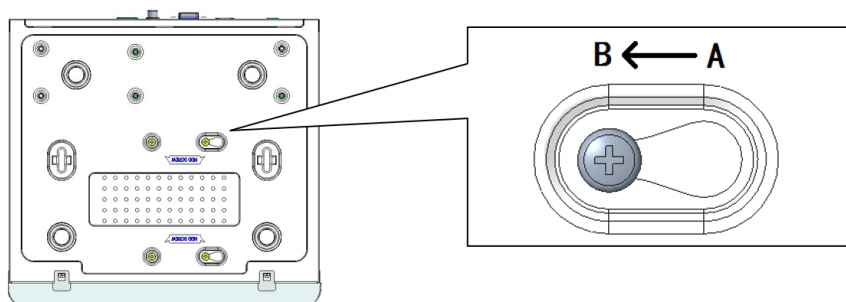
1. Loosen the screws on the rear panel and side panel and remove the upper cover.



2. Insert the screws into the disk and tighten the screws halfway.



3. Slide the disk into place from A to B, and fix the screws to secure the hard disk.



4. Connect the power cables and data cables.
5. Put the cover back in place and tighten the four screws.

3. Getting Started

3.1 Startup Wizard

The Wizard page appears after you login. Follow the wizard to complete the most basic setup, or click **Exit**

1. Select **Next**.



2. Set the time parameters, including time zone, date format, time format, and system time. Click **Next**.



3. Configure TCP/IP. Check **Enable DHCP** to automatically obtain an IP address, subnet mask and IP default gateway. You can also enter the information manually. Click **OK**.

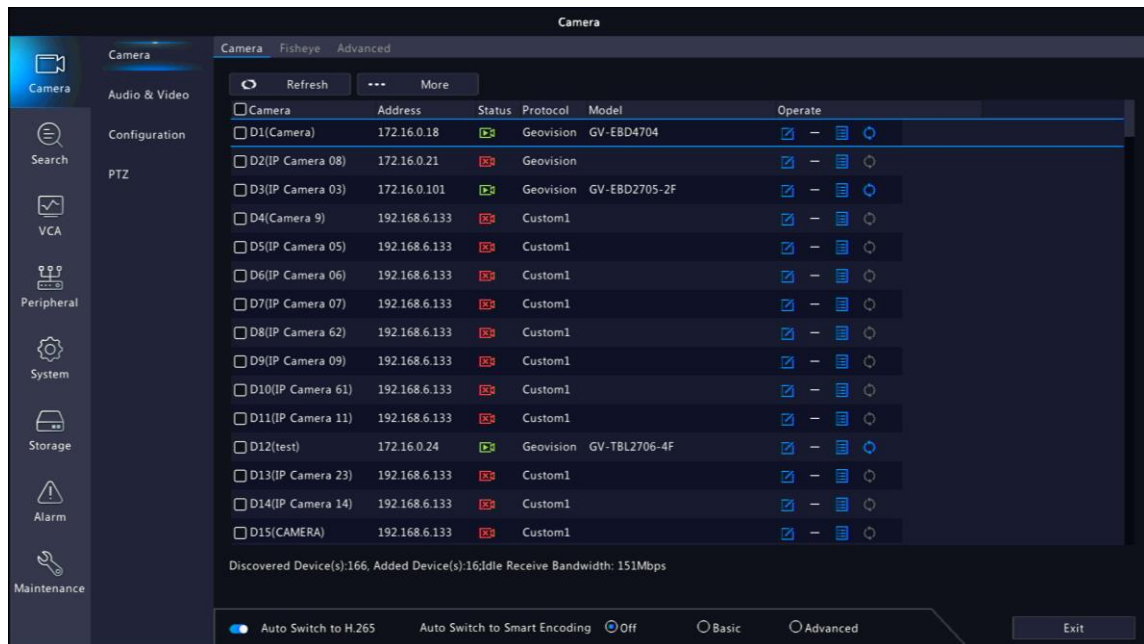


3.2 Connecting Cameras to PoE Ports

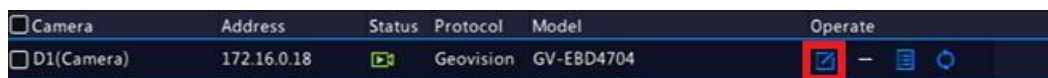
To connect cameras to the PoE ports of the NVR, using one of the following two methods.

Method 1:

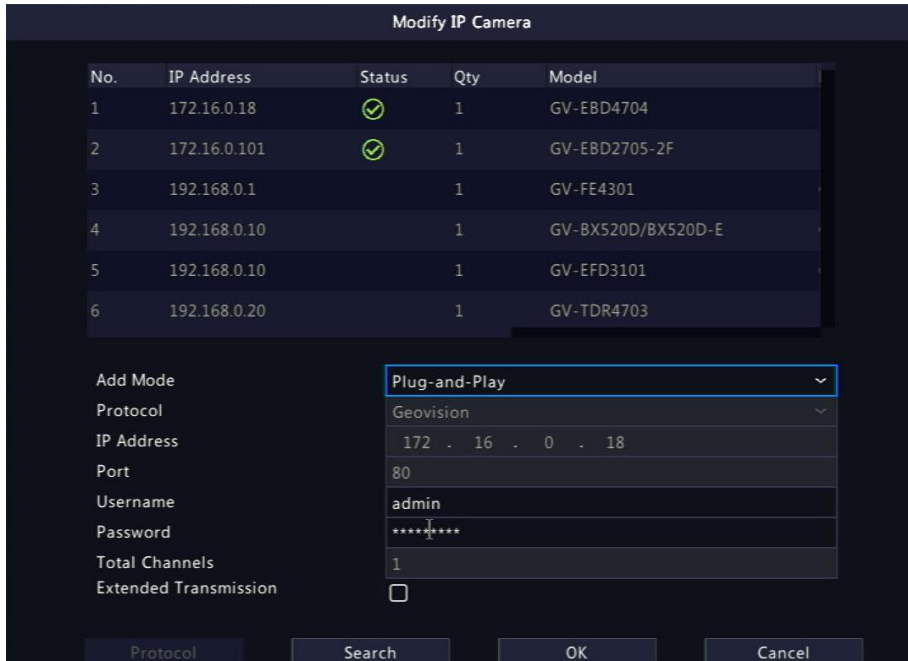
1. Connect an IP camera to a PoE port of the NVR with a network cable.
2. Go to **Menu > Camera > Camera > Camera**. This window appears.



3. Click the **Cam Config** button.



- On the Monidfy IP Camera window, the Add Mode is **Plug-and-Play** by default. Enter the camera's username and password.



No.	IP Address	Status	Qty	Model
1	172.16.0.18	✓	1	GV-EBD4704
2	172.16.0.101	✓	1	GV-EBD2705-2F
3	192.168.0.1		1	GV-FE4301
4	192.168.0.10		1	GV-BX520D/BX520D-E
5	192.168.0.10		1	GV-EFD3101
6	192.168.0.20		1	GV-TDR4703

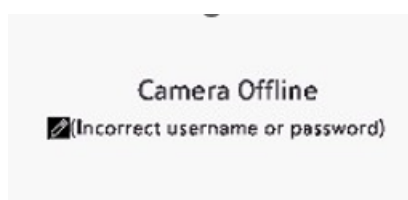
Add Mode: Plug-and-Play
 Protocol: Geovision
 IP Address: 172 . 16 . 0 . 18
 Port: 80
 Username: admin
 Password: *****
 Total Channels: 1
 Extended Transmission: ☐

Buttons: Protocol, Search, OK, Cancel

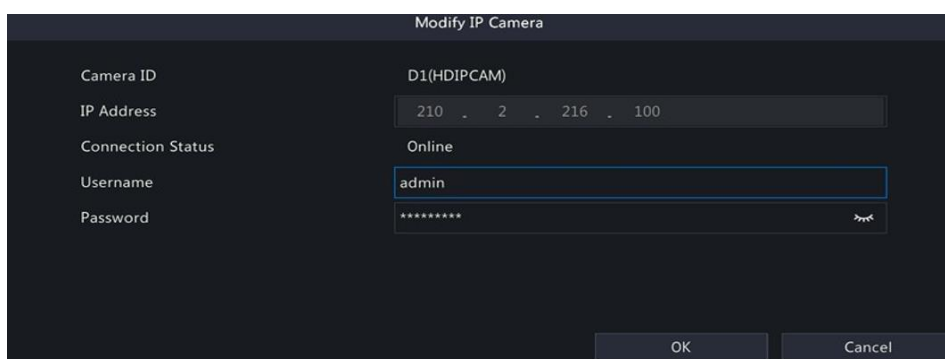
- Click **OK** to return to the Camera window. **Wait approximately 1 minute**, and the camera status will appear online, indicated with the icon .
- To add more IP cameras, follow the steps above.

Method 2:

- Connect an IP camera to a PoE port of the NVR with a network cable.
- Wait approximately 1 minute** for the live view window to display the following message.



- Click , and modify the camera's username and password. Click **OK**.



Camera ID: D1(HDIPCAM)
 IP Address: 210 . 2 . 216 . 100
 Connection Status: Online
 Username: admin
 Password: *****

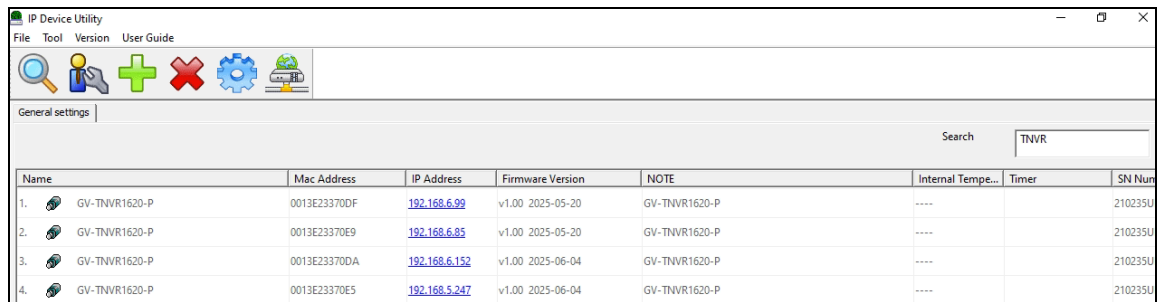
Buttons: OK, Cancel

4. Remote Access via Web Client

Use the Web Client to remotely access your NVR at any time via a PC.

By default, the NVR is assigned a fixed IP address: **192.168.0.100**. If DHCP is enabled, the NVR will obtain a dynamic IP address. You can find its IP and access the Web interface using the following method.

1. Make sure the PC used to configure the IP address is under the same LAN as the NVR. Download and install **GV-IP Device Utility** from our [website](#).
2. On the GV-IP Utility window, click the  button to search for IP devices connected in the same LAN. Click the **Name** or **Mac Address** column to sort.
3. Find the NVR with its Mac Address.



Name	Mac Address	IP Address	Firmware Version	NOTE	Internal Temperature	Timer	SN Number
1. GV-TNVR1620-P	0013E23370DF	192.168.6.99	v1.00 2025-05-20	GV-TNVR1620-P	----		210235U
2. GV-TNVR1620-P	0013E23370E9	192.168.6.85	v1.00 2025-05-20	GV-TNVR1620-P	----		210235U
3. GV-TNVR1620-P	0013E23370DA	192.168.6.152	v1.00 2025-06-04	GV-TNVR1620-P	----		210235U
4. GV-TNVR1620-P	0013E23370E5	192.168.5.247	v1.00 2025-06-04	GV-TNVR1620-P	----		210235U

4. Click on its IP address and select **Webpage** to open its Web interface.
5. Type the username and password on the login page, and click **Login**.

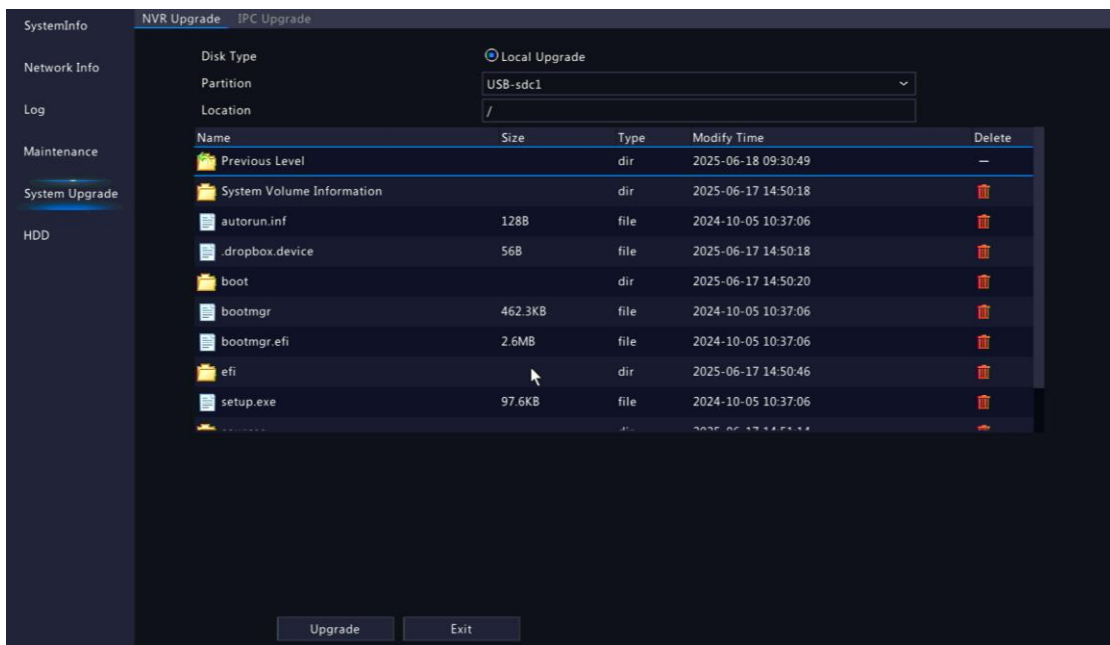
Note: When logging in for the first time, you will be prompted to install a plug-in required for processing media streams. Close all web browsers before starting the installation. Follow the on-screen instructions to complete the process, and then reopen your browser and log in again.

5. Firmware Upgrade

GeoVision periodically releases updated firmware on the company website. To load the new firmware into the NVR, follow the steps below.

5.1 Upgrading Firmware on the NVR

1. Copy the firmware file to your USB drive, and insert the USB drive to the NVR's USB port.
2. Select **Menu > Maintenance > System Upgrade > NVR Upgrade**.
3. Select the upgrade file in the USB storage device.



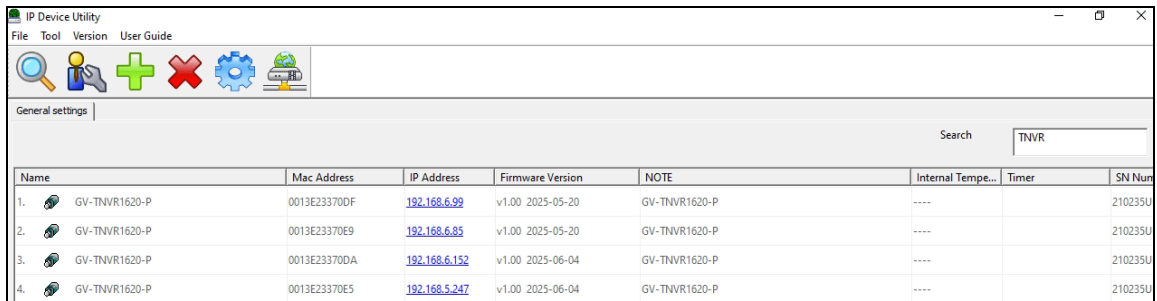
4. Click **Upgrade** to start.

Note: The system upgrade will last around 5-10 minutes. Do not power off the NVR or remove the USB drive from it during firmware upgrade.

5.2 Upgrading Firmware Using GV-IP Device Utility

Note: The compatible GV-IP Device Utility version is V9.0.5 or later.

1. Make sure the PC used to upgrade firmware is under the same LAN as the NVR.
Download and install **GV-IP Device Utility** from our [website](#).
2. On the GV-IP Utility window, click the  button to search for IP devices connected in the same LAN. Click the **Name** or **Mac Address** column to sort.
3. Find the NVR with its Mac Address, and click on its IP address.



Name	Mac Address	IP Address	Firmware Version	NOTE	Internal Temperature	Timer	SN Number
1. GV-TNVR1620-P	0013E23370DF	192.168.6.99	v1.00 2025-05-20	GV-TNVR1620-P	----		210235U
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4. GV-TNVR1620-P	0013E23370E5	192.168.5.247	v1.00 2025-06-04	GV-TNVR1620-P	----		210235U

4. Click **Configure** and select the **Firmware Upgrade** tab.
5. Click **Browse** to locate the firmware file saved at your local computer.
6. Enter the username and password of the NVR.
7. Click **Upgrade** to process the upgrade.