

# Quick Start Guide

## GV-R Series SNVR

*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-R Series SNVR User's Manual*.



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August 2024

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



[Warranty]



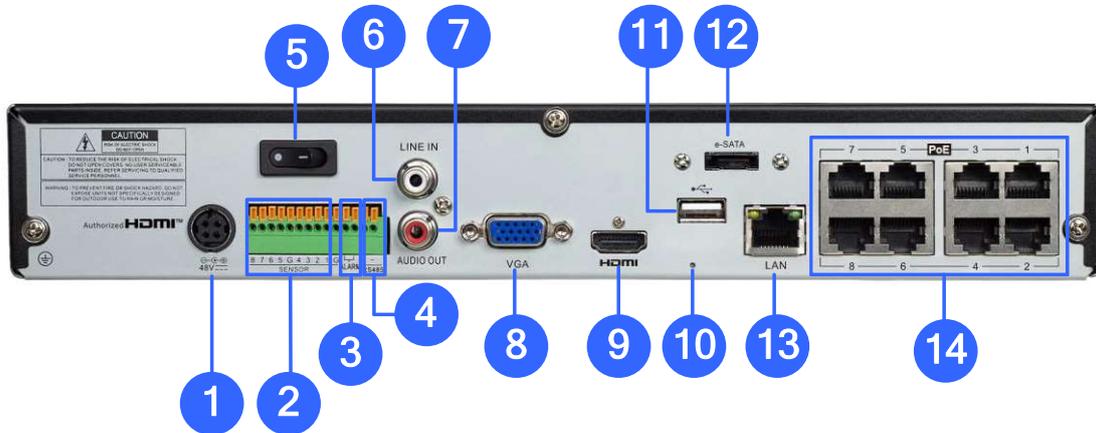
[Technical Support Policy]

## 1.5 GV-RNVRL810-P Front View



No.	Item	Status	Description
1.	Power LED	Solid on	The device is operating properly.
		Not lit	The device is shut down or not powered on.
2.	HDD LED	Lit red	The hard disk is operating properly and no data is read or written.
		Flash red	The hard disk is operating properly and there is data read or written.
		Not lit	The hard disk cannot be detected or the hard disk is faulty.
3.	USB Port		Connected to a mobile USB device or a mouse.

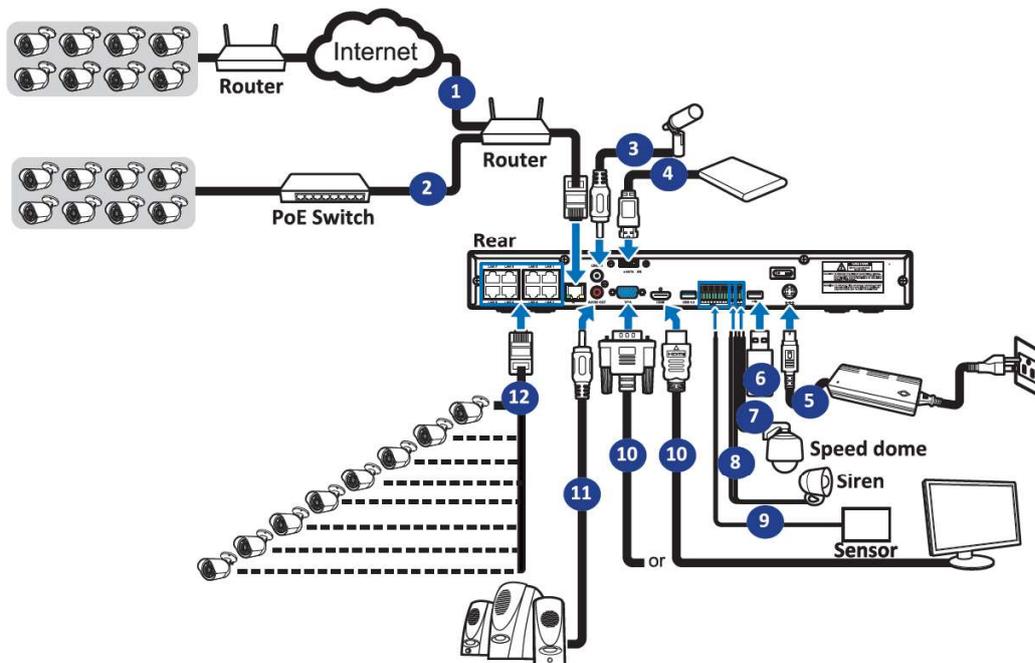
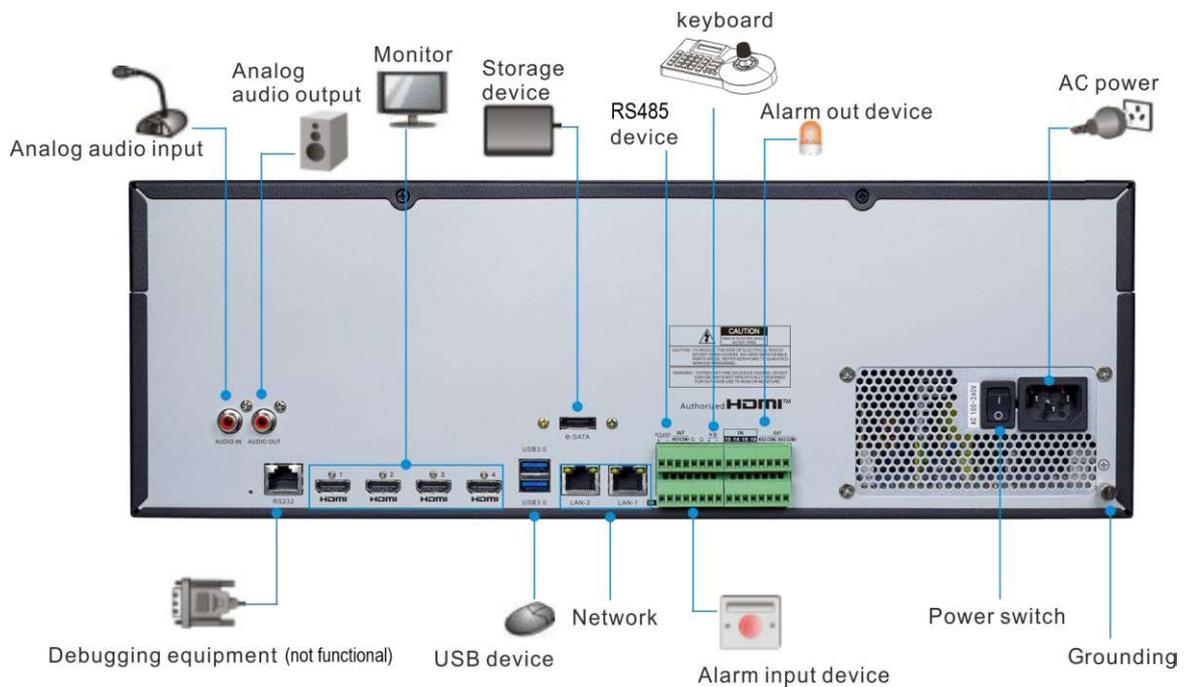
## 1.6 GV-RNVRL810-P Rear View



No.	Item	Description
1.	Power Port	Connect the attached power supply.
2.	Alarm input interface	Connected to alarm input devices.
3.	Alarm output interface	Connected to alarm output devices.
4.	RS-485 interface	Connected to a speed dome camera.
5.	Power switch	Used to power on/off the device.
6.	Audio input	Connected to an analog audio input device.
7.	Audio output	Connected to an analog audio output device.
8.	VGA	Connected to a VGA monitor.
9.	HDMI	Output interface of the device, supporting output with up to 4K resolution.
10.	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, and the buzzer rings four times at the same time.
11.	USB Port	Connect a USB device, such as USB mouse and USB flash disk.
12.	e-SATA	Connected to an external storage device. A maximum of one hard disk is supported.
13.	LAN	Gigabit network interface for connecting network cables.
14.	Megabit PoE ports	Connected to cameras, delivering power and network connection to the cameras.

## 2. Connection

### 2.1 Connection Diagram



**Note:** Above connection diagram is for illustration purpose only. The interfaces in your actual product may vary with models.

## 2.2 HDD Installation

The number of 3.5" 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.

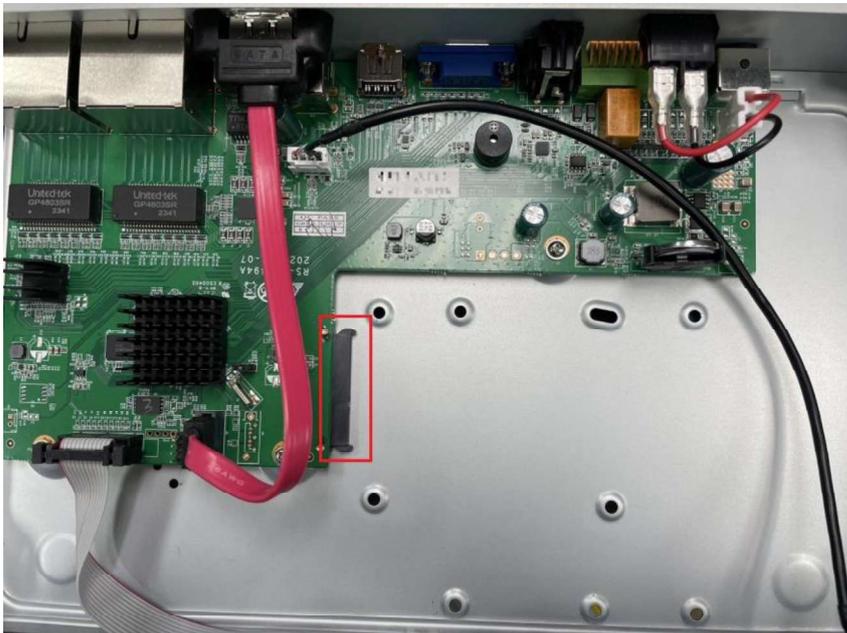
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**Caution:** Do not install or remove the hard disk drive while the power is turned on.

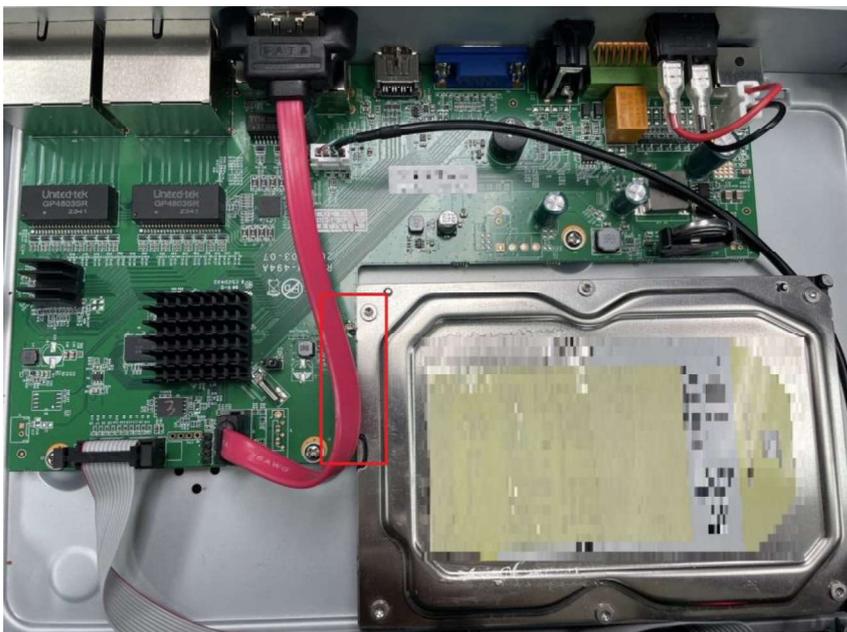
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### 2.2.3 GV-RNVRL810-P

3. Align the hard drive with the power and data connectors indicated below.



4. Mount the hard drive to finish the installation.



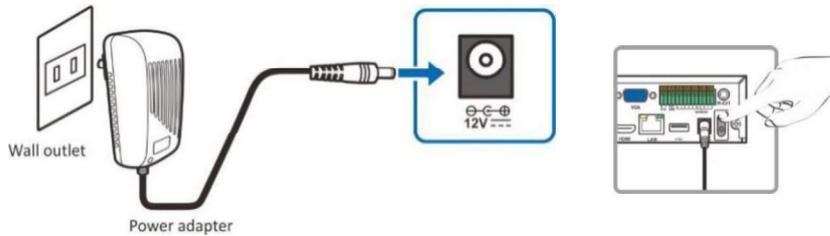
## 2.3 Power Supply Connection

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

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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.



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**Note:** Above connection diagram is for illustration purpose only. The interfaces in your actual product may vary with models.

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## 3. Getting Started

### 3.1 Start Wizard

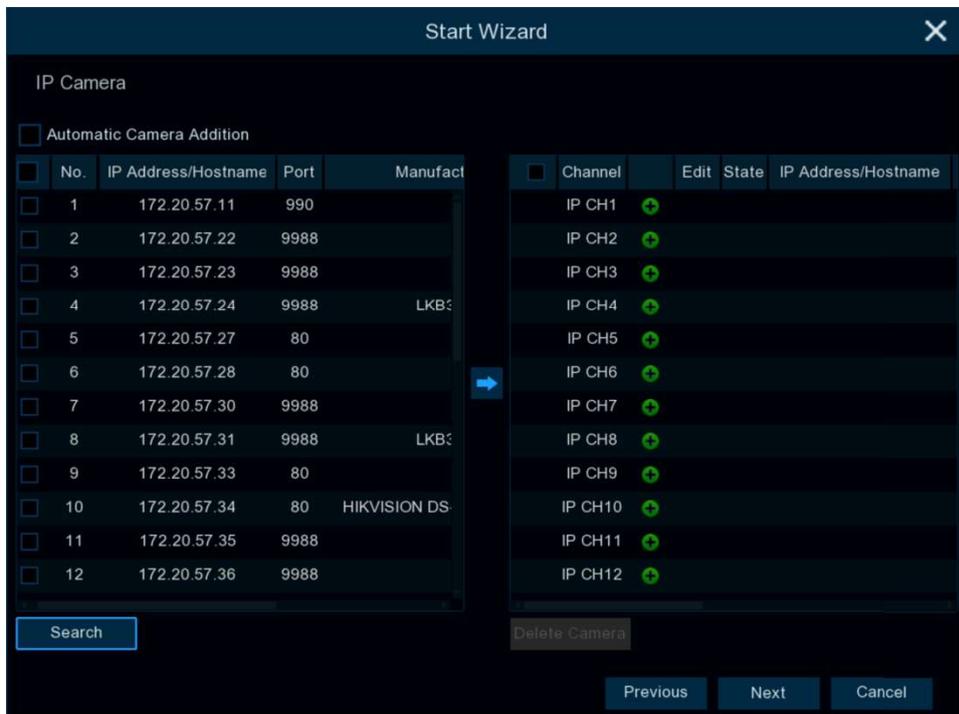
#### 3.1.1 Start Wizard

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.



The screenshot shows the "Start Wizard" window with the "IP Camera" section. It features a table of camera configurations and a list of channels.

No.	IP Address/Hostname	Port	Manufact
<input type="checkbox"/>	1	172.20.57.11	990
<input type="checkbox"/>	2	172.20.57.22	9988
<input type="checkbox"/>	3	172.20.57.23	9988
<input type="checkbox"/>	4	172.20.57.24	9988 LKB3
<input type="checkbox"/>	5	172.20.57.27	80
<input type="checkbox"/>	6	172.20.57.28	80
<input type="checkbox"/>	7	172.20.57.30	9988
<input type="checkbox"/>	8	172.20.57.31	9988 LKB3
<input type="checkbox"/>	9	172.20.57.33	80
<input type="checkbox"/>	10	172.20.57.34	80 HIKVISION DS
<input type="checkbox"/>	11	172.20.57.35	9988
<input type="checkbox"/>	12	172.20.57.36	9988

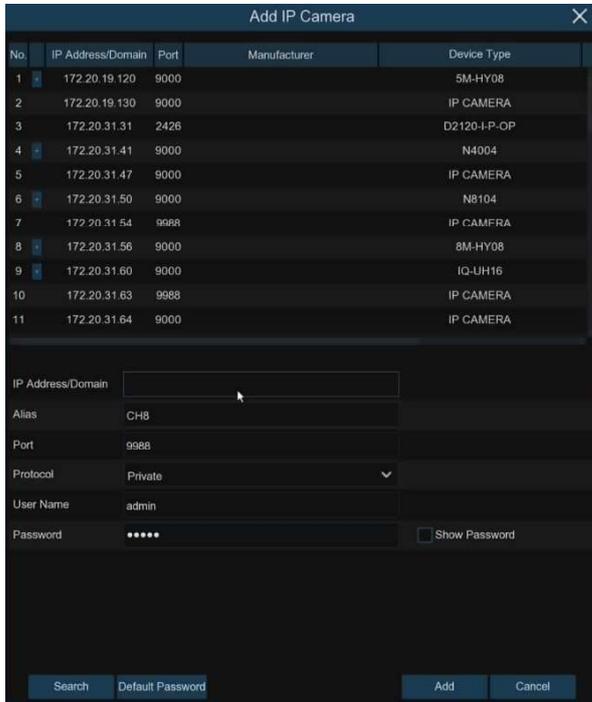
  

Channel	Edit	State	IP Address/Hostname
IP CH1	+		
IP CH2	+		
IP CH3	+		
IP CH4	+		
IP CH5	+		
IP CH6	+		
IP CH7	+		
IP CH8	+		
IP CH9	+		
IP CH10	+		
IP CH11	+		
IP CH12	+		

Buttons: Search, Delete Camera, Previous, Next, Cancel

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.



No.	IP Address/Domain	Port	Manufacturer	Device Type
1	172.20.19.120	9000		5M-HY08
2	172.20.19.130	9000		IP CAMERA
3	172.20.31.31	2426		D2120-I-P-OP
4	172.20.31.41	9000		N4004
5	172.20.31.47	9000		IP CAMERA
6	172.20.31.50	9000		N8104
7	172.20.31.54	9988		IP CAMERA
8	172.20.31.56	9000		8M-HY08
9	172.20.31.60	9000		IQ-UH16
10	172.20.31.63	9988		IP CAMERA
11	172.20.31.64	9000		IP CAMERA

IP Address/Domain:

Alias: CH8

Port: 9988

Protocol: Private

User Name: admin

Password:   Show Password

Buttons: Search, Default Password, Add, Cancel

- **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 GV-IP cameras
  - ⊙ Select **Private** for GV-RBL5800 / RBL5811 / REB5800 / RFER12700
  - ⊙ 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.
- **Automatic Camera Addition:** Enable this function for the device to automatically add cameras to the channels where cameras are not added.

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

## 3.2 Live View Overview

### 3.2.1 Main Window



Name	Description
Camera Title	Display channel number.
Status Icon	<ul style="list-style-type: none"> <li> This indicates that the NVR is currently recording.</li> <li> This icon appears when the camera has detected motion.</li> <li> The icon indicates that the external I/O alarm device is triggered.</li> <li> This icon indicates that the HDD is in error to work.</li> <li> This icon indicates the HDD is unformatted.</li> <li> This icon indicates the HDD is unformatted.</li> <li> This icon indicates the HDD is full.</li> <li> This icon indicates the HDD is read-only.</li> </ul>
Camera Quick Toolbar	Left-click on the screen to quickly access the camera's toolbar. Refer to 4.2.1 <i>Camera Quick Toolbar</i> in the manual for details.

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Task Menu Bar	Located at the bottom of the live view screen. Refer to <i>4.2.2 Taskbar</i> in the manual for details.
OSD	<p><b>No Camera:</b> No camera is assigned.</p> <p><b>Failed to connect to camera, please check the network connection!:</b> The added camera is off-lined or lost connection.</p> <p><b>User name or password error!:</b> Incorrect user name or password of the camera.</p> <p><b>Resource Not Enough:</b> No enough system resource to decode the camera images.</p> <p><b>No enough bandwidth for this camera!:</b> The camera cannot get online because the total bitrate of all connected cameras exceeds the NVR's bandwidth limitation.</p>

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

## 3.3 Recording Playback

### 3.3.1 Accessing the Playback Window on GV-RNVR Series

On the main window, click the **Playback** icon  on the toolbar at the bottom to play back the video. At the lower left corner of the main window, you can also click the **Start** icon  and **Search** to open the playback window to customize the playback channels and event types, and then play back the video.

For details, see *Chapter 7 Search, Playback & Backup* in the User's Manual.

### 3.3.2 Exporting and Playing Recordings

#### Saving Video Clips from Local GV-RNVR Series

1. At the lower left corner of the main window, click the **Start** icon  and **Search** to open the playback window.
2. Insert a USB flash drive, and click the **Save** icon  from the video playback controls to save the video clips.

#### Exporting Video Clips from the Web interface of GV-RNVR Series

1. On the main page, click the **Playback** tab to open the playback page.
2. After searching for the desired recordings, click the **Download** icon  from the video playback controls.
3. Select the desired files and click **Start Download** to download the video clips.

#### Playing Video Clips Exported Locally or from the Web Interface of GV-RNVR Series

1. Install one of the following players:
  - [GV-R Series Video Player](#)
  - [VLC Media Player](#)
  - [KM Player](#)
2. Launch the player and locate the recordings, and wait for 3 ~ 30 seconds before it starts to play.

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**Note:** Make sure to launch and player **first** and locate the recordings on the player to prevent latency.

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## 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	

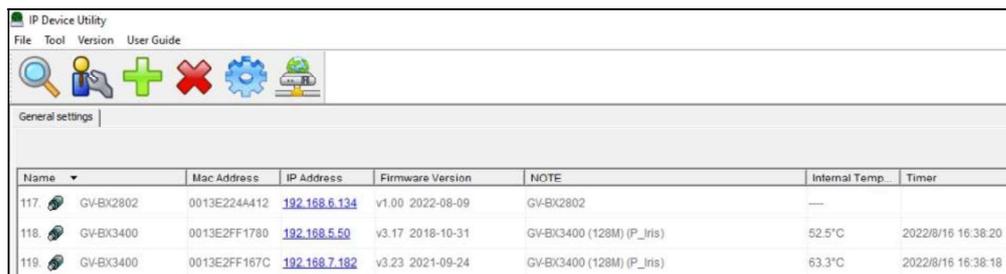
## 4.2 Looking Up the Dynamic IP Address

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.

### Note:

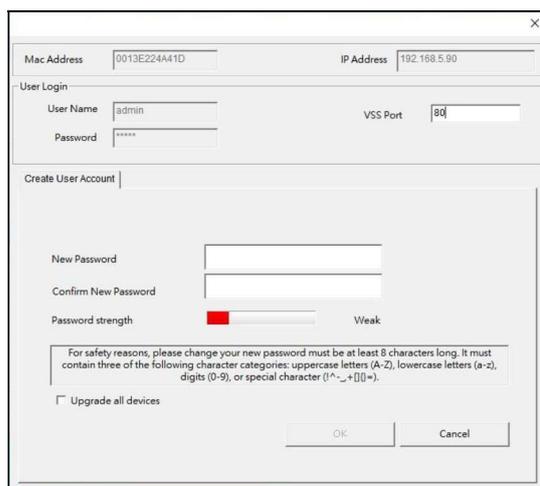
1. By default, the Administrator's username is **admin** and cannot be modified.
2. This function is only applicable on GV-IP Device Utility V8.9.8 or later for GV-RNVR256G0-N / GV-IP Device Utility V9.0.1 for GV-RNVRL810-P.

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 the 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 Temp.	Timer
117	GV-BX2802 0013E224A412	<a href="#">192.168.6.134</a>	v1.00 2022-08-09	GV-BX2802	—	
118	GV-BX3400 0013E2FF1780	<a href="#">192.168.5.50</a>	v3.17 2018-10-31	GV-BX3400 (128M) (P_Iris)	52.5°C	2022/8/16 16:38:20
119	GV-BX3400 0013E2FF167C	<a href="#">192.168.7.182</a>	v3.23 2021-09-24	GV-BX3400 (128M) (P_Iris)	63.3°C	2022/8/16 16:38:18

4. For first-time users, you are requested to create a password.



Mac Address: 0013E224A41D      IP Address: 192.168.5.90

User Login

User Name:       VSS Port:

Password:

Create User Account

New Password:

Confirm New Password:

Password strength:  Weak

For safety reasons, please change your new password must be at least 8 characters long. It must contain three of the following character categories: uppercase letters (A-Z), lowercase letters (a-z), digits (0-9), or special character (!^\_+[]=-).

Upgrade all devices

5. Type a new password and click **OK**.
6. Click on its IP address again and select **Webpage** to open its Web interface.
7. Type the set password on the login page and click **Login**.

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**IMPORTANT:**

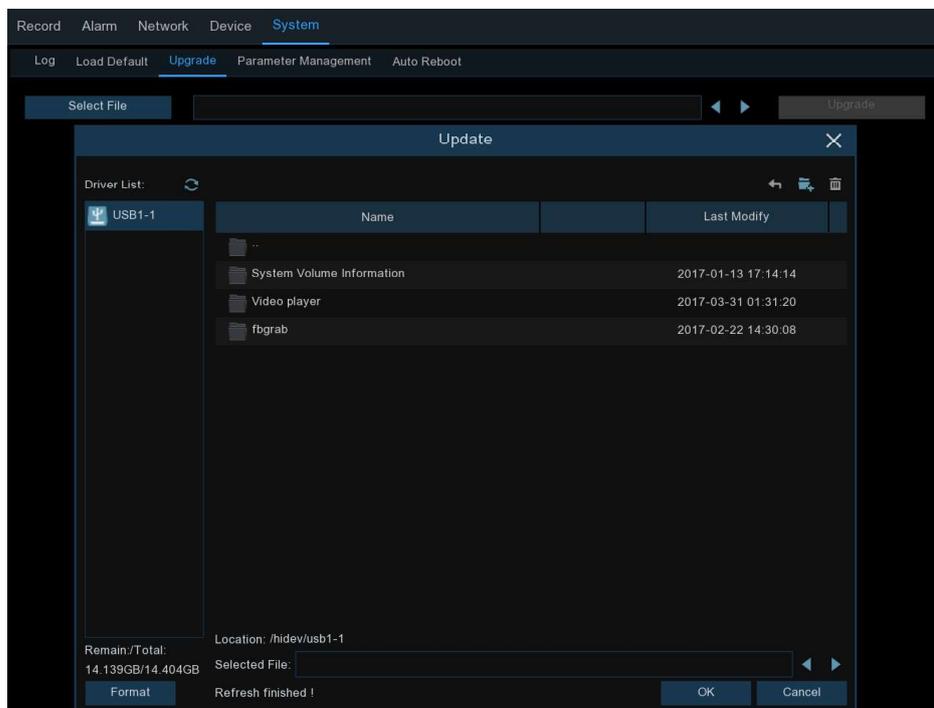
1. To change the password using GV-IP Device Utility, click on the NVR's IP address, and select Configure > Change Password. Or you can optionally change the password on the camera's Web interface by clicking Config → Security → User ; see "Modify User" in *4.8.1 User Configuration* in the user's manual.
  2. The security questions should be set after you log in. It is very important for you to reset your password when you forget your password. If you forget the admin password, you can reset the password by clicking Forget Password on the login page. For more details, see *4.8.1 User Configuration* in the user's manual.
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## 5. Upgrading Firmware

You can upgrade the firmware on GV-RNVR256G0-N / GV-RNVRL810-P or remotely using **GV-IP Device Utility**. Follow the instructions below.

### 5.1 Upgrading Firmware on GV-RNVR Series

1. Copy the firmware file to your USB drive, and insert the USB drive to the NVR's USB port.
2. Select **System > Maintenance** and open the **Upgrade** tab.
3. Click **Select File** to choose the firmware file in your USB drive and click **OK**.



4. Click **Upgrade**.

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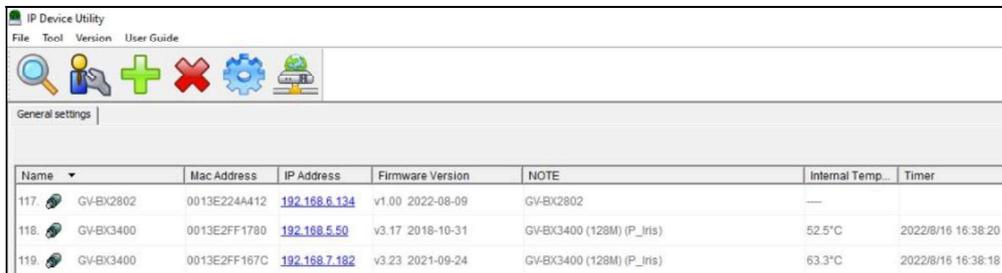
**Note:** The system upgrade will last around 5-10 minutes. **DO NOT** power off the NVR or remove the USB drive from it during firmware upgrade.

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## 5.2 Upgrading Firmware Using GV-IP Device Utility

**Note:** This is only applicable to GV-IP Device Utility V9.0.1 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 the 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 Temp..	Timer
117	GV-BX2802	0013E224A412	<a href="#">192.168.6.134</a>	v1.00 2022-08-09	GV-BX2802	---
118	GV-BX3400	0013E2FF178D	<a href="#">192.168.5.50</a>	v3.17 2018-10-31	GV-BX3400 (128M) (P_Iris)	52.5°C 2022/8/16 16:38:20
119	GV-BX3400	0013E2FF167C	<a href="#">192.168.7.182</a>	v3.23 2021-09-24	GV-BX3400 (128M) (P_Iris)	63.3°C 2022/8/16 16:38:18

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 device.
7. Click **Upgrade** to process the upgrade.