

GeoVision GV-RNVR256G0-N Standalone Network Video **Recorder User Guide**

Home » GeoVision » GeoVision GV-RNVR256G0-N Standalone Network Video Recorder User Guide



Contents

- 1 GeoVision GV-RNVR256G0-N Standalone Network Video Recorder
- 2 Specifications
- **3 Product Usage Instructions**
- 4 FAQ
- **5 Introduction**
- **6 Connection**
- 7 Getting Started
- **8 Live View Overview**
- 9 Remote Access via Web Client
- 10 Upgrading Firmware
- 11 CONTACT
- 12 Documents / Resources
 - 12.1 References



GeoVision GV-RNVR256G0-N Standalone Network Video Recorder



Specifications

Model: GV-RNVR256G0-N
Manufacturer: GeoVision, Inc.
Storage Capacity: 256GB

• Location: 9F, No. 246, Sec. 1, Neihu Rd., Neihu District, Taipei, Taiwan

• Contact: Tel: +886-2-8797-8377, Fax: +886-2-8797-8335

Product Usage Instructions

- Refer to the Front View and Rear View sections in the user manual for a detailed understanding of the physical layout of the GV-RNVR256G0-N.
- Follow the Connection Diagram in the manual for proper setup. Install the HDD as per the instructions provided. Connect the power supply securely.
- Initiate the Start Wizard as described in the manual to begin setting up the GV-RNVR256G0-N. This will guide you through the initial configuration process.
- Explore the Main Window interface for real-time monitoring of connected cameras.
- Access the Playback Window to review recorded footage. Learn how to export and play recordings for further analysis.
- Ensure your system meets the Basic System Requirements outlined in the manual. Follow the instructions to look up and configure the Dynamic IP Address for remote access.

FAQ

- Q: How can I troubleshoot connection issues with IP cameras?
- A: Check the network settings on both the GV-RNVR256G0-N and the IP cameras. Ensure they are on the same network and configured correctly. Restart both devices if needed.
- Q: Can I expand the storage capacity of GV-RNVR256G0-N?
- **A:** Yes, you can expand the storage capacity by installing additional compatible HDDs following the provided guidelines in the user manual.

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 the GV-SNVR User's Manual.

© 2024 GeoVision, Inc. All rights reserved

Under the copyright laws, this manual may not be copied, in whole or in part, without the written consent of GeoVision.

Every effort has been made to ensure that the information in this manual is accurate. GeoVision, Inc. makes no expressed or implied warranty of any kind and assumes no responsibility for errors or omissions. No liability is assumed for incidental or consequential damages arising from the use of the information or products contained herein. Features and specifications are subject to change without notice.

Trademarks used in this manual: GeoVision, the GeoVision logo and GV series products are trademarks of GeoVision, Inc. Windows is the registered trademark of Microsoft Corporation.

Introduction

Welcome to the GV-RNVR256G0-N Quick Start Guide. In the following sections, you will learn about the basic installations and configurations. For more details, see GV-RNVR256G0-N User's Manual.

Note: The first time you run the NVR, you will be required to set your password immediately to protect your privacy. Please be sure to record your username and password and save them in a secure place. For password recovery methods, see 3.3.1 Password Generation, GV-RNVR256G0-N User's Manual.

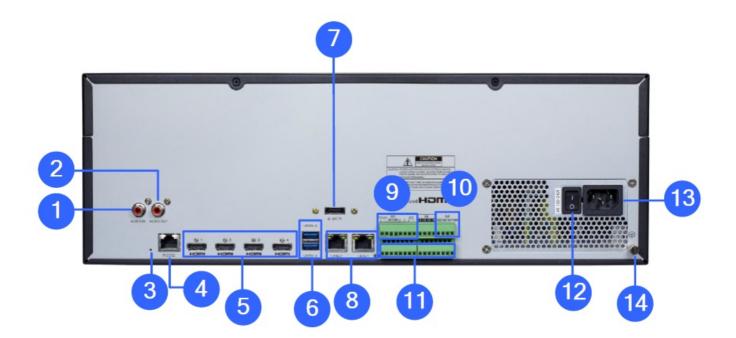
Front View



No.	Item	Status	Description
1.	Standby button		It is used to power on/off the system when the device has a constant power supply. You can press and hold the button f or three seconds to shut down the device, and you can pre ss and hold the key for 10 seconds to forcedly restart the d evice.

2.	Power LED	Solid on	The device is operating properly.
		Not lit	The device is shut down or not powered on.
3.	HDD LED	Lit green	The hard disk is operating properly and no data is read or written.
		Flash green	The hard disk is operating properly and there is data read o r written.
		Not lit	The hard disk cannot be detected or the hard disk is faulty.
4.	LAN1 /2 LED	Solid on	The hard disk is operating properly and no data is read or written.
		Not lit	The hard disk is operating properly and there is data read o r written.
5.	USB Port		Connected to a mobile USB device or a mouse.

Rear View



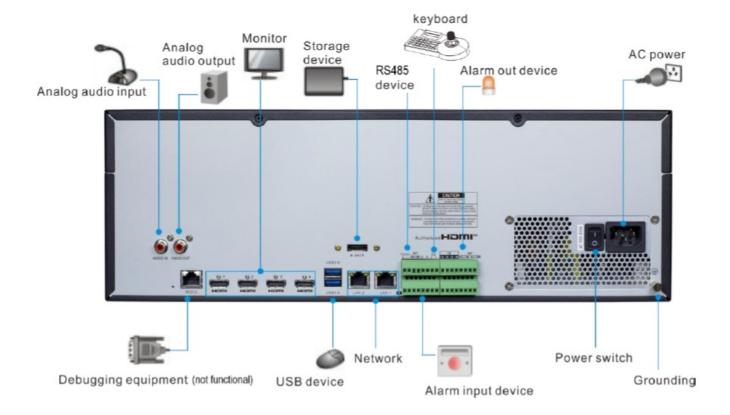
No.	Item	Description
1.	Audio input	Connected to an analog audio input device.
2.	Audio output	Connected to an analog audio output device.
3.	Reset button	Used to restore the factory settings. You can press and hold the button for 10 seconds to make the system automatically restore the factory settings, and the buzzer rings four times at the same time.
4.	RS232 interface	It is currently not functional.
5.	HDMI 1/2/3/4	Output interface of the device, supporting output with 8K/4K/1080p resoluti on.
6.	USB Port	Connect a USB device, such as a USB mouse and USB flash disk.
7.	e-SATA	Connected to an external storage device. A maximum of one hard disk is s upported.
8.	LAN1/2	Gigabit network interface for connecting network cables.
9.	RS485 interface	Connected to an RS485 standard device, such as a keyboard.
10.	Alarm input interface	Connected to alarm input devices.
11.	Alarm output interface	Connected to alarm output devices.
12.	Power switch	Used to power on/off the device.
13.	Power Port	Connect the attached power supply.

14.	Grounding Terminal	Connect to the grounding cable.
-----	--------------------	---------------------------------

Note: The device only supports HDMI 1 output 8K. If the output resolution of HDMI 1 is set to 8K, the maximum output resolution of HDMI 3 and 4 will be limited to 1080P, and HDMI 2 will be disabled.

Connection

Connection Diagram



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

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 under 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.



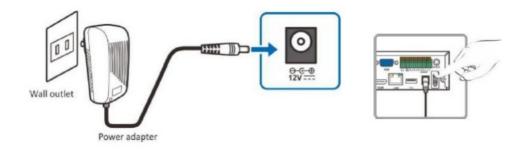
5. Buckle up the hard drive and close the front panel

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

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. Press the Power Switch to turn on the power.



Getting Started

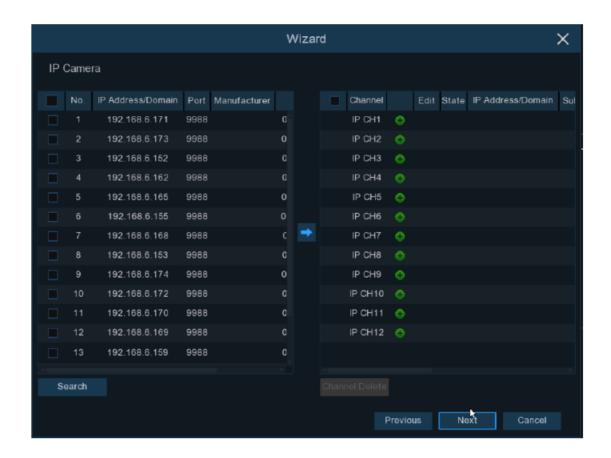
Start Wizard

· Click Start Wizard to proceed to the next step.

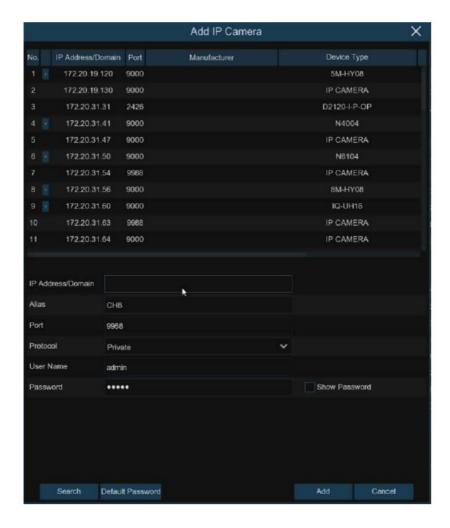


Connecting IP Cameras

• 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 the icon to add to the NVR.
- Or, click the 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 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.

Click Add to add the IP camera to the NVR.

Live View Overview

Main Window



Name	Description	
Camera Title	Display channel number.	
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 unformatted.	
	This icon indicates the HDD is full.	
	This icon indicates the HDD is read-only.	
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.	

Task Menu Bar	Located at the bottom of the live view screen. Refer to 4.2.2 Taskbar		
	in the manual for details.		
OSD	No Camera: No camera is assigned.		
	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.		

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

Recording Playback

Accessing the Playback Window on GV-RNVR256G0-N

- 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.

Exporting and Playing Recordings

Saving Video Clips from Local GV-RNVR256G0-N

- 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-RNVR256G0-N

- 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-RNVR256G0-N

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

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

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.

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	net 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		

Looking Up the Dynamic IP Address

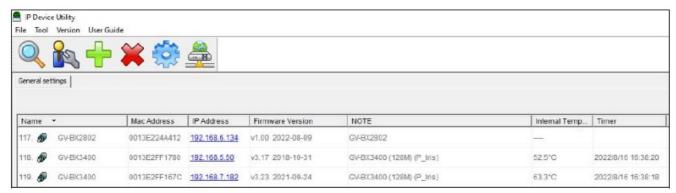
By default, when the NVR is connected LAN with the DHCP server, it is automatically assigned a dynamic IP address. Follow the steps below to look up its IP address.

Note

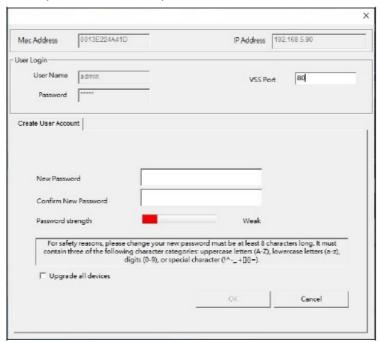
By default, the Administrator's username is admin and cannot be modified.

This function is only applicable on GV-IP Device Utility V8.9.8 or later.

- 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 to 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.



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



- 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.

IMPORTANT

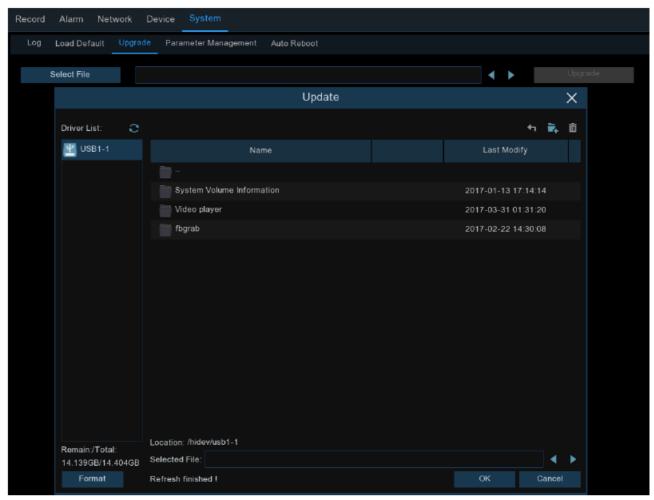
- To change the password using GV-IP Device Utility, click on the NVR's IP address, and select Configure >
 Change Password. Or you can optionally change the password on the camera's Web interface by clicking
 Config → Security → User; see "Modify User" in 4.8.1 User Configuration in the user's manual.
- 2. The security questions should be set after you log in. You need 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.

Upgrading Firmware

You can upgrade the firmware either on GV-RNVR256G0-N or on the device remotely through GV-IP Device
Utility. Follow the instructions below.

Upgrading Firmware on GV-RNVR256G0-N

- 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.



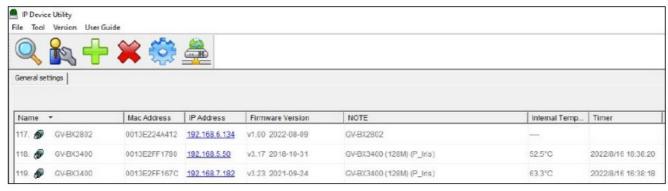
4. Click Upgrade.

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

Upgrading Firmware Using GV-IP Device Utility

Note: This is only applicable to GV-IP Device Utility V9.0.1 or later.

- 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 <u>website</u>.
- 2. On the GV-IP Utility window, click the button to search for the IP devices connected to 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.



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

CONTACT

· 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

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





[Technical Support Policy]

Documents / Resources



GeoVision GV-RNVR256G0-N Standalone Network Video Recorder [pdf] User Guide 801-RNRP6G-000U, GV-RNVR256G0-N Standalone Network Video Recorder, GV-RNVR256G0-N, Standalone Network Video Recorder, Network Video Recorder, Video Recorde r, Recorder

References

- ► KMPlayer Official Site | Best Video Player We Play All
- <u>A Official download of VLC media player, the best Open Source player VideoLAN</u>
- User Manual

Manuals+, Privacy Policy

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.