XENOCAM N6716R-GL

XENOCAM H.265 16-Channel Network Video Recorder (NVR)

User Manual

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your XENOCAM H.265 16-Channel Network Video Recorder (NVR). This NVR is designed for use with 5MP/4MP/3MP/2MP IP cameras, offering advanced H.265+ video compression for efficient storage and transmission. Please read this manual thoroughly before using the product to ensure proper setup and functionality.

2. Safety Information

- Ensure the NVR is powered by the provided DC12V/2A power supply. Using an incorrect power supply may damage the device.
- Do not expose the NVR to water or moisture.
- Avoid placing the NVR in direct sunlight or near heat sources.
- For first-time login, set a strong password (numbers + letters format) for security.
- Hard disk is not included. If you intend to record video, a compatible hard disk must be installed.
- Handle the device with care to prevent physical damage.

3. Package Contents

Verify that all items listed below are included in your package:

- 1x 16-Channel CCTV NVR (Hard Disk Not Included)
- 1x DC 12V/2A Power Supply
- 1x USB Mouse
- 1x User Manual
- Mounting Screws (for HDD installation)



Figure 3.1: Contents included in the NVR package, showing the user manual, power supply, USB mouse, and a bag of screws.

4. Product Overview

The XENOCAM 16-Channel NVR features a compact design with essential ports for connectivity and operation.



Figure 4.1: Front and rear panel layout of the XENOCAM 16-Channel NVR.

Front Panel Indicators and Controls:

- **IR Receiver:** For remote control (if applicable).
- **Power Indicator:** Lights up when the NVR is powered on.
- **HDD Indicator:** Flashes when the hard disk is active.
- **Alarm Indicator:** Lights up when an alarm event is triggered.
- **Navigation Buttons:** For menu navigation and selection.

Rear Panel Ports:

- **VGA Output:** Connects to a VGA monitor (Max 1080P).
- **HDMI Output:** Connects to an HDMI monitor or TV (Max 4K).
- **LAN Port (RJ45):** 10M/100M/1000M adaptive Ethernet interface for network connection.
- **USB 2.0 Ports (x2):** For connecting the USB mouse, USB portable HDD, or USB DVD-RW for backup.
- **DC 12V Power Input:** Connects to the provided power adapter.

5. Setup

5.1 Hardware Connection

Follow these steps to connect your NVR system:

1. Connect your IP cameras to your network router using Ethernet cables. Ensure cameras are powered on.
2. Connect the NVR's LAN port to your network router using an Ethernet cable.
3. Connect a monitor to the NVR using either the HDMI or VGA port.
4. Connect the USB mouse to one of the NVR's USB ports.
5. Connect the DC 12V power adapter to the NVR's power input and then plug it into a power outlet. The NVR will power on automatically.

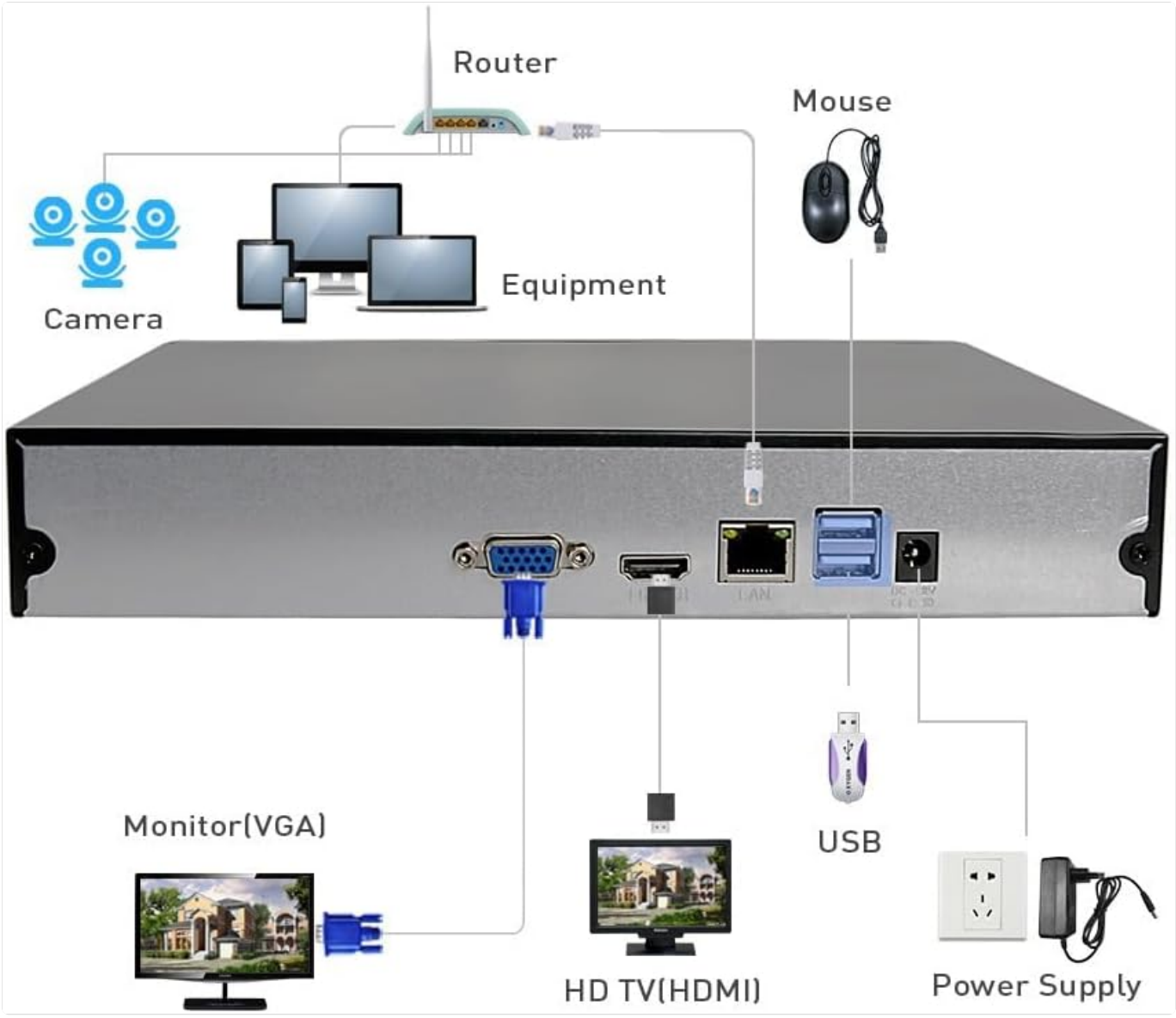


Figure 5.1: NVR System Connection Diagram.

5.2 Hard Disk Installation (Optional)

The NVR does not include a hard disk. To enable video recording, you must install a compatible 3.5-inch SATA hard disk (up to 6TB). Refer to the NVR's internal layout for SATA power and data connections. Secure the HDD using the provided screws.

5.3 Initial Login and Password Setup

Upon first boot, the system will prompt you to set a password. For security purposes, create a strong password containing both numbers and letters. Remember this password as it will be required for future logins and remote access.

6. Operating Instructions

6.1 Adding IP Cameras

The NVR supports Onvif IP cameras. XENOCAM/XM (Netip protocol) IP cameras are fully compatible. For other third-party Onvif IP cameras, limited support for live view is provided.

Automatic Camera Detection (Quick Set):

After connecting cameras to the network and ensuring they are powered, the NVR will normally configure them automatically. You can access the IP channel settings from the main menu.

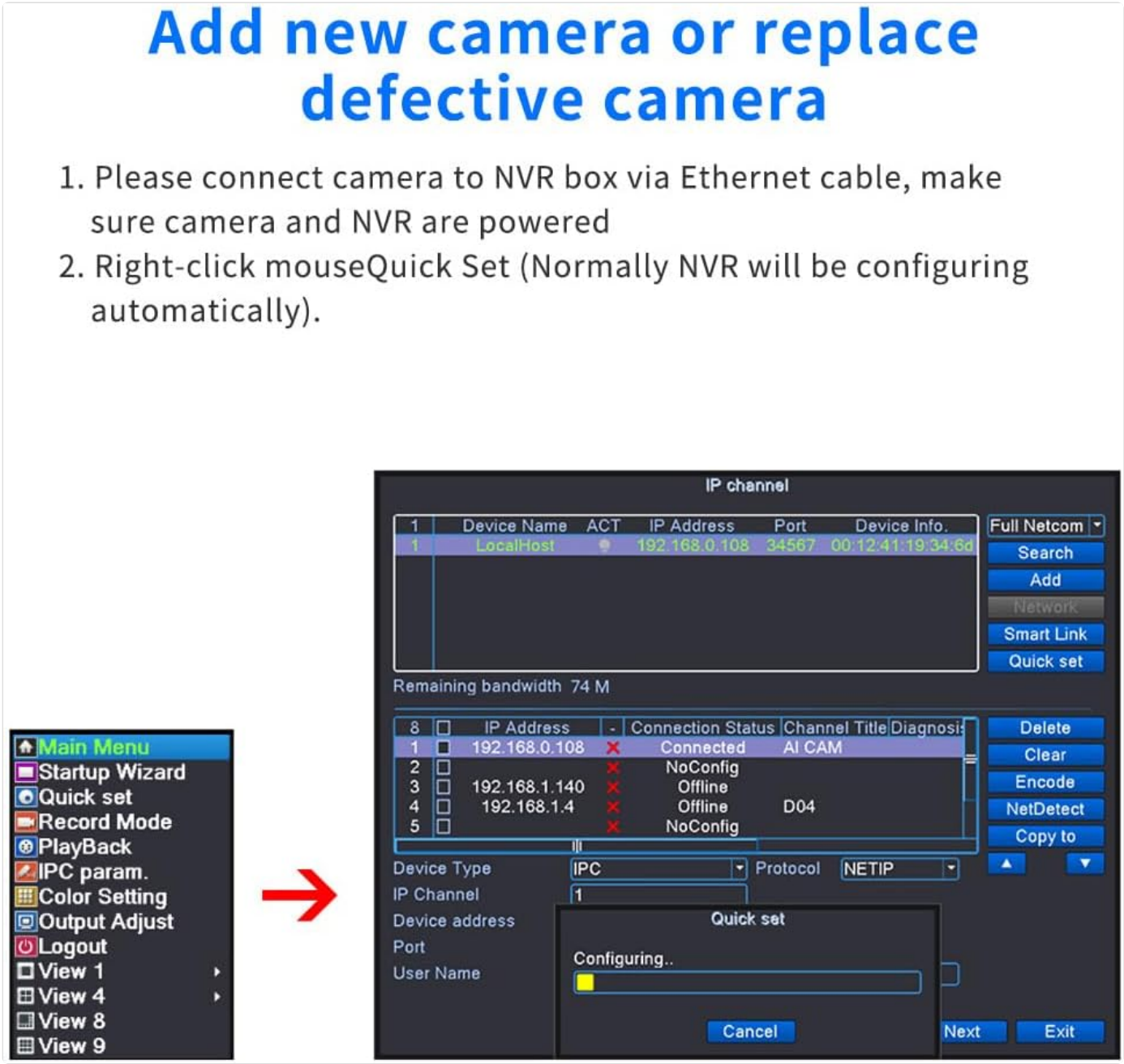


Figure 6.1: IP Channel Configuration Interface.

Manual Camera Addition:

If your camera is not automatically detected or connected, you can add it manually:

1. From the IP Channel menu, click the **"Search"** button. The NVR will scan for IP cameras within the same IP segment.
2. Select the new camera's IP address from the search results.
3. Select an empty channel for the new camera (e.g., Channel #5), then click **"Add"**.
4. After successful configuration, click **"Apply"** to save settings, then click **"Exit"**.

3.If your camera still not connected, please manual add as below.

a) Click “Search”, NVR will search camera with same IP segment, then select the new camera’s IP address

b) Select an empty Channel for the new camera (for example #5), then click “Add”

c) After configuration successful, click “Apply” to save settings then click “Exit”.

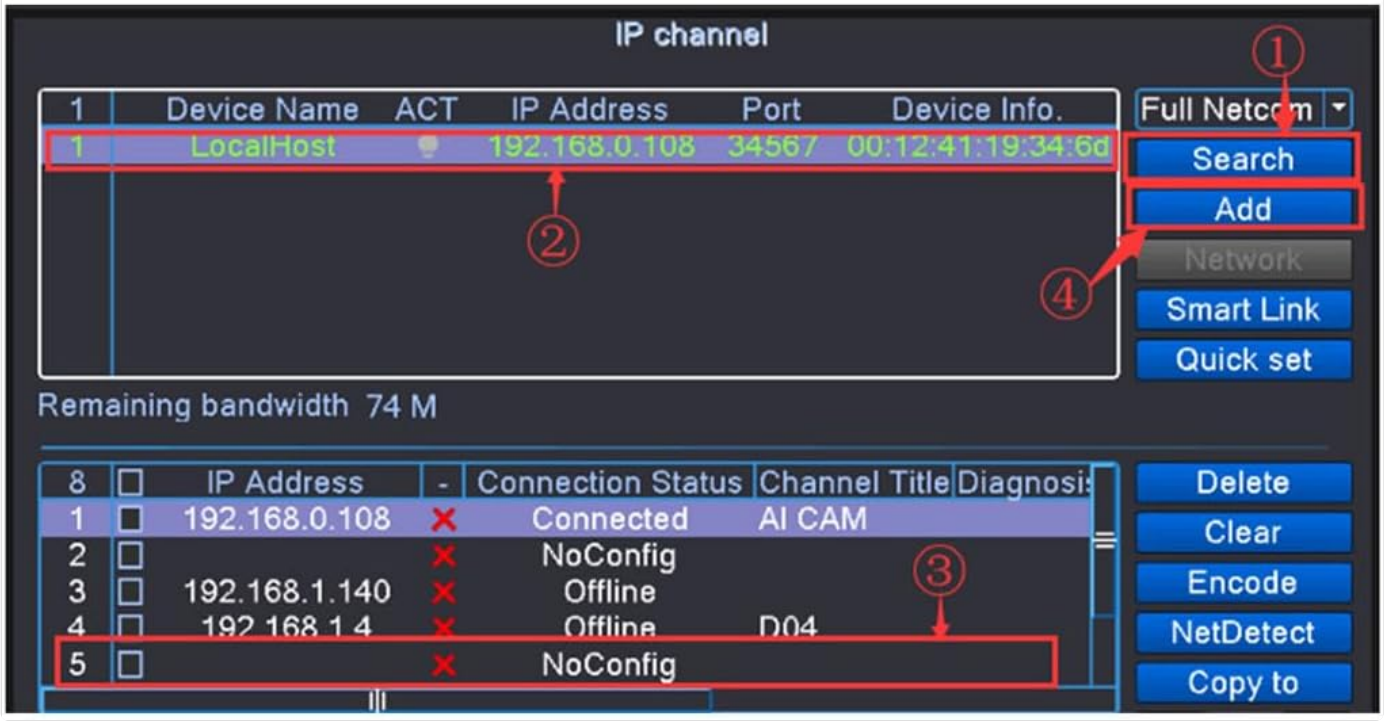


Figure 6.2: Manual Camera Addition Process.

6.2 Video Compression

The NVR utilizes advanced H.265+ high-efficiency video coding. This technology significantly improves compression efficiency, saving up to 70% bandwidth compared to H.264, maximizing storage space, and enabling smoother remote viewing without sacrificing HD video quality.

6.3 Playback and Recording

- **Local Playback:** Supports 1-channel 5MP or 2-channel 1080P playback simultaneously.
- **Record Modes:** Configure recording based on Manual, Alarm, Motion Detection, or Timing schedules.
- **Smart Search Playback:** Use the smart search function to easily locate incident videos.
- **Backup Mode:** Back up recorded footage via Network, USB portable HDD, or USB DVD-RW.

6.4 Remote Viewing (Xmeye App)

Access live viewing and playback remotely on your iPhone, iPad, or Android device using the "Xmeye" app. Simply scan the QR Code displayed on the NVR's interface within the app to instantly connect.

7. Maintenance

- Regularly check for firmware updates on the manufacturer's website to ensure optimal performance and security.
- Keep the NVR clean and free from dust. Use a soft, dry cloth for cleaning.
- Ensure adequate ventilation around the NVR to prevent overheating.
- Periodically back up important footage to external storage.
- Verify hard disk health and free space regularly.

8. Troubleshooting

Problem	Possible Cause	Solution
NVR does not power on.	Power adapter not connected or faulty; power outlet issue.	Ensure power adapter is securely connected and plugged into a working outlet. Test with another outlet if possible.
Cameras not displaying on NVR.	Camera not powered; network connection issue; incorrect IP settings; camera not Onvif compatible.	Verify cameras are powered and connected to the same network as the NVR. Check network cables. Try automatic or manual camera addition (Section 6.1). Ensure cameras are Onvif compliant.
Cannot log in to NVR.	Incorrect password.	Ensure you are entering the correct password (case-sensitive). If forgotten, refer to the manufacturer's support for password reset procedures.
No recording occurring.	No hard disk installed; hard disk full or faulty; recording schedule not set.	Install a compatible hard disk (Section 5.2). Check hard disk status and format if necessary. Configure recording schedules in the NVR settings.
Remote viewing not working.	Network connectivity issues; incorrect app settings; NVR not connected to internet.	Ensure NVR has internet access. Verify QR code scan and app settings. Check router firewall settings.

9. Specifications

Feature	Specification
IP Video Input	Max 16 channels 5MP
HDMI/VGA Output	HDMI 4K / VGA 1080P
Audio Input/Output	No
Video Compression Standard	H.265/H.264
Local Playback	1 channel 5MP / 2 channels 1080P
Preview Capability	16ch* 5MP@15fps, 8ch* 5MP@30fps, 16ch* 1080P@30fps

Feature	Specification
Record Mode	Manual, Alarm, Motion detection, Timing
Backup Mode	Network, USB portable HDD, USB DVD-RW
Video Standard	PAL/NTSC
SATA Interface	1 SATA Interface (Max support 1x 6TB HDD)
Network Interface	1 RJ45 10M/100M/1000M adaptive Ethernet Interface
USB Port	2x USB 2.0 interface
Power Supply	DC12V/2A
Product Dimensions	10.08 x 9.45 x 1.73 inches (25.6 cm x 24 cm x 4.4 cm)
Item Weight	2.44 pounds
Model Number	N6716R-GL



Figure 9.1: NVR Dimensions.

10. Warranty and Support

For warranty information, technical support, or service inquiries, please refer to the contact information provided with your purchase or visit the official XENOCAM website. Keep your purchase receipt as proof of purchase for warranty claims.

© 2024 XENOCAM. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question

and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question