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PNI PNI-IP816

PNI House IP816 NVR

User Manual

1. Introduction

This user manual provides detailed instructions for the installation, operation, and maintenance of your PNI House IP816 Network Video Recorder (NVR). Please read this manual thoroughly before using the device to ensure proper functionality and safety. The PNI House IP816 is designed for comprehensive surveillance, supporting up to 16 IP channels at 5MP resolution or 10 channels at 8MP 4K resolution.

2. Package Contents

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact your retailer.

- NVR Unit (PNI House IP816)
- Power Supply
- USB Mouse
- User Manual



Figure 2.1: Included components - NVR, power supply, and mouse.

3. Product Overview

Familiarize yourself with the physical components and ports of the PNI House IP816 NVR.

3.1 Front Panel



Figure 3.1: Front view of the NVR.

The front panel features indicator lights for Power (PWR), Record (REC), and Network (NET), providing quick status updates on the device's operation.

3.2 Rear Panel (Ports)



Figure 3.2: Rear view of the NVR with port labels.

- **A-OUT:** Audio output port (3.5mm jack).
- **VGA:** Video Graphics Array output for connecting to a monitor.
- **HD-OUT (HDMI):** High-Definition Multimedia Interface output for connecting to a monitor or TV.
- **Ethernet (RJ45):** Network interface for connecting to your local area network (LAN).
- **USB:** Two USB 2.0 ports for connecting the mouse, USB flash drives, or external storage.
- **DC12V:** Power input port for the 12V/2A power adapter.

4. Setup

Follow these steps to set up your PNI House IP816 NVR for the first time.

1. **Hard Drive Installation (Optional):** The NVR supports one 8TB hard drive (not included). Refer to the internal diagram for proper installation if you wish to install a hard drive for local recording. Ensure the NVR is powered off before installation.
2. **Connect Display:** Connect a monitor to the NVR using either the VGA or HDMI (HD-OUT) port.
3. **Connect Mouse:** Plug the included USB mouse into one of the USB ports on the rear panel.
4. **Connect Network:** Connect an Ethernet cable from the NVR's RJ45 port to your router or network switch.
5. **Connect Power:** Connect the 12V/2A power adapter to the DC12V port on the NVR, then plug the adapter into a power outlet. The NVR will power on automatically.
6. **Initial Configuration:** Upon first boot, the NVR will guide you through an initial setup wizard, including setting up network parameters, date/time, and user accounts.

7. **Add IP Cameras:** Refer to the NVR's on-screen interface for instructions on adding and configuring your IP cameras. The NVR supports 16 channels at 5MP or 10 channels at 8MP 4K.

5. Operating the NVR

This section covers basic operation of your PNI House IP816 NVR.

5.1 Live View

After setup, the NVR will display the live feed from connected cameras. Use the mouse to navigate the interface, switch camera views, and access menus.

5.2 Recording

Recording settings can be configured via the NVR's menu. Options typically include continuous recording, motion-detection recording, and scheduled recording. Ensure a hard drive is installed for local storage.

5.3 Playback

Access the playback menu to review recorded footage. You can search by date, time, and event type. The NVR supports max. 4K playback resolution.

5.4 Remote Access (Mobile & PC)

The PNI House IP816 NVR supports remote viewing on mobile devices (Android, iOS) and PCs (Windows). Download the dedicated applications:

- **Android/iOS:** P6Slite
- **Windows:** EasyVMS

Follow the in-app instructions to add your NVR using its network ID or IP address for remote monitoring.

6. Maintenance

Regular maintenance ensures optimal performance and longevity of your NVR system.

- **Cleaning:** Gently wipe the NVR's exterior with a soft, dry cloth. Do not use liquid cleaners or aerosols. Ensure ventilation openings are clear of dust.
- **Firmware Updates:** Periodically check the manufacturer's website for firmware updates. Keeping the firmware updated can improve performance, add features, and enhance security.
- **Hard Drive Health:** If a hard drive is installed, monitor its health through the NVR's system settings. Back up important footage regularly.
- **Password Security:** Regularly change your NVR and application passwords to strong, unique combinations.

7. Troubleshooting

This section addresses common issues you might encounter with your PNI House IP816 NVR.

No Power / NVR Not Turning On:
Ensure the power adapter is securely connected to both the NVR and a working power outlet. Verify the power outlet is active.

No Video Output on Monitor:
Check the VGA or HDMI cable connection between the NVR and the monitor. Ensure the monitor is powered on and set to the correct input source. Try a different cable or monitor if possible.

"Camera Offline" Message:
Verify that the IP camera is powered on and properly connected to the network. Check network cables and ensure the camera's IP address and network settings are correctly configured in the NVR. Ensure the camera is compatible with the NVR's protocols (e.g., ONVIF).

Cannot Access NVR Remotely:
Ensure the NVR is connected to the internet. Check network settings (IP address, gateway, DNS) on the NVR. Verify port forwarding rules on your router if required. Ensure the correct application (P6Slite/EasyVMS) is being used and the NVR's ID/IP is correctly entered.

Recording Not Working:
Confirm that a compatible hard drive is installed and properly initialized within the NVR's settings. Check recording schedules and motion detection settings. Ensure the hard drive has sufficient free space.

8. Specifications

Technical specifications for the PNI House IP816 NVR.

Feature	Specification
Model Number	PNI-IP816
Number of Video Channels	16 Channels (5MP) or 10 Channels (8MP 4K)
Video Compression	H.265/H.264
Audio Compression	G.711U, G.711A, G.726
Recording Resolution	16Ch x 5MP, 10Ch x 4K, 8Ch x 4K / 4Ch x 4K
Playback Resolution	Max. 4K
Maximum Storage Capacity	1 x 8TB HDD (not included)
Network Interface	RJ45 - 10/100 Mbps
Audio Output	1 x 3.5 mm
Video Output	VGA, HDMI
USB Ports	2 x USB 2.0
Supply Voltage	12V / 2A
Consumption	15W (without HDD)
Dimensions	255 x 210 x 40 mm (10.04 x 8.27 x 1.57 inches)
Weight	755g (1.66 pounds)
Dedicated Application	P6Slite (Android/iOS), EasyVMS (Windows)

9. Warranty and Support

For warranty information, please refer to the warranty card included with your product or contact your retailer. For technical support, product updates, and additional resources, please visit the official PNI website or contact their customer service department.

Manufacturer: ONLINESHOP SRL
Contact Email: comenzi@pni.ro

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