

Comelit IPNVR008N06PA

COMELIT IPNVR008N06PA Network Video Recorder User Manual

8-Channel 6MP PoE AI NVR with 1TB HDD

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your COMELIT IPNVR008N06PA Network Video Recorder (NVR). Please read this manual thoroughly before using the device to ensure proper setup and functionality. Retain this manual for future reference.

2. PRODUCT OVERVIEW

The COMELIT IPNVR008N06PA is an advanced 8-channel Network Video Recorder designed for robust surveillance systems. It supports up to 6MP resolution cameras, features 8 Power over Ethernet (PoE) ports for simplified camera connection, and includes a pre-installed 1TB Hard Disk Drive (HDD) for storage. Integrated Artificial Intelligence (AI) functions enhance security monitoring capabilities.

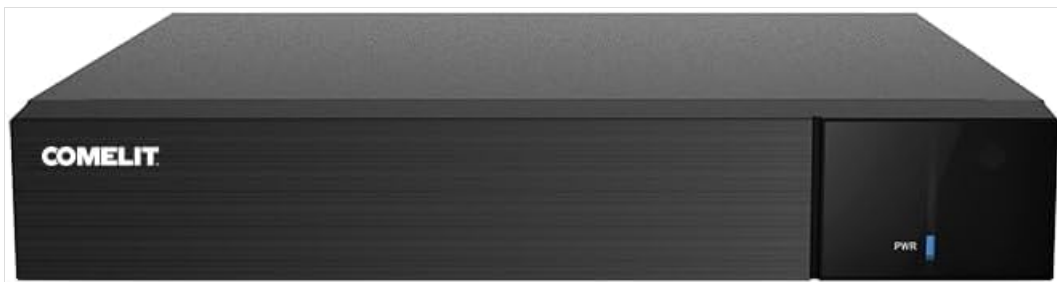


Figure 2.1: Front panel of the COMELIT IPNVR008N06PA NVR. This image displays the front panel of the Comelit IPNVR008N06PA NVR. The device is a dark gray rectangular unit with the 'COMELIT' logo prominently displayed on the left side. On the right side, there is a glossy black panel featuring a 'PWR' indicator and a blue LED light, which illuminates to indicate the power status of the unit.

3. KEY FEATURES

- **8 IP Channels:** Supports up to 8 IP cameras for comprehensive surveillance.
- **6MP Resolution:** Records video at a maximum resolution of 6 Megapixels.
- **8 PoE Ports:** Integrated Power over Ethernet for direct camera power and data transmission.

- **1TB HDD:** Pre-installed Hard Disk Drive for local video storage.
- **Advanced Video Compression:** Utilizes H.265S/H.265+/H.265/H.264 for efficient storage and bandwidth usage.
- **Dual Streaming:** Supports simultaneous high-resolution recording and lower-resolution remote viewing.
- **AI Functions:** Includes Line Crossing Detection and Area Intrusion Detection.
- **License Plate Database:** Capability to manage and recognize license plates.
- **Remote Access:** Accessible via Comelit CCTV app and Comelit CCTV Manager software.
- **Browser Compatibility:** Supports IE, Google Chrome, Edge, Firefox, and Safari.
- **Secure Cloud Connection:** Connects to Comelit servers protected by AWS services.

4. SETUP

4.1 Physical Installation

1. **Placement:** Position the NVR on a flat, stable surface in a well-ventilated area, away from direct sunlight, heat sources, and moisture. Ensure adequate space around the unit for airflow.
2. **Power Connection:** Connect the included 48V power adapter to the NVR's power input port and then to a suitable power outlet.
3. **Monitor Connection:** Connect a monitor to the NVR's VGA output port using a VGA cable.
4. **Network Connection:** Connect the NVR to your local network router or switch using an Ethernet cable.
5. **Camera Connection:** Connect your IP cameras to the NVR's PoE ports. The NVR will provide power and data connectivity to the cameras.
6. **USB Devices:** Connect a USB mouse for local control and a USB keyboard (optional) to the USB ports.

4.2 Initial Configuration

Upon first power-up, the NVR will guide you through an initial setup wizard on the connected monitor. Follow the on-screen prompts to:

- Set up an administrator password.
- Configure network settings (DHCP is recommended for most home/small business networks).
- Set date and time.
- Scan and add connected IP cameras.
- Initialize the 1TB HDD if prompted.

5. OPERATING INSTRUCTIONS

5.1 Accessing the NVR

You can access and control the NVR through multiple methods:

- **Local Interface:** Use the connected monitor and USB mouse for direct control.
- **Web Interface:** Open a compatible web browser (IE, Chrome, Edge, Firefox, Safari) on a computer connected to the same network as the NVR. Enter the NVR's IP address in the address bar. Log in with your administrator credentials.
- **Comelit CCTV App:** Download the Comelit CCTV app on your smartphone or tablet. Follow the app's instructions to add your NVR for remote viewing and control.
- **Comelit CCTV Manager Software:** Install the Comelit CCTV Manager software on your computer for advanced management and monitoring.

5.2 Video Recording

The NVR supports various recording modes:

- **Continuous Recording:** Records 24/7.
- **Motion Detection Recording:** Records only when motion is detected by the cameras.
- **Scheduled Recording:** Records during specific time periods.
- **Alarm Recording:** Records when an alarm event (e.g., AI detection) is triggered.

Configure recording schedules and settings through the NVR's web interface or local menu.

5.3 Playback

To review recorded footage:

1. Access the NVR via local interface, web interface, or the Comelit CCTV app.
2. Navigate to the 'Playback' section.
3. Select the desired camera(s), date, and time range.
4. Use the playback controls (play, pause, fast forward, rewind) to review the footage.

5.4 AI Functions

The NVR's AI capabilities enhance monitoring:

- **Line Crossing Detection:** Configure virtual lines in the camera's field of view. An alert is triggered when an object crosses this line in a specified direction.
- **Area Intrusion Detection:** Define specific zones in the camera's view. An alert is triggered when an object enters or loiters within this zone.
- **License Plate Database:** Utilize this feature to store and manage license plate information, enabling recognition and potential alerts based on predefined lists.

These functions can be configured in the NVR's 'AI' or 'Smart Events' settings.

6. MAINTENANCE

6.1 Firmware Updates

Periodically check for firmware updates on the Comelit official website. Firmware updates can provide new features, performance improvements, and security enhancements. Follow the instructions provided with the firmware update package carefully to avoid damaging the device.

6.2 HDD Management

The NVR's 1TB HDD will automatically overwrite the oldest recordings when it becomes full. You can configure overwrite settings and check the HDD status in the NVR's storage settings. Regular backups of critical footage are recommended.

7. TROUBLESHOOTING

- **No Power:** Ensure the power adapter is securely connected to the NVR and a working power outlet. Check the power indicator light on the front panel.
- **No Video Output on Monitor:** Verify the VGA cable connection. Ensure the monitor is powered on and set to the correct input source.
- **Cannot Access NVR via Network:** Check the Ethernet cable connection. Ensure the NVR and your computer/device are on the same network. Verify the NVR's IP address and network settings. Try restarting

the NVR and your router.

- **Cameras Not Displaying:** Ensure cameras are properly connected to the PoE ports. Check camera power and network status. Verify that cameras have been added and configured correctly in the NVR's settings.
- **Recording Issues:** Check HDD status and ensure it is initialized and healthy. Verify recording schedules and motion detection settings.
- **Forgot Password:** Refer to the Comelit support resources for password recovery procedures.

For further assistance, consult the Comelit support website or contact technical support.

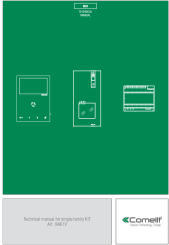

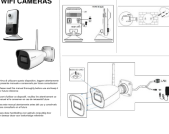



8. SPECIFICATIONS

Brand	Comelit
Model Number	IPNVR008N06PA
Number of Channels	8
Max Resolution	6 MP
PoE Ports	8
Video Compression	H.265S/H.265+/H.265/H.264
Storage Capacity	1 TB HDD (pre-installed)
Connectivity Technology	VGA (output)
AI Functions	Line Crossing Detection, Area Intrusion Detection, License Plate Database
Power Supply	48V (included)

9. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or visit the official Comelit website. Comelit provides technical support for its products. For assistance, please visit the Comelit support portal or contact their customer service department. Keep your product model number (IPNVR008N06PA) and purchase details ready when seeking support.

Comelit Official Website: www.comelitgroup.com

	<p>Comelit 8461V Technical Manual: Installation and Operation Guide</p> <p>Comprehensive technical manual for the Comelit 8461V single-family door entry kit. Covers installation, configuration, operation, and wiring diagrams for the Comelit Quadra series video intercom system.</p>
	<p>Comelit 4-8 PoE H.265 Stand-Alone Network Video Recorder User Manual</p> <p>User manual for the Comelit 4-8 PoE H.265 Stand-Alone Network Video Recorder (Models IPNVR045DPOE-IPNVR085DPOE), covering installation, configuration, operation, and system management.</p>
	<p>Comelit WiFi Cameras: Quick Start Guide & Connection Setup</p> <p>Learn how to connect and set up your Comelit WiFi cameras using PoE or LAN. Download tools like IPC Manager and Advance VMS for easy management. Get started quickly.</p>
	<p>Comelit Professional CCTV Solutions: Reference Guide</p> <p>Explore Comelit's comprehensive range of professional CCTV and video surveillance solutions, including the Next and Advance Series. Discover advanced analytics, robust cyber security, and high-performance products for all security needs.</p>
	<p>Comelit MINIDOME IP Camera System - Quick Start Guide</p> <p>Comprehensive guide to setting up and managing the Comelit MINIDOME IP camera system, covering connections, web interface, software tools, and mobile app access.</p>
	<p>Comelit Home Automation General Catalogue</p> <p>Comelit's General Catalogue for Home Automation, featuring integrated systems for smart living, climate management, lighting control, intruder alarms, voice assistants, and more. Explore solutions for apartments and detached houses.</p>