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Imou N18P LCNVR1108HS8PS

Imou N18P POE NVR Recorder User Manual

Model: N18P (LCNVR1108HS8PS)

1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of the Imou N18P POE NVR Recorder. The NVR (Network Video Recorder) is designed to record and manage video streams from up to 8 IP cameras, offering a reliable solution for video surveillance systems. It features Power over Ethernet (PoE) ports for simplified camera connection and supports advanced video compression technologies.

Package Contents

- Imou N18P POE NVR Recorder
- Power Adapter
- USB Mouse
- Screws for HDD Installation
- Quick Start Guide

2. PRODUCT OVERVIEW

Familiarize yourself with the components and interfaces of your Imou N18P POE NVR Recorder.

Front Panel



Figure 2.1: Front view of the Imou N18P POE NVR Recorder. This image displays the front panel of the NVR, featuring LED

indicators for HDD, NET, and POWER status, along with a USB port for connecting a mouse or external storage devices.

The front panel includes status indicator LEDs and a USB port:

- **HDD LED:** Indicates hard disk drive activity.
- **NET LED:** Indicates network connection status.
- **POWER LED:** Indicates power status.
- **USB Port:** For connecting a USB mouse or for data backup.

Rear Panel



Figure 2.2: Rear view of the Imou N18P POE NVR Recorder. This image shows the rear panel with multiple ports, including PoE ports for cameras, a LAN port for network connection, VGA and HDMI video outputs, audio input/output, and a power input.

The rear panel provides various connection interfaces:

- **PoE Ports (1-8):** RJ45 ports for connecting IP cameras and providing power via Ethernet.
- **LAN Port:** RJ45 port for connecting the NVR to your local network/router.
- **VGA Output:** For connecting to a monitor.
- **HDMI Output:** For connecting to a monitor or TV.
- **Audio In/Out:** RCA connectors for audio input and output.
- **Power Input:** DC 48V power input.
- **USB Port:** Additional USB port for peripherals.

3. SETUP

Follow these steps to set up your Imou N18P POE NVR Recorder.

3.1 Hardware Installation

1. **Hard Drive Installation (Optional):** If an HDD is not pre-installed, open the NVR casing, connect the SATA data and power cables to the HDD, and secure it with the provided screws. Close the casing.
2. **Connect Monitor:** Connect a monitor to the NVR using either the HDMI or VGA port.
3. **Connect Mouse:** Plug the USB mouse into one of the NVR's USB ports.
4. **Connect Network:** Connect the NVR's LAN port to your router or network switch using an Ethernet cable.
5. **Connect PoE Cameras:** Connect your PoE IP cameras to the NVR's PoE ports (1-8) using Ethernet cables. The NVR will provide power and data connectivity.

6. **Connect Power:** Plug the power adapter into the NVR's power input and then into a power outlet. The NVR will power on automatically.

3.2 Initial Configuration

1. **First-Time Boot:** Upon first power-on, the NVR will guide you through an initial setup wizard on the connected monitor.
2. **Set Administrator Password:** Create a strong password for the administrator account. This is crucial for security.
3. **Network Settings:** Configure network settings. DHCP is usually enabled by default, allowing the NVR to obtain an IP address automatically. For advanced users, a static IP can be configured.
4. **Add Cameras:** The NVR will typically auto-discover Imou PoE cameras connected to its PoE ports. Follow the on-screen prompts to add and initialize them. For third-party cameras, manual addition via ONVIF or specific protocols may be required.
5. **Time and Date:** Set the correct time zone, date, and time. Enable NTP (Network Time Protocol) for automatic synchronization.

4. OPERATING

This section covers the basic operation of your NVR system.

4.1 Live View

After successful camera setup, you can view live feeds from your cameras on the connected monitor. Use the USB mouse to navigate the interface. Double-clicking a camera feed will display it in full screen.

4.2 Recording

The NVR supports various recording modes:

- **Continuous Recording:** Records 24/7.
- **Motion Detection Recording:** Records only when motion is detected.
- **Scheduled Recording:** Records according to a predefined schedule.

Configure recording settings via the NVR's main menu: *Main Menu > Storage > Record*

4.3 Playback

To review recorded footage:

1. Go to *Main Menu > Playback*
2. Select the desired camera(s) and date.
3. Use the timeline to navigate through recorded events.

4.4 Remote Access

The Imou N18P NVR can be accessed remotely via the Imou Life mobile application or a web browser.

- **Imou Life App:** Download the Imou Life app from your smartphone's app store. Register an account and add your NVR by scanning the QR code on the device or entering its serial number.
- **Web Browser:** Access the NVR's web interface by entering its IP address into a web browser on a computer connected to the same network.

5. MAINTENANCE

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

5.1 Hard Drive Management

Periodically check the status of your hard drive. If the HDD is full, the NVR will typically overwrite the oldest recordings. You can format the HDD via *Main Menu > Storage > HDD Manage*.

5.2 Firmware Update

Keep your NVR's firmware updated to benefit from new features and security enhancements. Firmware updates can usually be performed via the NVR's system settings (*Main Menu > System > Upgrade*) or by downloading the firmware from the official Imou website and updating via USB.

5.3 System Reset

If necessary, you can restore the NVR to its factory default settings via *Main Menu > System > Default*. Be aware that this will erase all configurations and recordings.

6. TROUBLESHOOTING

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
No video output on monitor	Loose cable connection, incorrect input source on monitor, NVR not powered on.	Check HDMI/VGA cable connections. Ensure monitor is set to correct input. Verify NVR power LED is on.
Cameras not displaying video	Camera not powered, network issue, incorrect camera settings.	Check PoE cable connection to camera. Ensure camera is powered. Verify camera IP address and credentials in NVR settings.
No recording	HDD not installed/formatted, recording schedule not set, motion detection not configured.	Install and format HDD. Configure recording schedule or motion detection settings.
Cannot access NVR remotely	Network connectivity issues, incorrect app/web settings, firewall blocking.	Ensure NVR is connected to the internet. Check app/web login credentials. Verify router settings (port forwarding if necessary, though Imou usually uses P2P).

7. SPECIFICATIONS

Technical specifications for the Imou N18P POE NVR Recorder.

- **Model:** N18P (LCNVR1108HS8PS)
- **Video Input:** 8 Channels IP cameras
- **PoE Power Supply:** Total 36/72W
- **Video Compression:** Smart H.265+/H.265/Smart H.264+/H.264
- **Hard Drive Size (Max):** Supports up to 3 TB (user-installable)

- **Compatible Devices:** Camera
- **Connector Type:** Wi-Fi (for camera connection), Ethernet (for NVR network)
- **Wattage:** 72 watts
- **Product Dimensions:** 50 x 50 x 28 cm
- **Item Weight:** 2 kg

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Imou website or contact your local distributor. Keep your purchase receipt as proof of purchase for warranty claims.

Online Resources: Visit the official Imou support page for FAQs, firmware downloads, and additional resources.