

LaView LV-KN996P1612A4-T3

LaView 16-Channel 1080P IP PoE NVR Security System User Manual

Model: LV-KN996P1612A4-T3

1. INTRODUCTION

This manual provides essential instructions for setting up, operating, and maintaining your LaView 16-Channel 1080P IP PoE NVR Security System. This system is designed to provide comprehensive surveillance with high-definition video recording and remote viewing capabilities.

Key Features:

- **True Plug and Play PoE:** Simplifies camera connection and setup.
- **Full HD 1080p Video:** High-resolution viewing and recording.
- **Advanced Night Vision:** 30 IR LEDs provide visibility up to 100 feet in darkness.
- **Free Mobile Apps:** Remote viewing on smartphones, tablets, PCs, and Macs.
- **Wide Dynamic Range (WDR):** Improves visibility in high-contrast lighting.
- **3D Digital Noise Reduction (DNR):** Enhances image clarity in low-light conditions.

2. SYSTEM COMPONENTS AND SETUP

Before beginning installation, ensure all components are present and undamaged. The system includes the Network Video Recorder (NVR), 12 1080P bullet cameras, necessary cables, and accessories.



Figure 2.1: LaView 16-Channel NVR Security System components, including the NVR unit, 12 bullet cameras, Ethernet cables, power adapter, USB mouse, and remote control.

2.1 NVR Connections

Connect the NVR to a power source, a monitor (via HDMI or VGA), and your network router using an Ethernet cable. A USB mouse is typically used for navigation.



Figure 2.2: Rear panel of the NVR, illustrating the PoE ports for camera connections, HDMI and VGA outputs for display, USB ports, and the Ethernet port for network connectivity.

2.2 Camera Installation

1. Mount each bullet camera in your desired surveillance location.
2. Connect each IP camera to an available PoE port on the NVR using a Cat5e or Cat6 Ethernet cable.
3. The NVR will automatically detect and configure the cameras. Allow approximately 30 seconds to 1 minute for each camera to initialize after connection.



Figure 2.3: A single LaView 1080P bullet surveillance camera, highlighting its lens and infrared (IR) LEDs for night vision.

2.3 Mobile App Setup

To enable remote viewing, download the official LaView mobile application (e.g., LaView Net app) from your device's app store.

1. Create a user account within the app.

2. Navigate to the P2P (Peer-to-Peer) section.
3. Scan the QR code displayed on your NVR's P2P menu. If the QR code is invalid, ensure you are scanning the correct P2P QR code.
4. If you encounter a message stating "device is used by another user," this indicates the device is already linked to an account. To link it to a new account or another device, the previous link must be removed. In the P2P section of the app, swipe left on the device entry to reveal the delete option.
5. For multiple users, use the same primary account credentials to log in on additional devices.

3. OPERATING THE SYSTEM

Once the system is set up, you can monitor your premises through the NVR's connected monitor or via the mobile application.



Figure 3.1: Front panel of the NVR, showing the power button, status indicators, navigation controls, and front USB ports for peripherals like a mouse or USB drive.

3.1 Live View

- Access the live view from the NVR's main interface or the mobile app.
- The cameras provide 1080p resolution for clear daytime footage.
- At night, the 30 IR LEDs enable night vision up to 100 feet.
- Wide Dynamic Range (WDR) helps balance bright and dark areas in challenging lighting conditions.
- 3D DNR reduces visual noise in low-light images, providing a sharper picture.

3.2 Recording and Playback

- The NVR continuously records footage to the integrated 3TB hard drive.
- Use the NVR interface or mobile app to review recorded video.
- Search options typically include date, time, and event type.

4. MAINTENANCE

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

- **Cleaning:** Periodically clean camera lenses and NVR vents to prevent dust buildup. Use a soft, dry cloth.
- **Cable Inspection:** Check all Ethernet and power cables for secure connections and signs of wear or damage.
- **Firmware Updates:** Check the LaView official website for any available firmware updates for your NVR. Updates can improve system stability and add new features.
- **Hard Drive Health:** Monitor the NVR's hard drive status through the system settings to ensure it is functioning correctly.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your LaView security system.

5.1 No Camera Signal / Cameras Offline

- **Check Cable Connections:** Ensure all Ethernet cables are securely connected to both the camera and the NVR's PoE ports.
- **Power Cycle:** Disconnect and reconnect the camera's Ethernet cable from the NVR. If the issue persists, power cycle the NVR.
- **NVR Port Status:** Verify the NVR's interface shows the PoE port as active.
- **Cable Integrity:** Test with a known working Ethernet cable if possible.

5.2 NVR Reboots Unexpectedly

- **Power Supply:** Ensure the NVR is connected to a stable power source and the power adapter is functioning correctly.
- **Ventilation:** Check that the NVR has adequate ventilation and is not overheating. Clear any obstructions from the vents.
- **Firmware:** Ensure the NVR firmware is up to date. Outdated firmware can sometimes cause instability.
- **Hard Drive:** A failing hard drive can cause reboots. Check the hard drive status in the NVR's system settings.

5.3 Mobile App Connectivity Issues

- **Network Connection:** Verify both your mobile device and the NVR have active internet connections.
- **P2P Status:** Check the P2P status on your NVR's network settings. It should show as online.
- **App Version:** Ensure your mobile app is the latest version.
- **Re-add Device:** If issues persist, try deleting the device from the app and re-adding it using the P2P QR code.

6. SPECIFICATIONS

Feature	Detail
Model Number	LV-KN996P1612A4-T3
Brand	LaView
Number of Channels	16
Video Capture Resolution	1080p
Connectivity Technology	Wired (PoE)
Memory Storage Capacity	3 TB HDD
Night Vision Range	Up to 100 Feet
Power Source	Corded Electric
Product Dimensions	60.96 x 43.18 x 58.42 cm
Item Weight	25.45 kg
Manufacturer	LT Security
GTIN/UPC	849897003578

7. WARRANTY INFORMATION

The LaView 16-Channel 1080P IP PoE NVR Security System comes with a **2-Year Parts Warranty**. Please retain your proof of purchase for warranty claims. For specific terms and conditions, refer to the warranty documentation included with your product or visit the official LaView website.

8. CUSTOMER SUPPORT

If you require further assistance or encounter issues not covered in this manual, please contact LaView Customer Support. Contact information can typically be found on the official LaView website or in the packaging materials.