

LongPlus LPCP8B1

LongPlus 8MP 4K UHD PoE Wired Security Camera LPCP8B1 User Manual

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your LongPlus 8MP 4K UHD PoE Wired Security Camera (Model LPCP8B1). Please read this manual thoroughly before using the product to ensure proper functionality and safety. Retain this manual for future reference.

PACKAGE CONTENTS

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

- 1 x 8CH NVR with 48/1.875V Adaptor
- 4 x 8MP PoE Cameras
- 1 x USB Mouse
- 1 x 1M Cat5 Cable
- 4 x 18M Cat5 Cables
- 2 x Extra RJ45 Connectors
- 1 x 1M HDMI Cable
- 1 x Quick Start Guide
- 4 x Packs of Screws and Other Accessories for Mounting

PRODUCT OVERVIEW

Familiarize yourself with the key components of your security camera and Network Video Recorder (NVR).



Image: Diagram illustrating the components of the LongPlus security camera (microphone, infrared/white lights, lens, red/blue warning lights, reset button, network cable, power port) and the NVR (PoE ports, VGA, On/Off, HD-OUT, USB, Audio Out, Network, Power input).

Camera Components:

- **Microphone:** Captures audio for two-way communication and recording.
- **Infrared Lights & White Lights:** Provide illumination for various night vision modes.
- **Lens:** The primary component for capturing video footage.
- **Red and Blue Warning Lights:** Serve as a visual deterrent and alarm indicator.
- **Reset Button:** Used to restore the camera to factory default settings.

- **Network Cable Port:** Connects the camera to the NVR for Power over Ethernet (PoE) and data transmission.
- **Power Port:** An alternative power input if PoE is not utilized.

NVR Components:

- **Camera PoE Ports:** Dedicated ports for connecting PoE cameras, providing both power and data.
- **VGA Port:** Connects the NVR to a monitor or display with a VGA input.
- **On/Off Switch:** Controls the power supply to the NVR.
- **HD-OUT Port (HDMI):** Connects the NVR to an HDMI-compatible display for high-definition video output.
- **USB Ports:** Used for connecting the USB mouse, external storage devices, or for firmware updates.
- **Audio Out:** Connects to external speakers for audio playback.
- **Network Port:** Connects the NVR to your local network or router for internet access and remote viewing.
- **Power Input:** Connects the NVR to its dedicated power adapter.

SETUP AND INSTALLATION

1. Planning Your Installation

Before beginning installation, plan the optimal locations for your cameras to ensure maximum coverage and effective surveillance. Consider factors such as power source availability (PoE), cable routing, and desired viewing angles. The cameras are designed for versatile mounting in various environments.

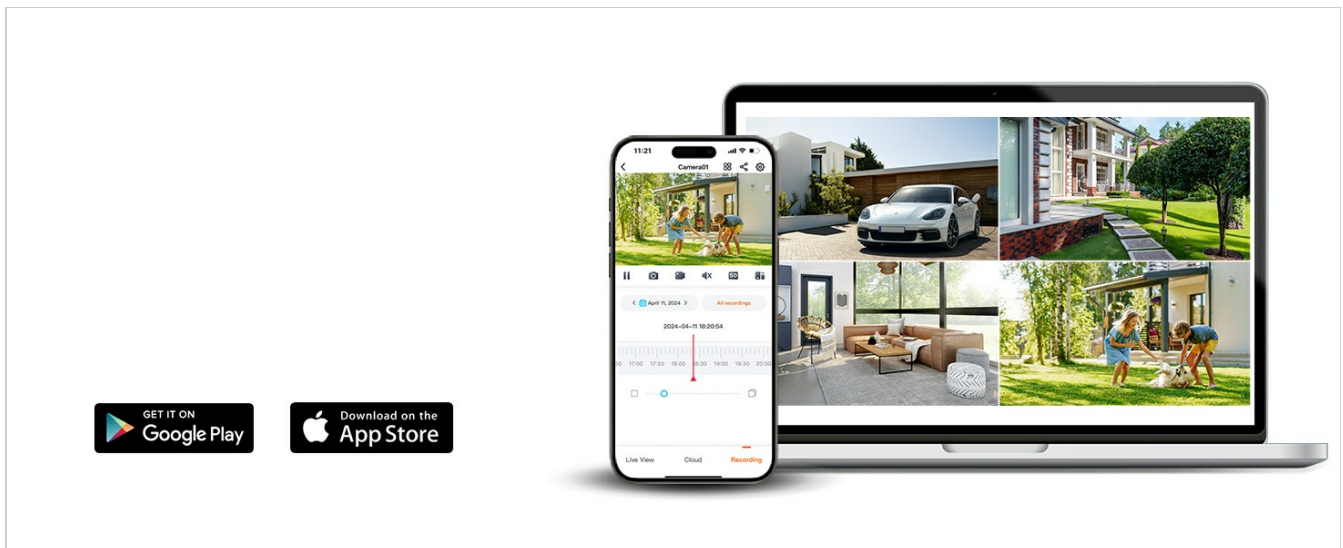


Image: A LongPlus security camera mounted on an exterior wall, suitable for various outdoor environments such as homes, warehouses, offices, and stores.

2. Connecting the System

1. **Connect Cameras to NVR:** Use the provided Cat5 Ethernet cables to connect each PoE camera to the designated PoE ports on the back of the NVR. These cables supply both power and video data, simplifying wiring.
2. **Connect NVR to Monitor:** Connect the NVR to a monitor or TV using the supplied HDMI cable (or a VGA cable if preferred) to view the system interface.
3. **Connect NVR to Network:** Connect the NVR's network port to your router using an Ethernet cable. This connection is essential for remote access, mobile app functionality, and firmware updates.
4. **Connect USB Mouse:** Plug the USB mouse into one of the NVR's USB ports. The mouse is used for navigating the NVR's on-screen interface.

5. **Power On:** Connect the NVR power adapter to a power outlet and then to the NVR. Turn on the NVR using the On/Off switch. The system will boot up automatically.



Image: Illustration of the plug-and-play PoE connection, where a single Ethernet cable provides power, network, video, and audio between the NVR and the camera, supporting distances up to 660ft.

3. Initial Configuration

Upon first boot-up, follow the on-screen prompts to complete the initial system setup. This typically includes:

- Setting a secure administrator password.
- Configuring the correct date, time, and time zone.
- Adjusting network settings (DHCP is usually sufficient for most home networks).
- Formatting the hard drive (if prompted) for recording.

Refer to the included Quick Start Guide for detailed, step-by-step instructions on the initial configuration process.

OPERATING INSTRUCTIONS

1. Accessing Live View and Recordings

You can view live camera feeds and recorded footage directly from a connected monitor or remotely via the Longvision mobile application (available for iOS and Android) and desktop client.



Image: The Longvision mobile application displaying live views from multiple cameras and options for playback and cloud storage, alongside a desktop interface.

2. Night Vision Modes

The camera offers three night vision modes for optimal visibility in low-light conditions. These modes can be configured via the NVR interface or the mobile app:

- **IR Night Vision:** Provides standard black and white infrared vision for clear images in complete darkness.
- **Color Night Vision:** Utilizes the camera's built-in spotlights to capture vibrant, full-color images even in very low light conditions.
- **Smart Night Vision:** Automatically switches between IR and color night vision based on detected motion or ambient light levels, providing a balance of clarity and efficiency.



Image: A visual comparison demonstrating the difference between infrared (monochrome) and full-color night vision provided by the camera's spotlights, enhancing detail and color in low-light environments.

3. AI Motion Detection and Activity Zones

The camera features advanced AI motion detection capabilities to accurately identify specific objects such as humans, vehicles, and pets, significantly reducing false alarms caused by irrelevant movements. You can customize detection settings:

- **Setting Activity Zones:** Define specific areas within the camera's field of view where motion detection will be active. This allows you to focus surveillance on critical areas and ignore movements in non-essential regions.
- **Privacy Masking:** Exclude certain areas from recording to protect privacy in sensitive locations.
- **Notification Settings:** Configure real-time alerts (app push, email) for detected events.

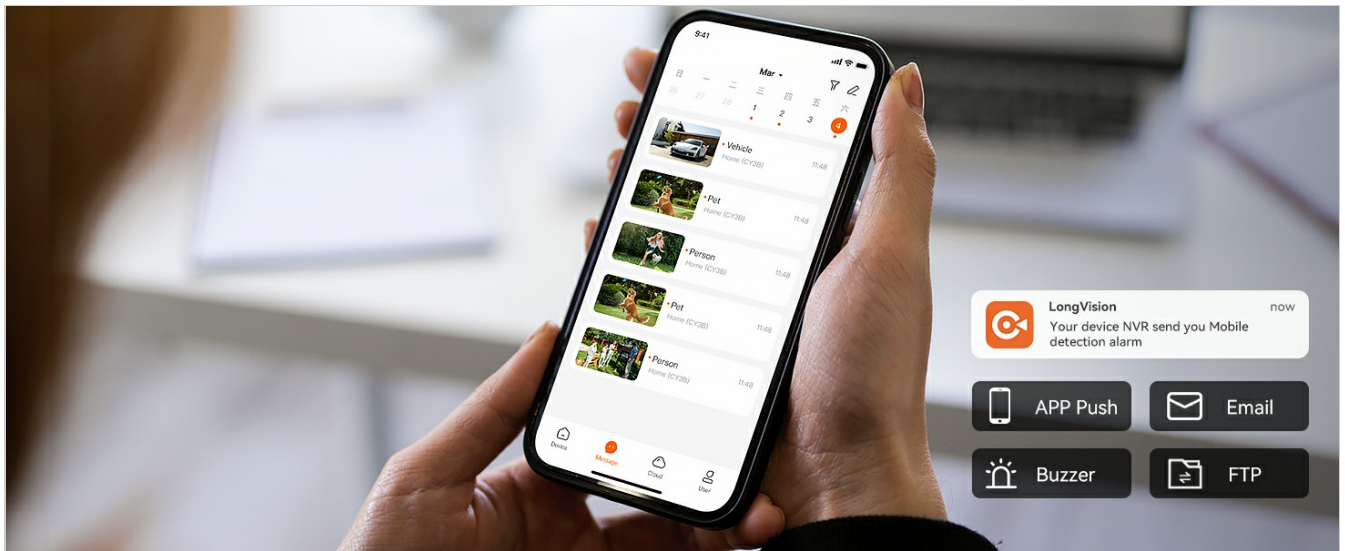


Image: An illustration of the AI detection system identifying a person, with options for two-way audio communication and triggering an alarm, along with mobile notifications for various detection types.

4. Two-Way Audio and Alarm Functions

The integrated microphone and speaker enable two-way audio communication, allowing you to speak to visitors or deter unwanted individuals. The camera also features active deterrence mechanisms:

- **Two-Way Audio:** Initiate conversations through the camera using the mobile app.
- **Strobe Light Alarm:** When motion is detected, the camera can activate bright red and blue flashing lights as a visual deterrent.
- **Audible Alarm:** An integrated siren can be triggered to emit a warning sound upon detection.



Image: The LongPlus camera with its red and blue alarm lights flashing, serving as a visual deterrent to potential intruders and signaling active surveillance.

MAINTENANCE

1. Cleaning the Camera

- Regularly clean the camera lens and housing with a soft, damp cloth to remove dust, dirt, and water spots.
- Avoid using harsh chemicals, abrasive cleaners, or solvents, as these can damage the lens coating or the camera's exterior.

2. Firmware Updates

- Periodically check the LongPlus official website or the Longvision mobile application for available firmware updates.
- Keeping your device's firmware updated ensures optimal performance, enhances security, and provides access to the latest features and improvements.

3. Environmental Considerations

The LongPlus LPCP8B1 camera is built with an IP67 waterproof rating, making it suitable for various outdoor conditions. It is designed to operate reliably in a wide temperature range from -20°C (-4°F) to 60°C (140°F).



Image: The LongPlus camera operating effectively in rainy weather, highlighting its IP67 waterproof and wide temperature range capabilities, ensuring durability in diverse climates.

TROUBLESHOOTING

Common Issues and Solutions:

No Video Feed from Camera:

- Ensure all Ethernet cables are securely connected between the cameras and the NVR's PoE ports.
- Verify that the NVR is powered on and properly connected to a monitor.
- Check the status indicator lights on the NVR's PoE ports; a solid light usually indicates a successful connection.
- If using an external power adapter for the camera (not PoE), ensure it is connected and functional.

Poor Image Quality or Blurry Video:

- Clean the camera lens thoroughly with a soft, lint-free cloth to remove any dust, dirt, or smudges.
- Ensure there are no physical obstructions (e.g., spiderwebs, leaves) in the camera's field of view.
- Check the video resolution settings on the NVR or mobile app to ensure it is set to 4K UHD.
- If experiencing lag or pixelation, verify the stability and bandwidth of your network connection.

Motion Detection Not Triggering or Too Many False Alarms:

- Verify that motion detection is enabled for the specific camera in the NVR settings or mobile app.
- Adjust the sensitivity settings for motion detection. Lower sensitivity for fewer false alarms, higher for more precise detection.

- Review and adjust the configured activity zones to ensure they accurately cover the desired monitoring areas and exclude irrelevant zones.
- Ensure AI detection for specific object types (human, vehicle, pet) is correctly configured.

Cannot Access Camera Remotely via App:

- Ensure the NVR is connected to your router and has an active internet connection.
- Verify that the Longvision app is correctly installed, updated, and connected to your NVR using the correct credentials.
- Check your router's firewall settings to ensure they are not blocking the NVR's access to the internet.
- Restart both your NVR and router.

TECHNICAL SPECIFICATIONS

Feature	Specification
Model Number	LPCP8B1
Video Capture Resolution	4K UHD (3840x2160p)
Connectivity Technology	Wired (Power over Ethernet - PoE)
Lens	F=2.8mm, 132° Wide Angle Lens
Night Vision Modes	Full Color Night Vision, IR Night Vision, Smart Night Vision
Night Vision Range	Up to 100 Feet (30 meters)
Special Features	AI Motion Detection (Human, Vehicle, Pet), 2-Way Audio, Red-Blue Alarm Lights, LED Spot Lights
Operating Temperature	-20°C to 60°C (-4°F to 140°F)
Waterproof Rating	IP67
NVR Channels	8 Channels
NVR Storage Capacity	Built-in 2TB HDD, Expandable up to 10TB
Video Compression	H.265+
Frame Rate	20 FPS
Dimensions (Camera)	Approx. 11.76 x 11.41 x 7.67 inches
Weight (Camera)	Approx. 1.28 pounds

WARRANTY AND SUPPORT

Warranty Information:

LongPlus provides a **2-year warranty** for the LPCP8B1 security camera. This warranty covers manufacturing defects

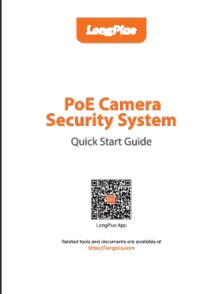

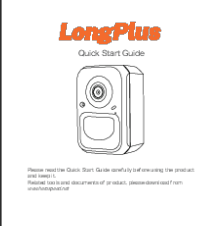
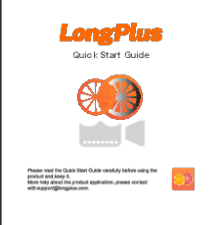
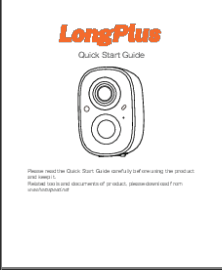

and ensures the product functions as intended under normal use. Please retain your proof of purchase for warranty claims.

Technical Support:

For any inquiries, technical assistance, or warranty claims, please contact LongPlus customer support. Our professional technical team aims to respond to your queries within 24 hours.

Please refer to the contact information provided in your Quick Start Guide or visit the official LongPlus website for the most up-to-date support details and contact methods.

Related Documents - LPCP8B1

	<p>LongPlus PoE Camera Security System Quick Start Guide</p> <p>A quick start guide for the LongPlus PoE Camera Security System, covering NVR and camera introductions, installation, connection, operation via local interface, web, and mobile app, frequently asked questions, and safety instructions.</p>
	<p>LongPlus Smart WIFI Camera LCY4B Instruction Manual</p> <p>Instruction manual for the LongPlus Smart WIFI Camera (model LCY4B) by Herospeed Technology Limited. Covers product overview, installation, setup via the LongPlus APP, account binding and sharing, firmware updates, and FCC compliance.</p>
	<p>LongPlus Quick Start Guide</p> <p>A comprehensive quick start guide for the LongPlus wireless smart battery camera, covering setup, installation, features, and troubleshooting.</p>
	<p>LongPlus IP Camera Quick Start Guide and Setup</p> <p>Comprehensive guide for setting up and using the LongPlus IP Camera, including app download, device pairing, installation, sharing features, charging, firmware updates, and troubleshooting.</p>
	<p>LongPlus Wireless Smart Battery Camera Quick Start Guide</p> <p>A comprehensive quick start guide for the LongPlus wireless smart battery camera, covering setup, installation, sharing, charging, specifications, and troubleshooting.</p>
	<p>DELTA APTI-W31S2 PTZ Outdoor IP Camera User Manual</p> <p>User manual for the DELTA APTI-W31S2 PTZ Outdoor IP Camera. This document provides essential safety information, installation guidance, technical specifications, and product details for the LongPlus Wi-Fi enabled security camera.</p>

