

LongPlus LP8ME84B1

LongPlus Smart 4K 8CH Home Security Camera System User Manual

Model: LP8ME84B1

Brand: LongPlus

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your LongPlus Smart 4K 8CH Home Security Camera System. This system is designed to provide robust surveillance with advanced features such as 4K UHD resolution, intelligent AI detection, and flexible storage options, ensuring comprehensive protection for your property.

Please read this manual thoroughly before operating the system and retain it for future reference.

2. PACKAGE CONTENTS

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

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



Image: The LongPlus 4K 8CH NVR system, including the main NVR unit, four white PoE bullet cameras, and a 2TB hard drive. This image illustrates the primary components of the security system.

3. SETUP

3.1 Physical Installation

Before mounting, test all cameras and connections to ensure proper functionality.

1. **NVR Placement:** Place the NVR in a secure, dry, and well-ventilated area, away from direct sunlight and heat sources. Ensure it is easily accessible for connections.
2. **Camera Placement:**
 - Choose strategic locations that provide optimal coverage of desired areas (e.g., entry points, driveways, yards).
 - Consider the camera's 132° wide-angle view for comprehensive coverage.
 - Ensure the cameras are within the 100ft night vision range for effective low-light monitoring.
 - The cameras are designed for outdoor use with a durable metal body, capable of withstanding extreme weather conditions (-22°F to 140°F).
3. **Cabling:**
 - Connect each PoE camera to the NVR's PoE ports using the provided Cat5 cables. The system supports cable runs up to 660ft.
 - Connect the NVR to a monitor using the HDMI or VGA cable.
 - Connect the USB mouse to the NVR's USB port for navigation.
 - Connect the NVR to your router's LAN port using the 1M Cat5 cable for network access.

Motion Detection Zone

You can set up motion detection zones with various sensitivity levels and thresholds to ensure motion detect triggers are accurate.

* The privacy mask is to disable parts of the picture for motion detection.



Image: A detailed diagram illustrating the connection setup for the LongPlus 8-channel PoE Home Security Camera System. It shows PoE cameras connecting to the NVR, the NVR connecting to a router for internet access, and connections to a monitor, mouse, and power. Remote access via PC and mobile devices is also depicted.

Two-way Audio with Strobe Light Alarm

Hey, stay away
from my house!



OK



Red & Blue
Light Alarm



MvD



Siren



Garage

Someone is found to stay around
Outdoor Cam P1 Lite

now

Image: A close-up view of the rear panel of the LongPlus NVR, highlighting its various ports including HDMI, VGA, USB, and Ethernet ports for camera and network connections.

Easy Remote Access



MAC



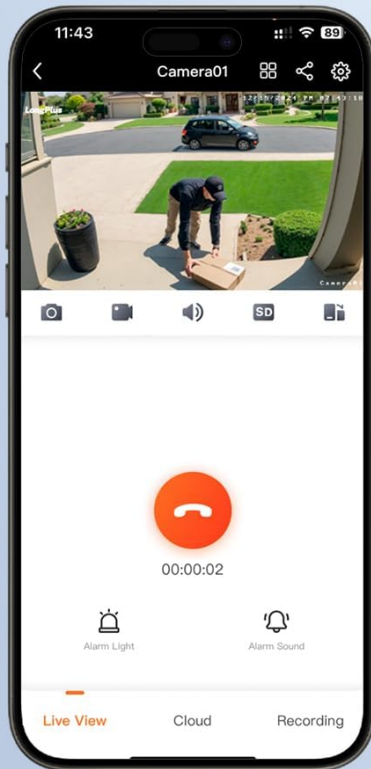
Windows



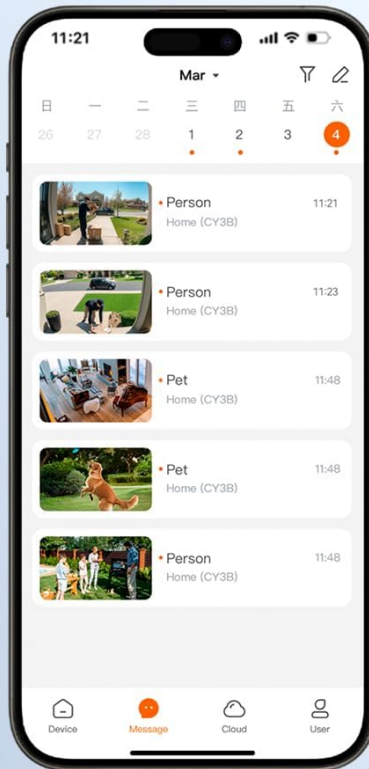
Apple



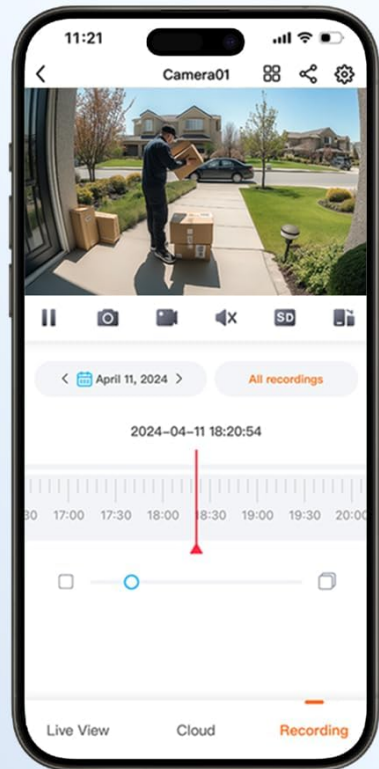
Google



Live View



Smart Motion Alert



Playback

Image: A visual comparison showing the LongPlus camera's 132-degree wide viewing angle providing broader coverage compared to a typical 121-degree view from other cameras.

3.2 Initial Power-Up and Configuration

1. Connect the NVR power adapter to a power outlet. The system will power on automatically.
2. Follow the on-screen prompts on the connected monitor to complete the initial setup wizard, including setting up a password and network settings.
3. The NVR comes with a 2TB HDD pre-installed. Ensure it is properly connected inside the NVR for local storage.

4. OPERATION

4.1 Remote Access and App Installation

To access your security system remotely, download the Longvision APP on your smartphone or tablet (iOS/Android) or use the client software for Mac/Windows.

- Search for "Longvision" in the Apple App Store or Google Play Store.
- Install the app and follow the in-app instructions to add your NVR system.
- The system supports up to 32 users for shared access.

Smart AI Detection Person/Vehicle/Pets



Push



Email



Siren

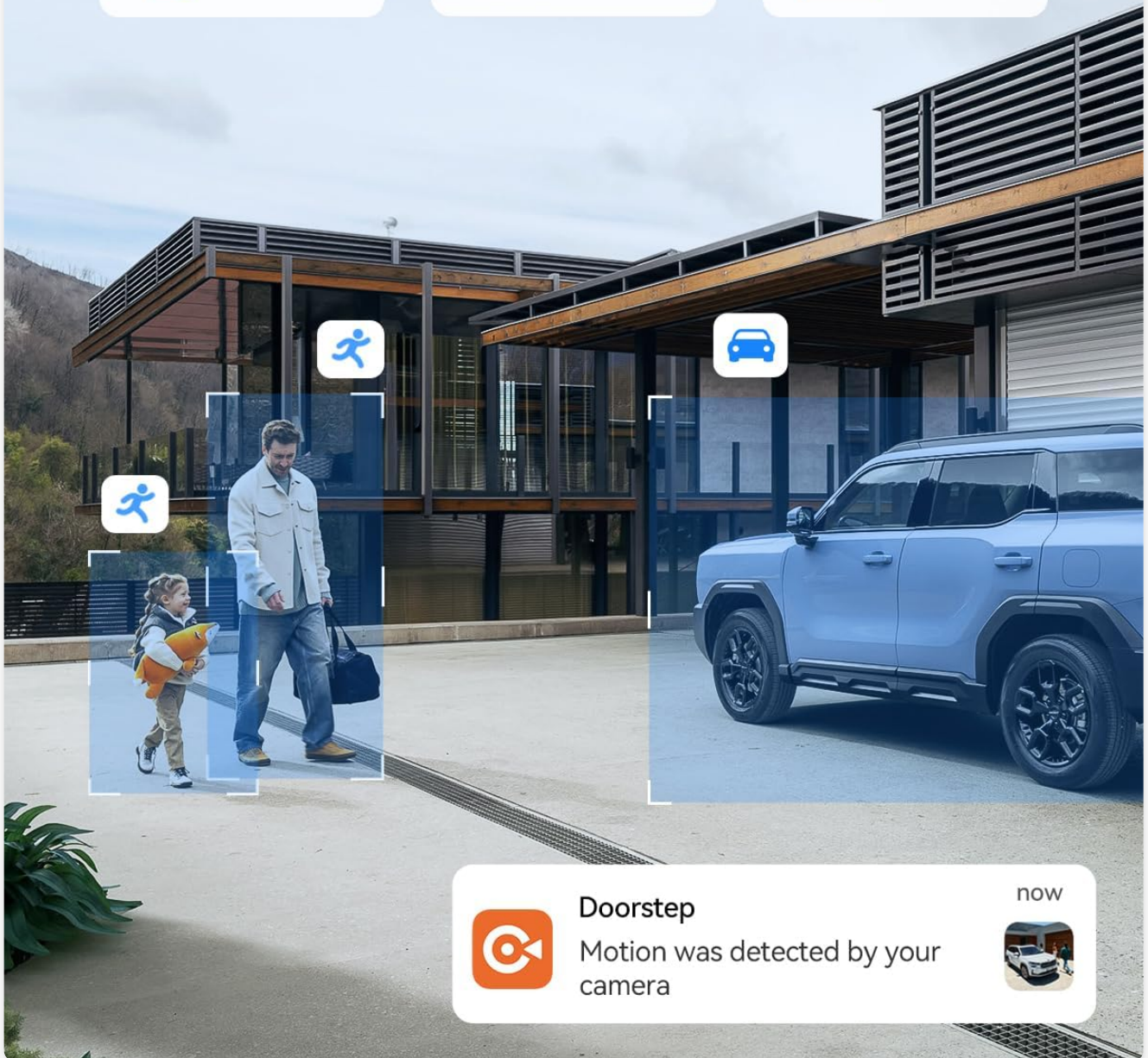


Image: Screenshots of the Longvision mobile application, demonstrating its live view, smart motion alert notifications, and video playback features. The app is compatible with Mac, Windows, Apple iOS, and Google Android operating systems.

4.2 Recording Modes and Storage

The NVR supports various recording modes and flexible storage options.

- **24/7 Continuous Recording:** The system records continuously to the pre-installed 2TB HDD. The storage is expandable up to 10TB.
- **Motion-Triggered Recording:** Records only when motion is detected, saving storage space. This is the default mode.
- **Scheduled Recording:** Set specific times for recording.
- **H.265+ Compression:** Utilizes advanced H.265+ video compression technology, which saves over 75% of storage space compared to H.264, allowing for longer recording times.
- **Cloud Storage:** Bank-level encrypted cloud storage is available as an optional service for off-site backup.

LongPlus 8 Channel POE Home Security Camera System

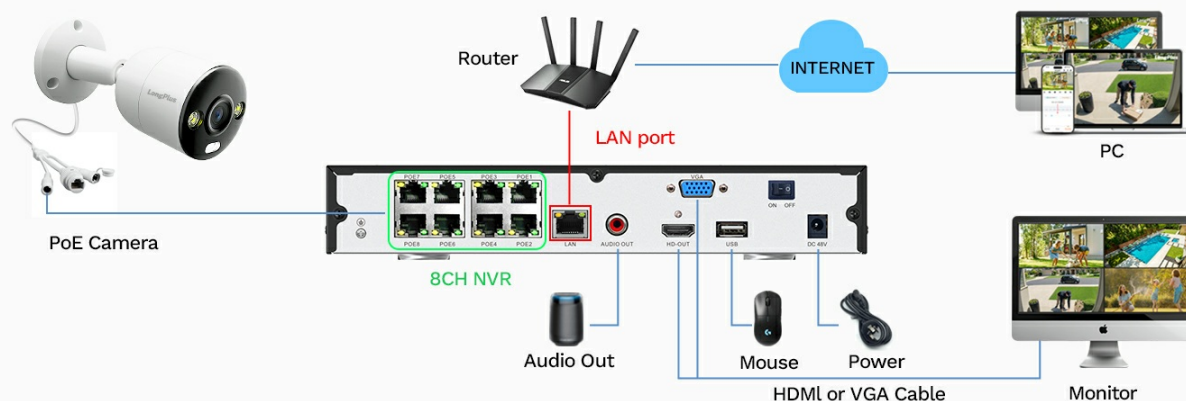


Image: A visual comparison demonstrating the efficiency of H.265+ compression over H.264, highlighting how H.265+ saves over 75% of storage space, enabling longer recording durations.

24/7 Recording Max 10TB Secured Local Storage

24/7 continuous recording directly to your hard drive with expandable storage and H.265+ compression for extended recording times.

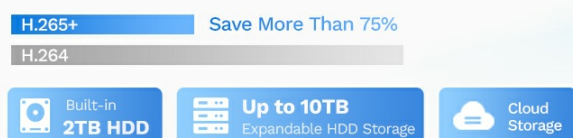


Image: An illustration of the LongPlus NVR's 24/7 recording capability and its support for expandable local storage up to 10TB, with a built-in 2TB HDD.

4.3 Night Vision Modes

The LongPlus system offers three distinct night vision modes to suit various lighting conditions:

- **IR Night Vision (Infrared Mode):** Provides clear black and white footage in complete darkness up to 100ft.
- **Color Night Vision (Full Color Mode):** Delivers vibrant, full-color footage even in low-light conditions, allowing for better identification of details.
- **Smart Night Vision (AI Mode):** Automatically switches to color night vision and activates the built-in spotlights when motion is detected, providing clear, illuminated footage.

4K/8MP UHD Quality Stunning Full-Color Night Vision

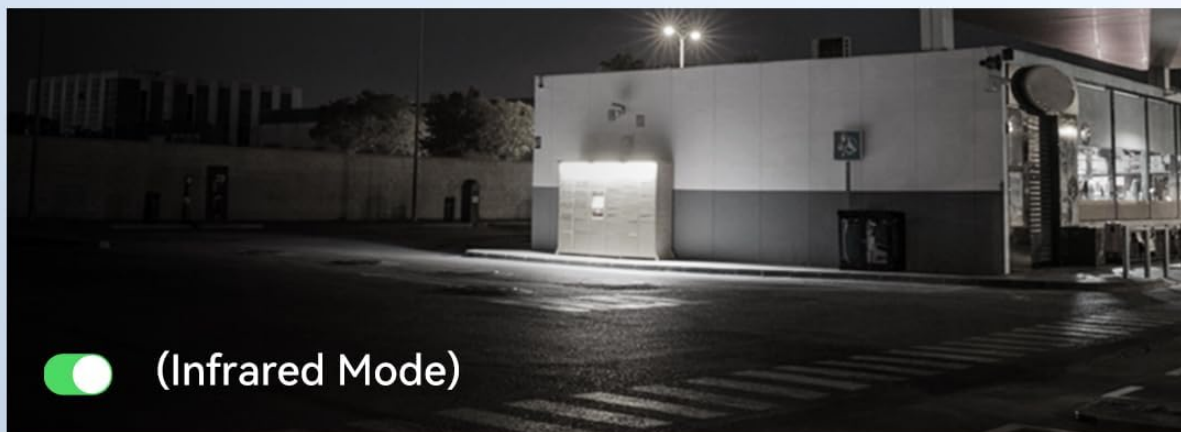
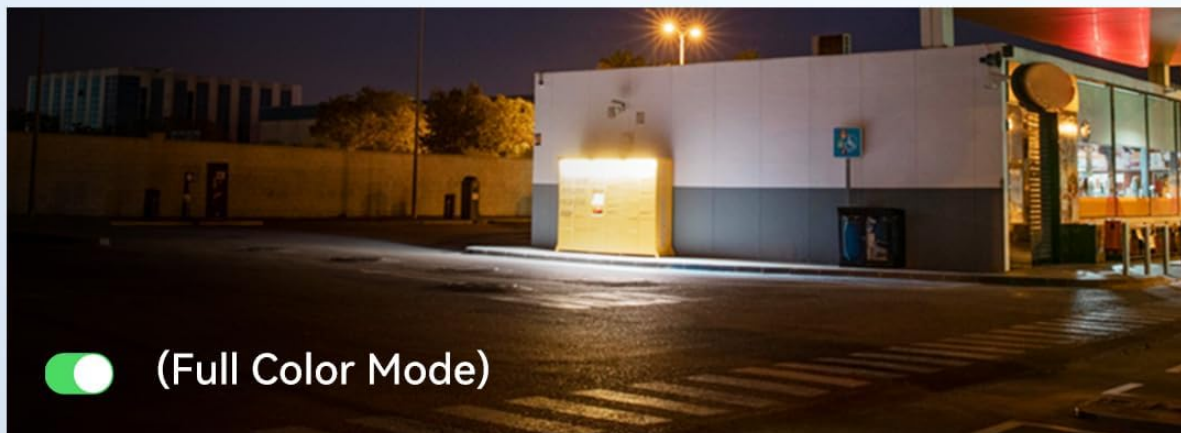


Image: A visual comparison demonstrating the three night vision modes: Full Color Mode, Infrared Mode, and Smart Night Vision (AI Mode), showing how each mode renders the scene differently in low light.

4.4 AI Motion Detection and Activity Zones

The system features advanced AI object detection for precise alerts.

- **Object Detection:** Accurately detects humans, vehicles, and pets, reducing false alarms.
- **Real-time Alerts:** Receive instant push notifications, emails, or siren alerts when motion is detected.
- **Activity Zones:** Define specific areas within the camera's field of view where motion detection should be active. This helps to ignore irrelevant motion (e.g., public roads).

- **Privacy Mask:** Configure privacy masks to block out specific areas from being recorded or viewed, ensuring privacy.

Wide View Angle



Image: An illustration of the smart AI detection capabilities, showing the system identifying a person and a vehicle, and the corresponding alert options: push notification, email, and siren.



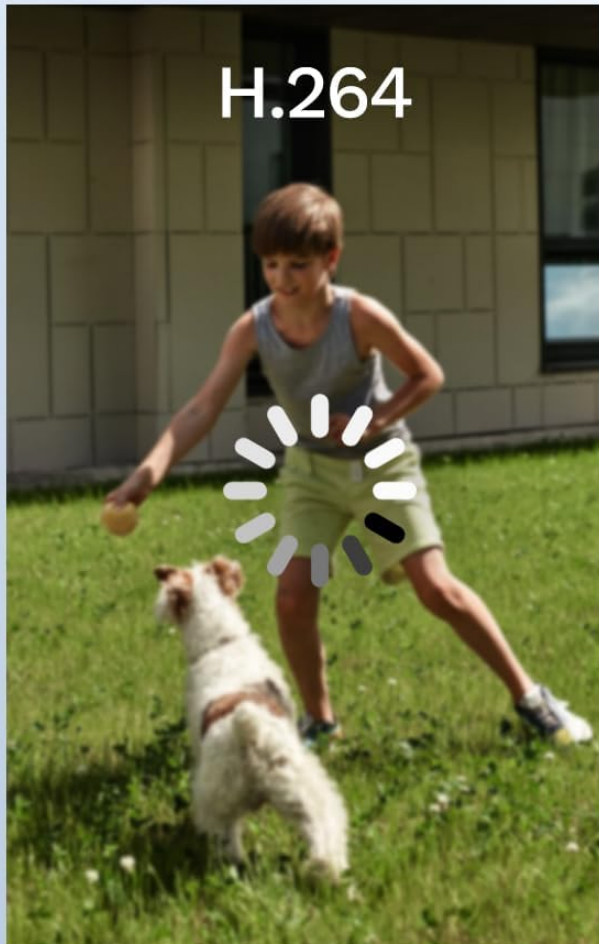
Image: A visual representation of how to set up motion detection zones and privacy masks within the camera's view, allowing users to customize surveillance areas and protect privacy.

4.5 Two-way Audio and Strobe Light Alarm

Enhance your security with interactive features:

- **Two-way Audio:** Communicate directly with visitors or deter intruders using the built-in microphone and speaker on the cameras.
- **Strobe Light Alarm:** When a humanoid, vehicle, or pet motion is detected, the camera can automatically trigger a red and blue strobe light to warn off intruders.
- **Siren Alarm:** An audible siren can be activated manually or automatically upon detection to further deter unwanted presence.

Efficient H.265+ Compression



H.264

Occupy **100%** Bandwidth



H.265+

Occupy **25%** Bandwidth

H.265+

(Save 75% Storage Space)

H.264

Image: An illustration depicting the two-way audio feature, where a person can speak through the camera, and the camera's red and blue strobe light alarm activating upon detection of an intruder.

5. MAINTENANCE

- **Regular Cleaning:** Periodically clean camera lenses with a soft, damp cloth to ensure clear image quality.
- **Firmware Updates:** The NVR firmware automatically updates when connected to the internet. Ensure your system is connected to receive the latest features and security enhancements.
- **HDD Health Check:** Regularly check the health of your HDD through the NVR's system settings to prevent

data loss.

- **Cable Inspection:** Inspect all cables for wear and tear, especially outdoor cables, to ensure reliable connection and power.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No image on monitor/TV	Loose HDMI/VGA cable, NVR not powered on, incorrect input source on monitor.	Check all cable connections. Ensure NVR is powered. Select correct input source on monitor (HDMI/VGA).
No camera image	Loose PoE cable, camera not powered, faulty camera/cable.	Check PoE cable connections to NVR and camera. Ensure NVR PoE ports are active. Try a different port or cable.
No remote access via app	NVR not connected to internet, incorrect network settings, app not configured correctly.	Ensure NVR is connected to router and has internet access. Verify network settings on NVR. Re-add device in Longvision app.
Motion alerts not received	Motion detection not enabled, activity zones not set correctly, notification settings off in app.	Enable motion detection in NVR settings. Adjust activity zones. Check app notification settings.
Poor night vision quality	Dirty lens, IR/Starlight mode not optimal, external light interference.	Clean camera lens. Try different night vision modes (IR, Color, Smart). Reduce external light sources that might cause glare.

7. SPECIFICATIONS

Feature	Detail
Brand	LongPlus
Model Number	LP8ME84B1
Connectivity Technology	Wired (PoE)
Video Capture Resolution	4K (8MP)
Number of Channels	8
Memory Storage Capacity	10 TB (2TB HDD included)
Item Dimensions (L x W x H)	11.76 x 11.41 x 7.67 inches

Feature	Detail
Operating System Compatibility	Android, Mac OS, Windows, iOS
Recommended Uses	Indoor, Outdoor
Night Vision Range	100 Feet
Frame Rate	30 fps
Recording Mode	Motion-triggered (default), Scheduled, 24/7
Total USB Ports	2
Hardware Interface	Ethernet, HDMI, USB, VGA
Viewing Angle	132 Degrees
Special Features	High Efficiency Video Coding (H.265+), Red & Blue Flashing Lights, Easy to Install, Waterproof, Vehicle Detection, Adjustable, Motion Sensor, Siren Alarm, Flexible Storage (Local/Cloud), Smart Playback, Person/Vehicle/Animal Detection, Two-way Audio

8. WARRANTY AND SUPPORT

LongPlus provides a **2-year warranty** for this product, ensuring peace of mind regarding manufacturing defects and performance issues.





Additionally, **lifetime technical support** is available for all LongPlus customers. If you encounter any issues or have questions regarding your security system, please do not hesitate to contact our professional technical team. We aim to respond to all queries within 24 hours.

For support, please refer to the contact information provided in your Quick Start Guide or visit the official LongPlus website.



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For more information, visit [LongPlus Store on Amazon](#).

Related Documents

 <p>LongPlus Quick Start Guide</p> <p>Please read the Quick Start Guide carefully before using the product and setup. Please read the user manual and other documents of the product, please download from www.longplus.com</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>LongPlus Quick Start Guide</p> <p>Please read the Quick Start Guide carefully before using the product and setup. Please read the user manual and other documents of the product, please download from www.longplus.com</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 Quick Start Guide</p> <p>Please read the Quick Start Guide carefully before using the product and setup. Please read the user manual and other documents of the product, please download from www.longplus.com</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</p> <p>BirdCare Feeder Cam Quick Guide</p>	<p>LongPlus BirdCare Feeder Cam Quick Guide</p> <p>A quick guide for setting up and using the LongPlus BirdCare Feeder Cam, including installation, charging, and basic operation.</p>