REOLINK RLC-423

REOLINK RLC-423 5MP PTZ PoE Security Camera Outdoor Instruction Manual

MODEL: RLC-423

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your REOLINK RLC-423 5MP PTZ PoE Security Camera. Please read this manual thoroughly before using the product to ensure proper functionality and safety. Keep this manual for future reference.

2. Product Overview

The REOLINK RLC-423 is a high-performance 5-megapixel Pan-Tilt-Zoom (PTZ) Power over Ethernet (PoE) security camera designed for outdoor surveillance. It offers Super HD video resolution, extensive pan and tilt capabilities, and powerful optical zoom for detailed monitoring.

Key Features:

- **5MP Super HD Video:** Captures clear 2560x1920 resolution videos and images.
- **4X Optical Zoom:** Allows for zooming in on distant objects without compromising image quality.
- **360° Pan & 90° Tilt:** Provides comprehensive coverage with endless horizontal rotation and significant vertical adjustment.
- **190ft IR Night Vision:** Ensures clear surveillance in complete darkness up to 190 feet.
- **IP66 Waterproof:** Designed for robust outdoor use in various weather conditions.
- **PoE (Power over Ethernet):** Simplifies installation by delivering power and data through a single Ethernet cable.
- **Smart Motion Detection & Alerts:** Configurable motion detection zones and sensitivity with real-time notifications.
- **Remote Access:** View live feeds and manage settings via the free Reolink App (iOS/Android) or Client software (Windows/Mac).
- **24/7 Recording:** Supports continuous recording to an NVR or up to 256GB SD card (not included).

Camera Components:

Figure 2.1: Front view of the REOLINK RLC-423 PTZ camera, showing the lens and infrared LEDs.

The camera features a robust housing, a high-resolution lens, multiple infrared LEDs for night vision, and a light sensor. It also includes an Ethernet port for PoE connectivity, an audio input jack, a reset button, and a power port for optional DC power. A micro SD card slot is available for local storage.

Figure 2.2: Visual representation of the camera's 4X optical zoom capability, showing a distant scene and a magnified detail.

The 4X optical zoom allows for clear magnification of distant details, enhancing surveillance capabilities.

Figure 2.3: Diagram illustrating the camera's 360-degree pan and 90-degree tilt movements, ensuring comprehensive area coverage.

The camera's pan and tilt functions enable monitoring of a wide area without blind spots.

3. Setup

This section guides you through the physical installation and initial setup of your RLC-423 camera.

3.1 Unboxing and Initial Inspection

Upon opening the box, verify that all components listed in the 'What's in the Box' section are present and undamaged. The package includes the RLC-423 camera, a waterproof lid, a quick start guide, and a 1m network cable.
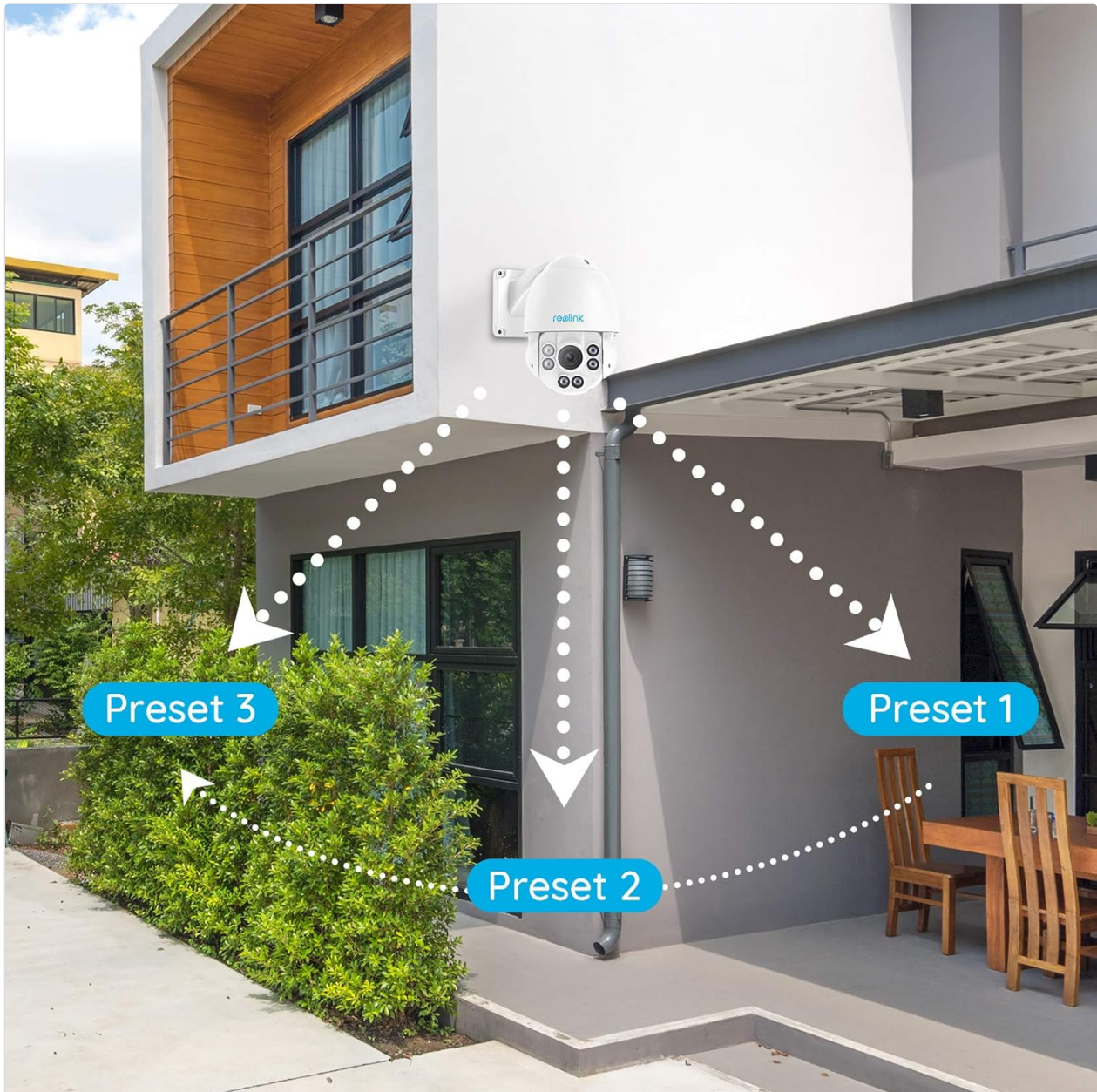
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Video 3.1: An overview of the REOLINK PTZ Outdoor Security Camera (RLC-423), demonstrating its features and components. This video provides a visual guide to the product's design and capabilities.

3.2 Physical Installation

The RLC-423 camera is designed for wall mounting. Ensure the mounting surface is sturdy enough to support the camera's weight. Use the provided mounting screws and plastic anchors for secure installation. A mounting template is included to assist with drilling pilot holes.

Figure 3.1: The RLC-423 camera installed on an exterior wall, illustrating potential preset monitoring points.

3.3 Power and Network Connection (PoE)

The RLC-423 supports Power over Ethernet (PoE), allowing both power and data transmission through a single Ethernet cable. Connect one end of an Ethernet cable to the camera's Ethernet port and the other end to a PoE-enabled NVR or PoE switch. If a PoE NVR is used, the camera will be automatically detected and configured.

For non-PoE setups, a 12V DC power adapter (included) can be used in conjunction with a standard Ethernet connection.

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Video 3.2: This video demonstrates the setup process for a Reolink PoE NVR, which is compatible with the RLC-423 camera for simplified power and data connectivity.

4. Operating the Camera

Control and monitor your RLC-423 camera using the Reolink App on your smartphone or the Reolink Client software on your computer.

4.1 Remote Access via Reolink App/Client

Download the free Reolink App from the App Store (iOS) or Google Play (Android), or the Reolink Client software from the official Reolink website (Windows/Mac). Once installed, add your camera or NVR to the app/client to access live view, playback, and settings.

Figure 4.1: A smartphone displaying the Reolink App interface, showing live view and PTZ controls for the RLC-423 camera.

4.2 Pan, Tilt, and Zoom (PTZ) Control

The Reolink App/Client provides a PTZ control interface. Use the joystick-like controls to manually pan (360° endless) and tilt (90°) the camera. The zoom buttons allow you to adjust the 4X optical zoom. You can also set and recall preset positions for quick navigation to specific areas of interest.

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Video 4.1: This video demonstrates the zooming capabilities of the Reolink RLC-423 security camera, showcasing its 4X optical zoom in action.

The camera also supports auto-patrol mode, where it automatically cycles through predefined preset positions.

4.3 Motion Detection and Alerts

Configure motion detection settings within the Reolink App/Client. You can adjust sensitivity levels, define specific motion zones to monitor, and set schedules for when motion detection is active. Upon detection, the camera can send real-time push notifications to your phone or email alerts.

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Video 4.2: A short preview video showcasing motion detection capabilities, where the Reolink camera captures an event.

4.4 Night Vision

The RLC-423 features 190ft infrared night vision, automatically activating in low-light conditions to provide clear black-and-white video. This ensures continuous surveillance even in complete darkness.

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Video 4.3: A brief preview demonstrating the camera's excellent photo and video quality, which extends to its night vision capabilities.

5. Specifications

Feature	Detail
Video Capture Resolution	5MP (2560x1920)
Optical Zoom	4x
Pan/Tilt Range	360° Pan, 90° Tilt
Night Vision Range	190 Feet (IR LEDs)
Waterproof Rating	IP66
Power Source	Power over Ethernet (PoE) / 12V DC
Connectivity Technology	Wired (Ethernet)
Storage Options	NVR, MicroSD Card (up to 256GB, not included)
Compatible Devices	Desktop, Laptop, Smartphone, Tablet
Control Method	Remote (Reolink App/Client), Google Assistant
Dimensions (L x W x H)	11.61 x 10.83 x 6.69 inches
Item Weight	3.74 pounds (1.7 Kilograms)

6. Maintenance

- **Cleaning:** Regularly clean the camera lens with a soft, damp cloth to ensure clear image quality. Avoid abrasive cleaners.
- **Firmware Updates:** Check the Reolink website or app periodically for firmware updates. Keeping your camera's firmware up-to-date ensures optimal performance, security, and access to new features.
- **Cable Inspection:** Periodically inspect all cables and connections for any signs of wear or damage, especially for outdoor installations. Ensure waterproof connections are sealed properly.

7. Troubleshooting

7.1 No Power/Connectivity

- Ensure the Ethernet cable is securely connected to both the camera and the PoE NVR/switch.
- Verify that the PoE NVR/switch is powered on and functioning correctly.
- If using a DC power adapter, ensure it is properly connected to a power source and the camera.

7.2 Poor Image Quality

- Clean the camera lens to remove any dirt or smudges.
- Check network bandwidth. Insufficient bandwidth can lead to lower resolution or choppy video.
- Ensure the camera's resolution settings in the app/client are set to 5MP for optimal clarity.

7.3 Motion Detection Issues

- Adjust the motion detection sensitivity. High sensitivity may trigger false alarms from minor movements or environmental changes.
- Review and refine motion detection zones to exclude areas with frequent irrelevant movement (e.g., swaying trees).
- Check the motion detection schedule to ensure it is active during desired times.

8. Warranty and Support

REOLINK products typically come with a limited warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Reolink website. For technical support, product registration, or further assistance, please contact Reolink customer support through their official website or the contact information provided in the Quick Start Guide.

Website: reolink.com