REOLINK RLK8-500V4

Reolink RLK8-500V4 5MP 8-Channel PoE Home Security Camera System

User Manual

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1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Reolink RLK8-500V4 5MP 8-Channel PoE Home Security Camera System. This system includes a Network Video Recorder (NVR) and four 5MP IK10 vandal-proof PoE cameras designed for wired outdoor use. Key features include a 130° ultra-wide-angle view, color night vision, smart AI detection, and two-way talk functionality.

Figure 1: Reolink RLK8-500V4 Home Security Camera System Overview

2. WHAT'S IN THE BOX

Please check the package contents carefully. If any items are missing or damaged, contact Reolink support.

- 1x RLN8-410 Network Video Recorder (NVR)
- 4x V500 5MP PoE Cameras
- 1x NVR Power Adapter
- 1x HDMI Cable
- 1x USB Mouse
- 1x 1m Network Cable
- 4x 18m Network Cables

Figure 2: Package Contents

3. SETUP GUIDE

3.1 Camera Installation

The Reolink V500 cameras are designed for easy Power over Ethernet (PoE) installation, requiring only a single network cable for both power and data transmission. The cameras feature an IK10 vandal-proof rating and IP67 waterproof rating, making them

suitable for outdoor environments.

Your browser does not support the video tag.

Video 1: How to install Reolink vandalproof cameras. This video demonstrates the step-by-step process for mounting Reolink vandalproof cameras, including drilling, securing the base, and adjusting the lens angle.

Installation Tips:

- Avoid facing the camera directly towards strong light sources to prevent overexposure.
- Position the camera to minimize direct exposure to harsh weather conditions that could obscure the lens.

Mounting Steps:

1. **Prepare the Mounting Surface:** Use the provided mounting template to mark the drill holes on your desired ceiling or wall location. Drill the holes accordingly.
2. **Insert Drywall Anchors:** For drywall installations, gently tap the drywall anchors into the drilled holes using a hammer.
3. **Remove Dome Cover:** Use the included hex key to loosen the screws and carefully remove the dome cover from the camera base.
4. **Secure Camera Base:** Align the camera base with the drilled holes and screw it securely to the mounting surface.
5. **Adjust Lens Angle:** Manually adjust the camera lens to achieve the desired viewing angle and coverage. The camera features a built-in rotating bracket for flexible positioning.
6. **Reattach Dome Cover:** Carefully place the dome cover back onto the camera base and secure it with the hex key.
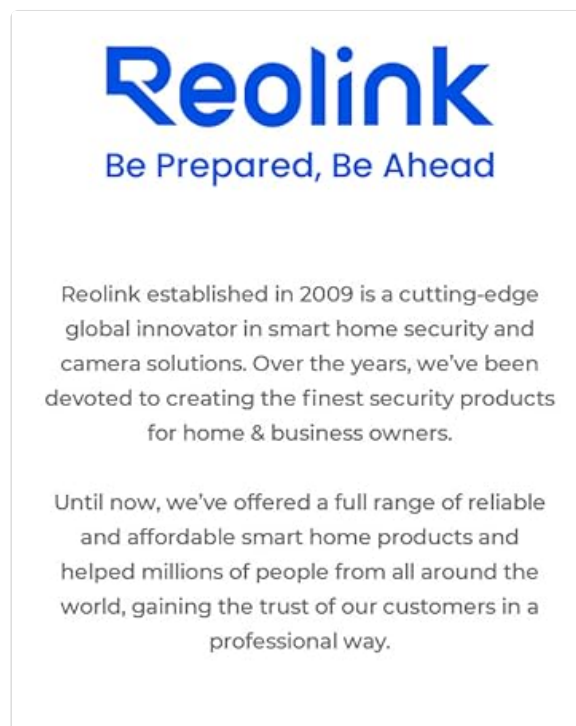

Figure 3: Reolink V500 Camera Components

3.2 NVR Connection

Connect the NVR to your cameras and a display for initial setup. The PoE technology simplifies wiring by delivering power and data through a single Ethernet cable.

- Connect the NVR to a power source using the provided power adapter.
- Connect each camera to an available PoE port on the NVR using the supplied network cables.
- Connect the NVR to a monitor or TV via the HDMI or VGA port for local viewing and configuration.
- For remote access, connect the NVR's LAN port to your router using an Ethernet cable.

Reolink

We are excited to unveil a comprehensive brand refresh that introduces our new positioning and core values, shaping a more progressive Reolink that resonates deeply with our commitment to you and our dedication to protecting what matters most.

*Before the brand upgrade is completed, you may receive products with the old logo. Please refer to the images shown on the product page.

Figure 4: NVR Rear Panel Connections

4. OPERATING INSTRUCTIONS

4.1 Video Monitoring and Recording

The system provides 5MP Quad HD video recording at 25 frames per second (fps), ensuring clear and smooth footage. The NVR includes a built-in 2TB HDD for 24/7 continuous recording, which can be expanded up to 16TB for extended storage.
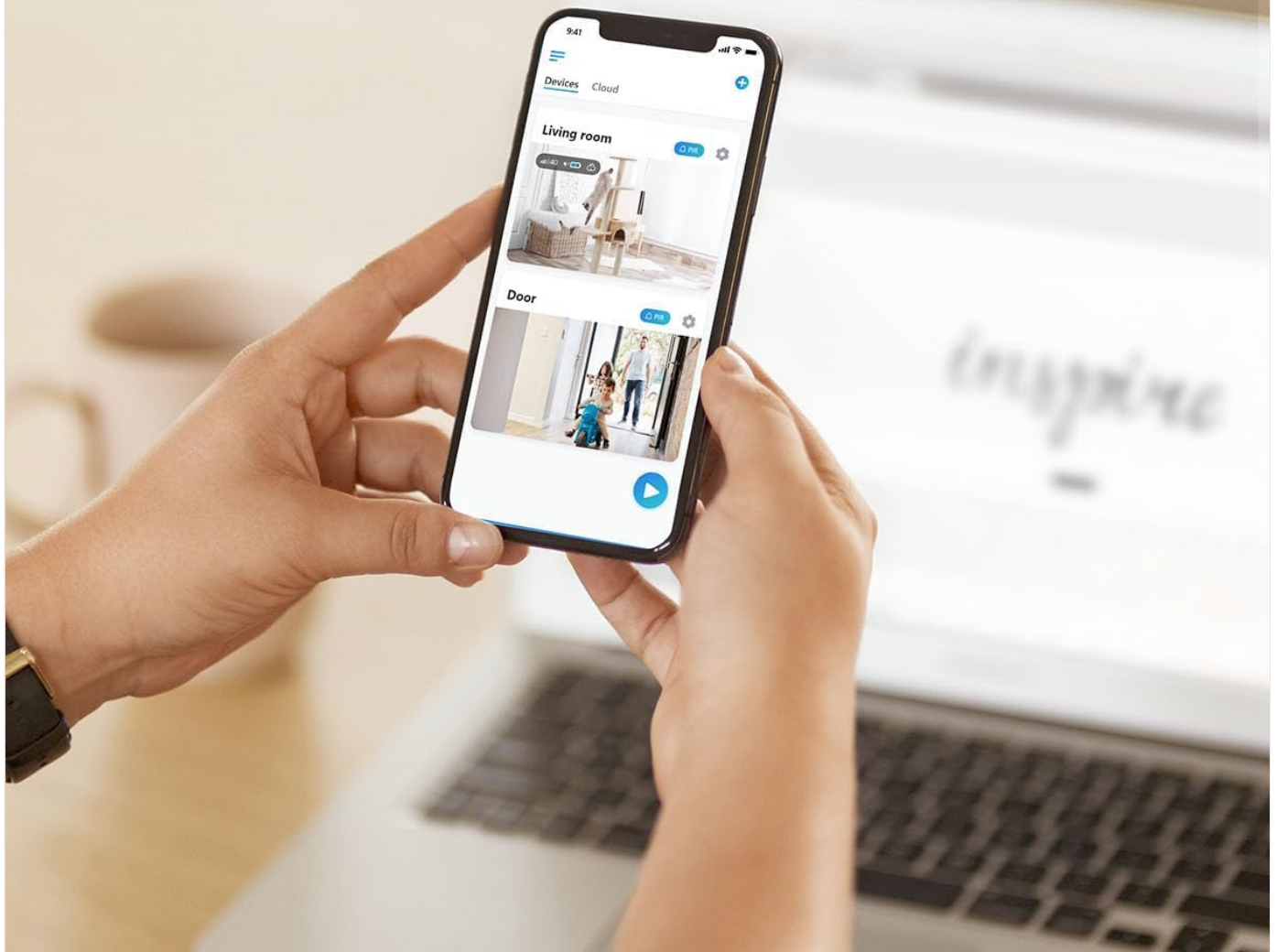
Figure 5: 24/7 Recording with 2TB HDD and Expandable Storage

4.2 Night Vision Capabilities

The cameras are equipped with both color night vision and infrared (IR) night vision. Adjustable 3000K warm lights enable vibrant color night vision, while powerful IR LEDs provide clear black-and-white vision up to 30 meters in complete darkness.

Figure 6: Day and Color Night Vision

4.3 Smart AI Detection and Two-Way Talk

The system features intelligent AI detection that accurately identifies human, vehicle, and animal movements, reducing false alarms. The integrated two-way talk function allows you to communicate directly with visitors or deter intruders using the camera's built-in speaker and microphone. Siren and spotlight warnings can also be activated.
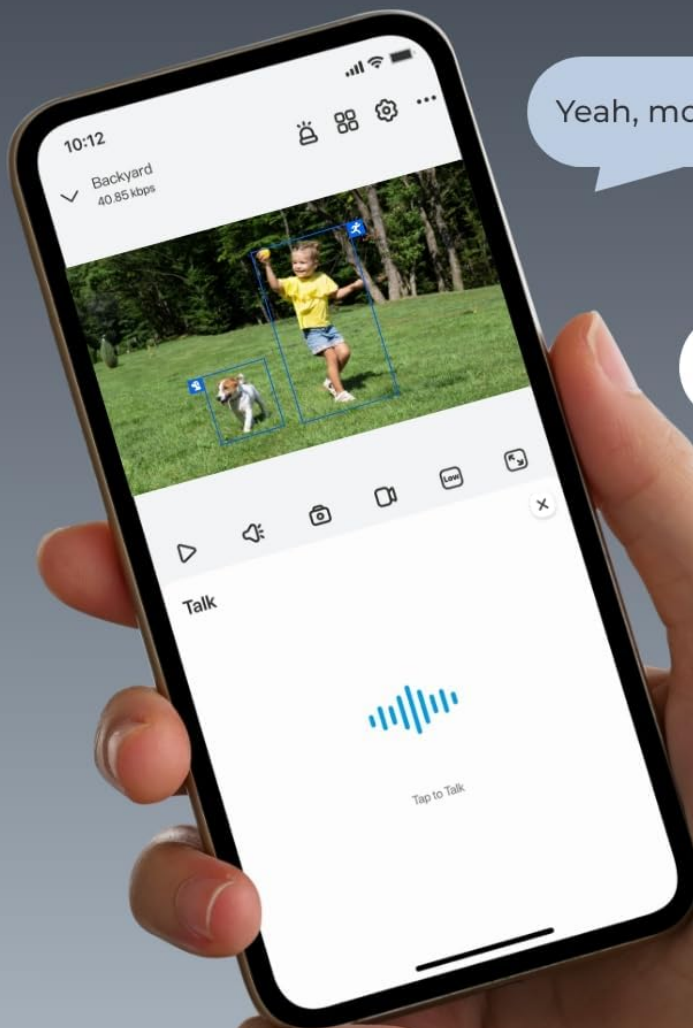
Figure 7: Smart Detection Capabilities
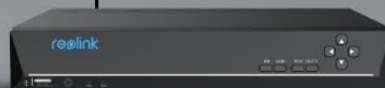
Figure 8: Smart Detection Alerts and Two-Way Talk

4.4 Remote Access

Access your camera system remotely from anywhere using the Reolink app (available on App Store and Google Play) or client software. The system supports up to 20 simultaneous users for remote viewing.

Built-in Microphone

3000K Warm Spotlight

Lens

IR LEDs

Daylight Sensor

Built-in Speaker

Reset

Waterproof Lid

Network Cable

Power Supply (Optional)

Manually Adjustable to 57°

On/Off Switch

eSATA

Camera Input

Power Input

USB Port

VGA Port

Network

Audio Out

HDMI Port

Note: The camera's reset button is located beneath a protective cover.

Figure 9: Remote Access via Reolink App

5. MAINTENANCE

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

- **Camera Cleaning:** Periodically clean the camera lens with a soft, damp cloth to remove dust, dirt, or water spots that may affect image clarity. Avoid abrasive cleaners.
- **Cable Inspection:** Regularly check all network cables for any signs of wear, damage, or loose connections. Ensure

waterproof lids are securely fastened.

- **Firmware Updates:** Check the Reolink official website or app for available firmware updates to ensure your system has the latest features and security enhancements.
- **NVR Placement:** Ensure the NVR is placed in a well-ventilated area, away from direct sunlight, heat sources, and moisture, to prevent overheating.

Figure 10: Camera Durability (IK10 Vandal-Proof & IP67 Weatherproof)

6. TROUBLESHOOTING

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

- **System not working with other camera brands:** The Reolink RLK8-500V4 system is designed to work exclusively with Reolink PoE cameras to ensure full functionality and stable performance. Other brands or non-Reolink models are not supported.

- **Internet connection required:** An internet connection is only necessary for remote access features. Local recording and viewing will function even without an internet connection.

- **Camera or NVR not working properly:** First, check all cable connections, ensure they are secure, and try switching to different ports on the NVR. Confirm that the NVR and cameras are receiving power. If the issue persists, contact Reolink Support with your order information for further troubleshooting or potential replacement.

7. SPECIFICATIONS

Feature	Detail
Model Number	RLK8-500V4
Camera Resolution	5 Megapixels (5MP Quad HD)
Video Frame Rate	25fps
Lens	2.8mm wide-angle
Field of View	130° (diagonal)
Night Vision	Color Night Vision (3000K warm lights) & IR Night Vision (up to 30m)
Detection	Smart AI Detection (Human, Vehicle, Animal)
Audio	2-Way Talk (built-in microphone & speaker)
Camera Durability	IK10 Vandal-Proof, IP67 Weatherproof, All-metal construction
NVR Channels	8 Channels
NVR Storage	Built-in 2TB HDD, Expandable up to 16TB
Connectivity	Power over Ethernet (PoE)
Product Dimensions	7.87 x 3.15 x 4.72 inches
Item Weight	15.5 pounds
Manufacturer	Reolink Digital

8. WARRANTY & SUPPORT

Reolink is committed to providing reliable products and excellent customer service.

- **2-Year Warranty:** All Reolink products come with a 2-year limited warranty from the date of purchase.
- **Lifetime Technical Support:** Reolink offers lifetime technical support for its products.

- **Contact Support:** For any questions, issues, or warranty claims, please contact Reolink Support via Amazon message or email.

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