REOLINK RLC-811A

REOLINK RLC-811A 4K PoE IP Security Camera Instruction Manual

Model: RLC-811A | Brand: REOLINK

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your REOLINK RLC-811A 4K PoE IP Security Camera. Designed for outdoor surveillance, this camera offers advanced features such as 4K Ultra HD video, 5X optical zoom, smart human/vehicle/pet detection, and full-color night vision with integrated spotlights. Please read this manual thoroughly before using the product to ensure proper setup and optimal performance.



Image: REOLINK RLC-811A 4K PoE IP Security Camera, showcasing its sleek white design and bullet form factor.

What's in the Box

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

- 1x RLC-811A camera
- 1x Waterproof Lid
- 1x 1m Network Cable (for camera test)
- 1x Quick Start Guide
- 1x Mounting Template
- 1x Surveillance Sign
- 1x Pack of Screws

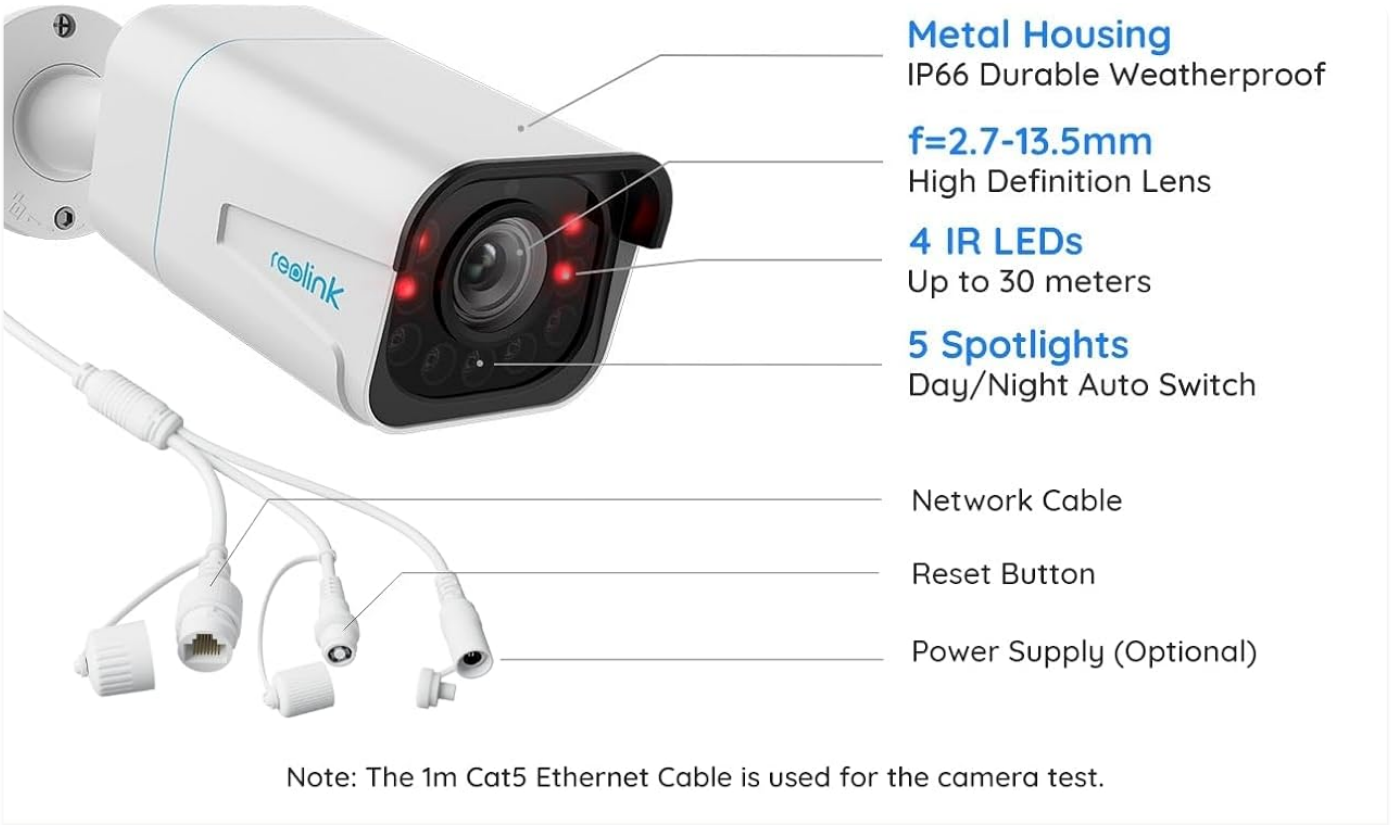


Image: All components included in the REOLINK RLC-811A package, neatly laid out.

Product Overview

The RLC-811A camera is designed for robust outdoor surveillance with a durable aluminum housing and IP66 weatherproof rating. Key features include:

- **4K Ultra HD Resolution:** Captures crisp 8MP (3840x2160) video for superior detail.
- **5X Optical Zoom:** Allows you to zoom in on distant objects without compromising image clarity.

- **123° Wide Angle View:** Provides extensive coverage of your property.
- **Smart Human/Vehicle/Pet Detection:** Advanced AI technology distinguishes between people, vehicles, and pets, reducing false alarms.
- **Full-Color Night Vision:** Integrated spotlights enable color video recording even in low-light conditions.
- **Infrared LEDs:** Four IR LEDs provide up to 100ft (30m) night vision when spotlights are off.
- **Two-Way Talk:** Built-in microphone and speaker allow for real-time communication.
- **Siren & Spotlights:** Can be triggered automatically upon detection or manually to deter intruders.
- **Time-Lapse:** Capture long-term events in a condensed video format.
- **PoE (Power over Ethernet):** Simplifies installation by delivering power and data via a single network cable.

Setup

Setting up your RLC-811A camera is a straightforward process thanks to PoE technology. Follow these steps for initial power-on and configuration:

1. **Connect to PoE:** Connect the camera to a PoE NVR, PoE switch, or PoE injector using an Ethernet cable. This single cable provides both power and data connection.
2. **Download Reolink App:** Download and install the official Reolink App on your smartphone (available for Android and iOS).
3. **Add Device:** Open the Reolink App, tap the '+' icon to add a new device. Scan the QR code located on the camera body.
4. **Initialize Camera:** Follow the on-screen prompts to create a password and name for your camera. Once initialized, you can view the live feed and configure settings.

Video: Official Reolink guide on unboxing, easy setup, and installation of the RLC-811A camera, demonstrating the connection process and app initialization.

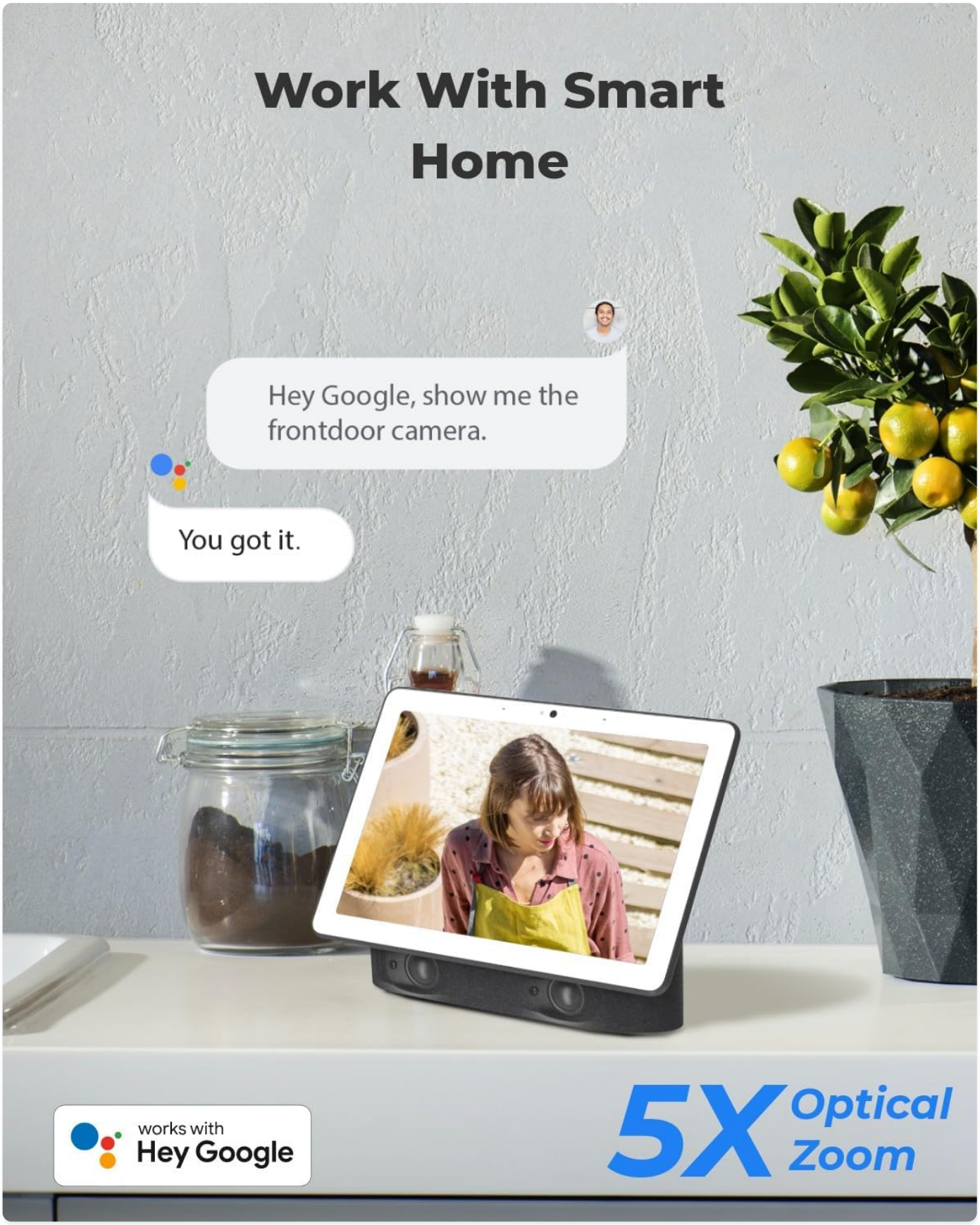


Image: Diagram illustrating the simplified PoE connection for the REOLINK RLC-811A, showing how a single Ethernet cable connects the camera to a PoE switch or NVR.

Operating the Camera

Once your camera is set up, you can utilize its various features for effective surveillance:

4K Ultra HD & 5X Optical Zoom

Experience crystal-clear surveillance with 4K resolution. The 5X optical zoom allows you to magnify details without losing image quality, providing a clearer view of distant objects.

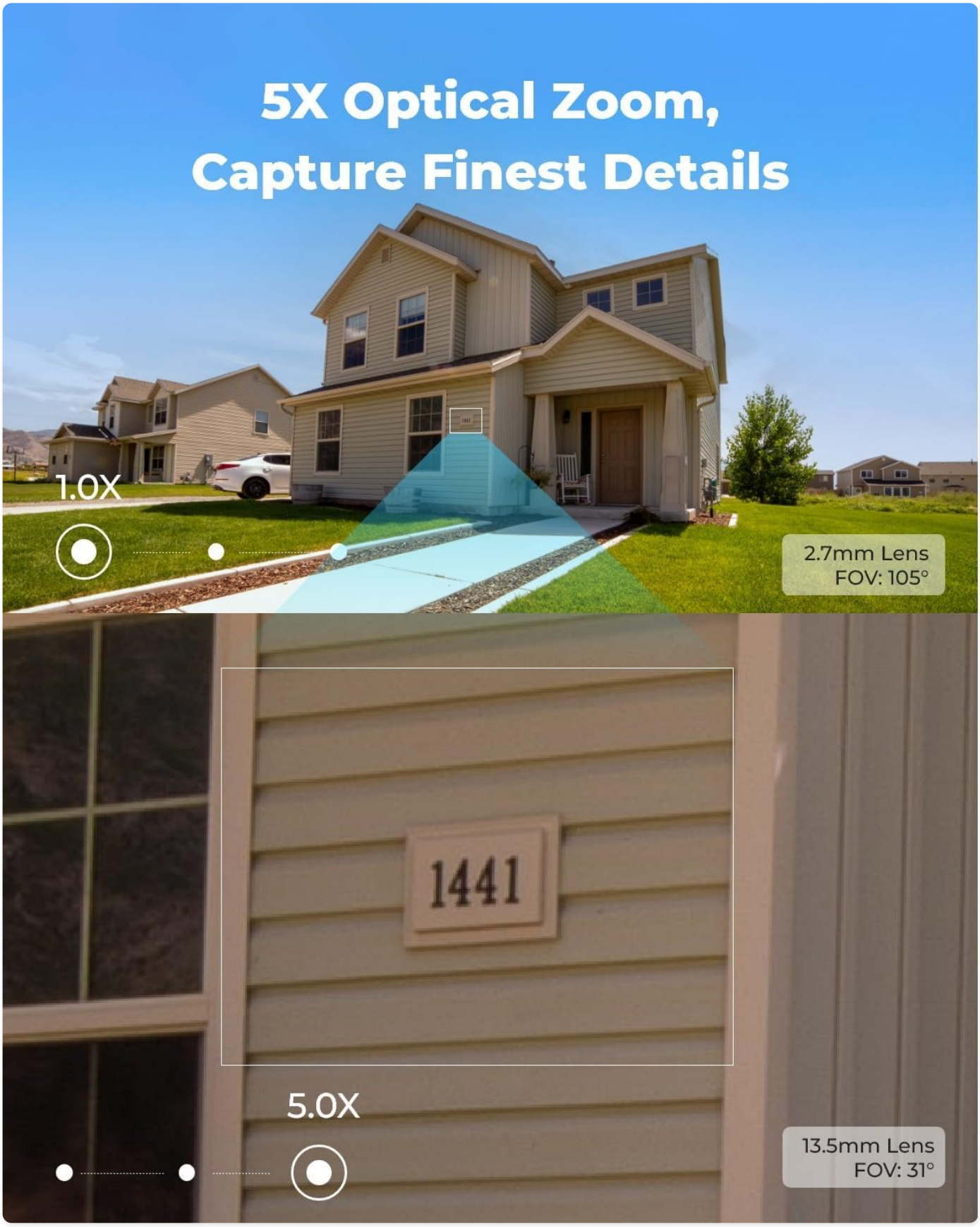


Image: Demonstration of the 5X optical zoom capability of the REOLINK RLC-811A, showing a clear magnification of a house number from a distance.

Smart Person/Vehicle/Pet Detection

The camera's intelligent detection minimizes false alarms by accurately identifying people, vehicles, and pets. You will receive precise alerts based on the type of motion detected.

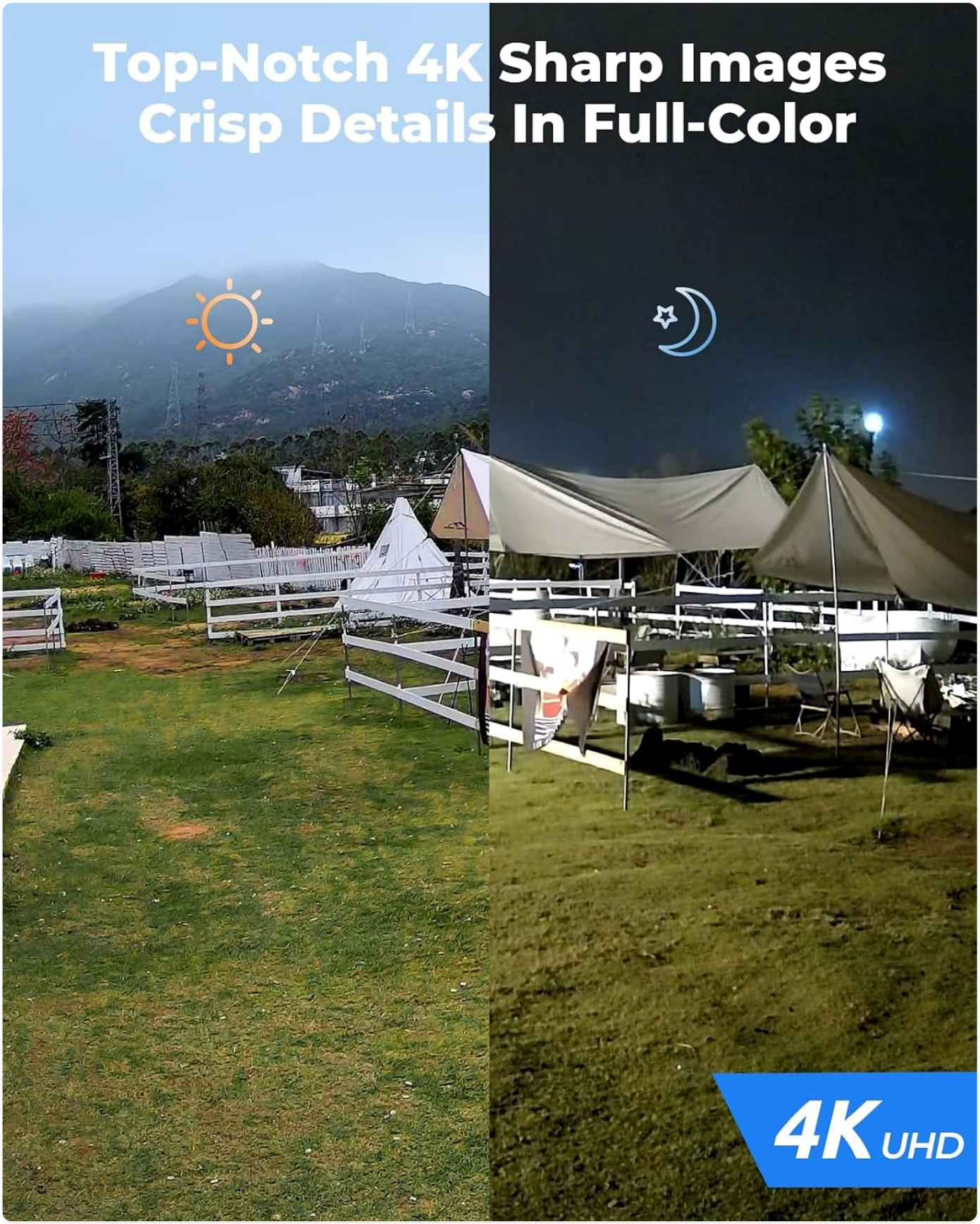


Image: Visual representation of the camera's smart detection feature, highlighting its ability to identify and track a pet in a yard.

Full-Color Night Vision with Spotlights

With built-in spotlights, the RLC-811A provides vivid full-color video even in complete darkness. This enhances visibility and detail compared to traditional black-and-white infrared night vision.

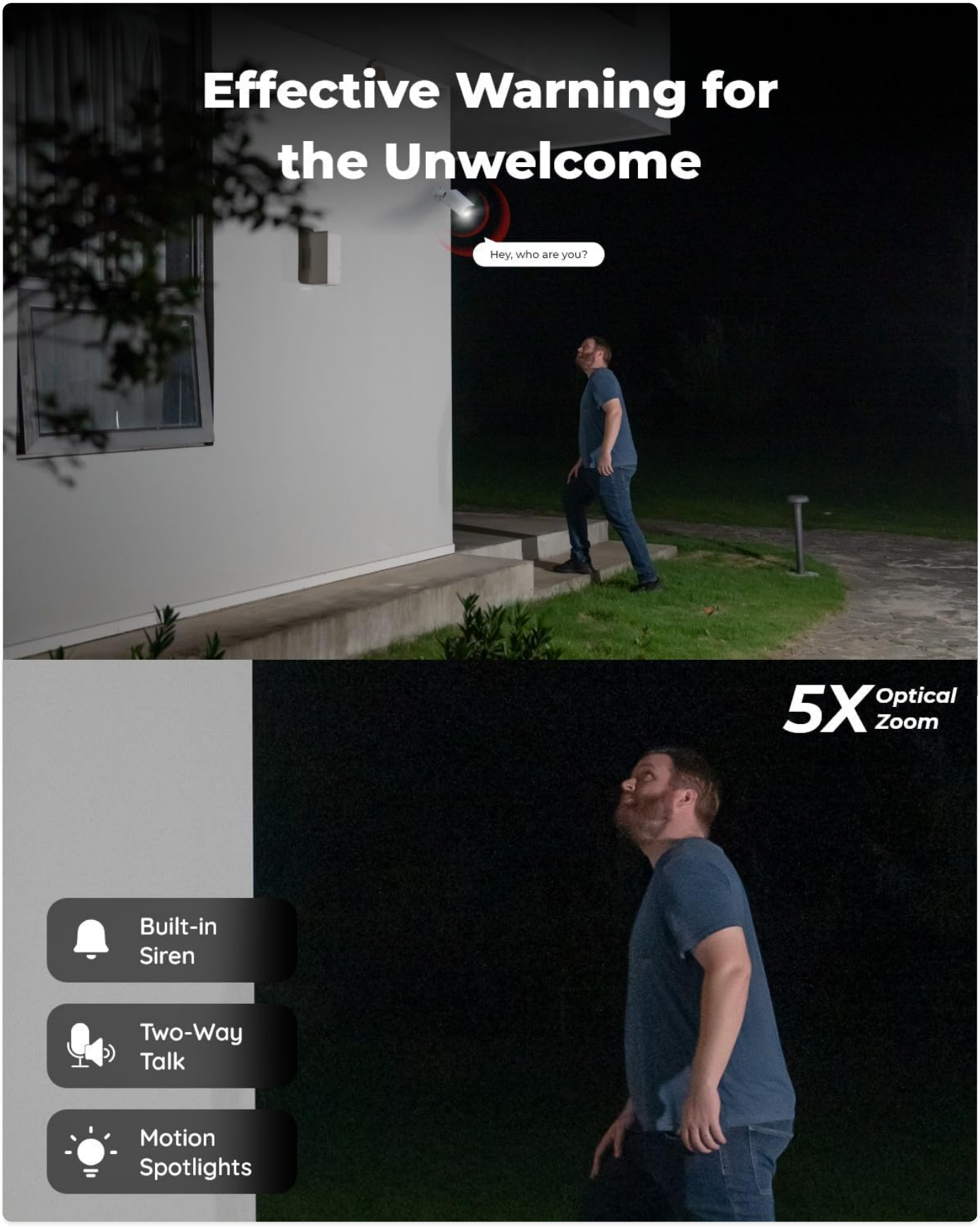


Image: Split view demonstrating the difference between daytime 4K video and full-color night vision provided by the REOLINK RLC-811A's spotlights.

Two-Way Talk

The integrated microphone and speaker allow you to listen in on what's happening and speak directly through the camera, enabling two-way communication with visitors or deterring unwanted guests.

Time-Lapse Videos

Capture long-term events like construction projects, changing weather patterns, or blooming flowers in a sped-up video format, allowing you to observe processes that unfold over hours or days in just minutes.

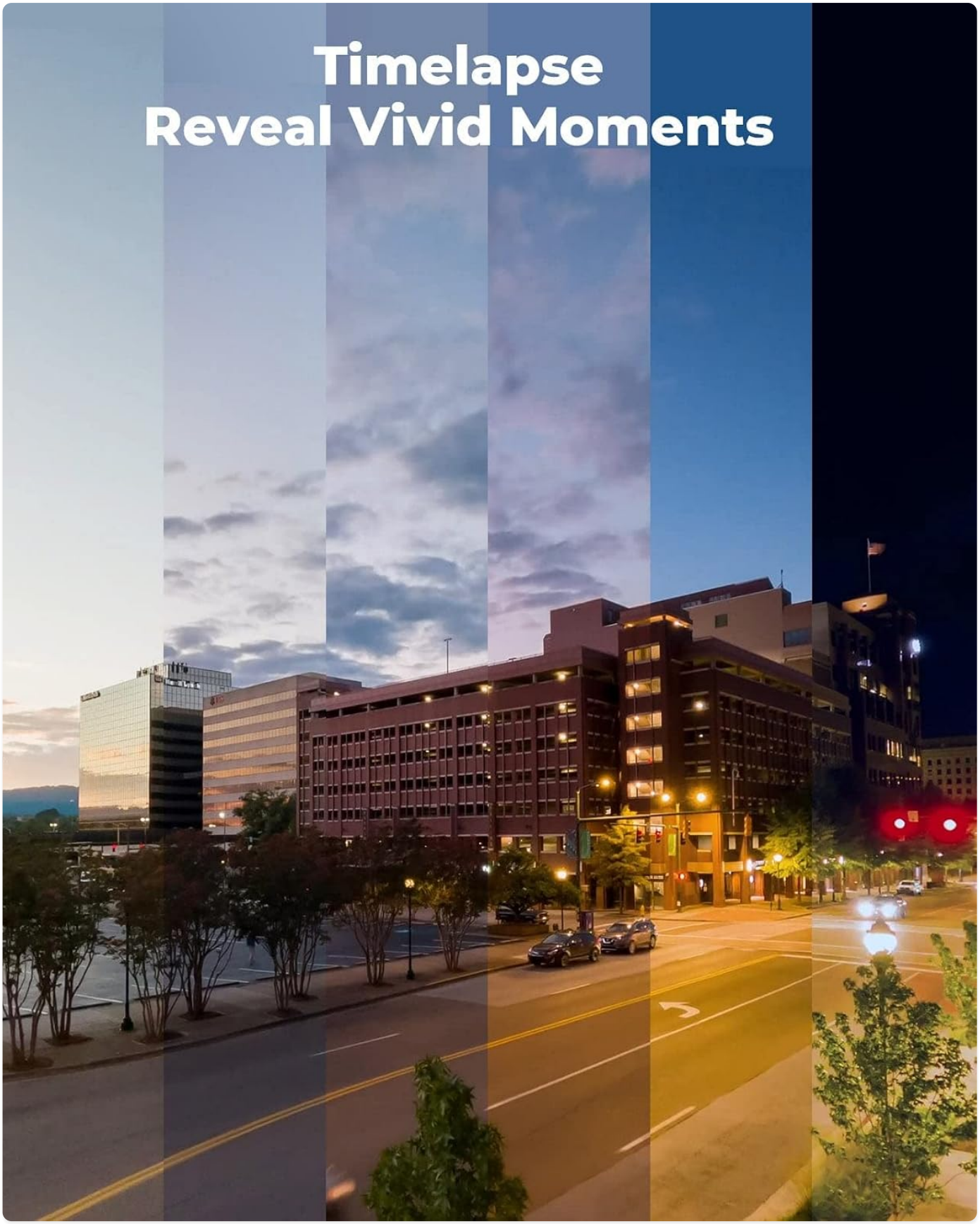


Image: A visual representation of the time-lapse feature, showing a city skyline transitioning from day to night in a series of sequential images.

Multiple Recording Options

Recordings can be saved to a microSD card (up to 256GB, not included), a Reolink NVR (Network Video Recorder), or an

FTP server. This provides flexible storage solutions without recurring subscription fees.

Smart Home Integration

The RLC-811A can integrate with smart home ecosystems, allowing you to view live feeds and control certain functions using voice commands or smart displays (e.g., Google Assistant compatible).

Installation Guidelines

Proper installation ensures optimal performance and longevity of your camera. Consider the following guidelines:

1. **Mounting Location:** Choose a strategic location that provides the desired viewing angle and coverage. The camera supports surface, ceiling, and wall mounting.
2. **Avoid Direct Sunlight:** Do not point the camera directly into strong sunlight, as this can cause overexposure and reduce image quality.
3. **Avoid Glass/Windows:** Do not place the camera facing directly through a glass window, as reflections can impair video clarity.
4. **Optimal Lighting:** Avoid areas that are too dim or too bright, as this can affect image sensor performance.
5. **Protect from Elements:** While weatherproof (IP66), avoid locations where raindrops or snow can directly hit the camera lens, which might obscure the view. Use the provided waterproof lid for cable connections.
6. **Secure Mounting:** Use the provided mounting template and screws to securely attach the camera to a stable surface. Adjust the viewing angle and tighten the bracket firmly.

Video: Official Reolink guide demonstrating the physical installation steps for the RLC-811A camera, including mounting and securing the device.

Maintenance

Regular maintenance ensures your camera operates effectively:

- **Clean Lens:** Periodically clean the camera lens with a soft, damp cloth to remove dust, dirt, or water spots that may affect image clarity.
- **Check Connections:** Ensure all cable connections, especially the PoE connection, are secure and free from damage.
- **Firmware Updates:** Check the Reolink App or website regularly for firmware updates. Keeping your camera's firmware up-to-date ensures optimal performance and security.
- **Inspect Housing:** Occasionally inspect the camera housing for any signs of wear or damage, especially after severe weather conditions.

Troubleshooting

Here are some common issues and their solutions:

- **No Power/No Video:** Ensure the Ethernet cable is securely connected to both the camera and the PoE device (NVR/switch/injector). Verify the PoE device is powered on.
- **Poor Image Quality:** Check the camera lens for dirt or obstructions. Ensure the camera is not pointed directly at

strong light sources or through glass. Adjust camera settings in the app if necessary.

- **Frequent False Alarms:** Adjust the detection sensitivity settings in the Reolink App. Utilize the smart detection feature to filter out non-human/vehicle movements. Define specific motion zones to monitor only relevant areas.
- **No Two-Way Audio:** Check the microphone and speaker settings in the app. Ensure there are no physical obstructions blocking the mic or speaker.
- **Network Connection Issues:** Verify your network connection is stable. Restart your router, PoE device, and camera. Ensure the camera's IP address is not conflicting with other devices on your network.

Specifications

Model Name	RLC-811A
Video Capture Resolution	4K (3840x2160)
Effective Still Resolution	8 MP
Zoom Type	5x Optical Zoom
Field Of View	123 Degrees
Night Vision Range	100 Feet
Low Light Technology	Night Color
Power Source	Power over Ethernet
Connectivity Protocol	Ethernet
Indoor/Outdoor Usage	Outdoor
International Protection Rating	IP66
Material	Aluminum
Item Dimensions L x W x H	11.42 x 4.72 x 5.51 inches
Item Weight	2.48 Pounds

Warranty and Support

REOLINK products typically come with a limited warranty. Please refer to the official REOLINK website or your purchase documentation for specific warranty terms and conditions.
For further assistance, technical support, or to access the latest user guides and FAQs, please visit the official REOLINK support page or contact their customer service directly.
You can also find additional resources and user guides here:Instructions for Use (PDF), User Guide (PDF), User Manual (PDF).

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question