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## REOLINK RLC-540A, RLN8-410

# REOLINK 5MP PoE Outdoor Security Cameras & 8CH NVR User Manual

Models: RLC-540A (Cameras), RLN8-410 (NVR)  
Brand: REOLINK

## 1. PRODUCT OVERVIEW

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This manual provides instructions for the REOLINK 5MP PoE Outdoor Security Camera system, which includes two RLC-540A cameras and one RLN8-410 4K 8-Channel PoE Network Video Recorder (NVR) with a pre-installed 2TB hard drive. This system is designed for comprehensive outdoor surveillance, offering high-resolution video, advanced detection capabilities, and robust construction.



Image 1.1: Overview of the REOLINK 5MP PoE Security Camera System, showing two dome cameras, the NVR unit, and a 2TB hard drive.

## 2. WHAT'S IN THE BOX

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- 2 x REOLINK RLC-540A 5MP PoE Outdoor Security Cameras
- 1 x REOLINK RLN8-410 4K 8-Channel PoE NVR (with pre-installed 2TB HDD)
- 2 x 1-meter Network Cables (for testing purposes)
- NVR Power Adapter
- USB Mouse
- HDMI Cable
- Mounting Screws and Anchors
- Waterproof Lid for Network Connector
- Quick Start Guide

## 3. KEY FEATURES

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- **5MP Super HD Resolution:** Capture clear and detailed images with 2592x1944 resolution.
- **Color Night Vision:** Equipped with warm spotlights to provide full-color video even in low-light conditions.
- **IK10 Vandal-Proof:** Robust construction designed to withstand impacts and protect against vandalism.
- **IP67 Weatherproof:** Certified for outdoor use, resistant to dust and water ingress.
- **Smart Detection:** Advanced technology for accurate detection of persons, vehicles, and animals, reducing false alarms.
- **Power over Ethernet (PoE):** Simplifies installation by delivering power and data through a single Ethernet cable.
- **2TB Pre-installed HDD:** Provides ample storage for continuous 24/7 recording.
- **Expandable Storage:** Supports up to 6TB external hard drive for extended recording capacity.

- **Remote Access:** Monitor your property from anywhere using the Reolink App or Client software.
- **Two-Way Audio:** (Implied by '2-way audio' icon in smart detection image) Communicate directly through the camera.

# 125° Detailed Coverage, All Details in 5MP Super HD



5MP Super HD



125° Diagonal



2.8mm Lens



Image 3.1: Illustration of the camera's 125-degree diagonal field of view, providing detailed coverage in 5MP Super HD.

# Reliable Guardian in All Situations



IK10 Vandalproof



IP67 Weatherproof



# IP67

Image 3.2: Close-up of the RLC-540A camera, highlighting its IK10 vandal-proof and IP67 weatherproof design for reliable outdoor use.

# Color Night Vision

Capture True-to-Life Details at Night



Spotlight Off

Spotlight On



**3000K**  
Warm Light

Image 3.3: Comparison showing standard night vision (left) versus color night vision with 3000K warm light (right), capturing true-to-life details at night.

# Smart Person/Vehicle/Animal Detection & Instant Alerts

  
2-way audio

  
Push

  
Email



Alarm

[NOW]

Person is detected from Front Door Camera.

Image 3.4: Depiction of smart detection capabilities, identifying persons, vehicles, and animals, triggering instant alerts via push notifications and email.

## 4. SETUP AND INSTALLATION

### 4.1 Connection Methods

The RLC-540A cameras support Power over Ethernet (PoE) for simplified installation. Alternatively, they can be powered via a DC 12V power adapter (not included).

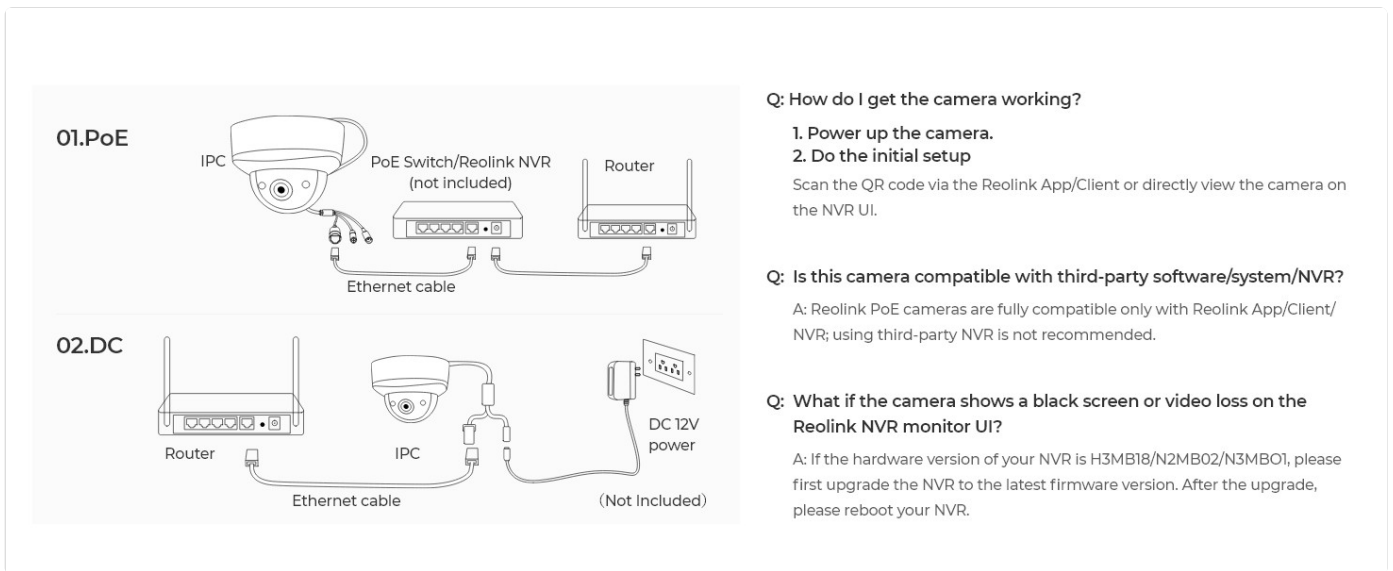


Image 4.1: Diagrams illustrating two connection methods: **01. PoE**, where the camera connects to a PoE Switch/Reolink NVR (not included) or router via an Ethernet cable for both power and data; and **02. DC**, where the camera connects to a router via an Ethernet cable and is powered by a DC 12V adapter (not included).

## 4.2 Initial Setup Steps

1. **Power up the camera:** Connect the camera using either the PoE or DC method as shown above.
2. **Perform the initial setup:** Scan the QR code on the camera via the Reolink App/Client or directly view the camera on the NVR UI to complete the setup process.



Image 4.2: Visual representation of an easy PoE connection, demonstrating how a single Ethernet cable provides both power and network connectivity to the camera from the NVR.

## 5. OPERATING THE SYSTEM

### 5.1 Video Recording and Storage

The RLN8-410 NVR comes with a 2TB hard drive pre-installed, supporting 24/7 continuous recording. The storage capacity can be expanded up to 6TB with an external HDD.

# Expandable Capacity

## Worry-Free Backup



### How Long Can the HDD Records in 24/7\*

Total Recording Channels	ONE	Four	Eight
2TB HDD/Days	32	8	4

\*Based on 6144 kbps Bitrate

Image 5.1: Illustration of the NVR's expandable storage, featuring a pre-installed 2TB HDD and support for up to 6TB external HDD. A table indicates recording duration based on the number of active channels.

## 5.2 Remote Access and Management

Access your camera feeds and NVR settings remotely using the Reolink App on your smartphone or the Reolink Client software on your computer.

# Remote Access

## Anytime, Anywhere

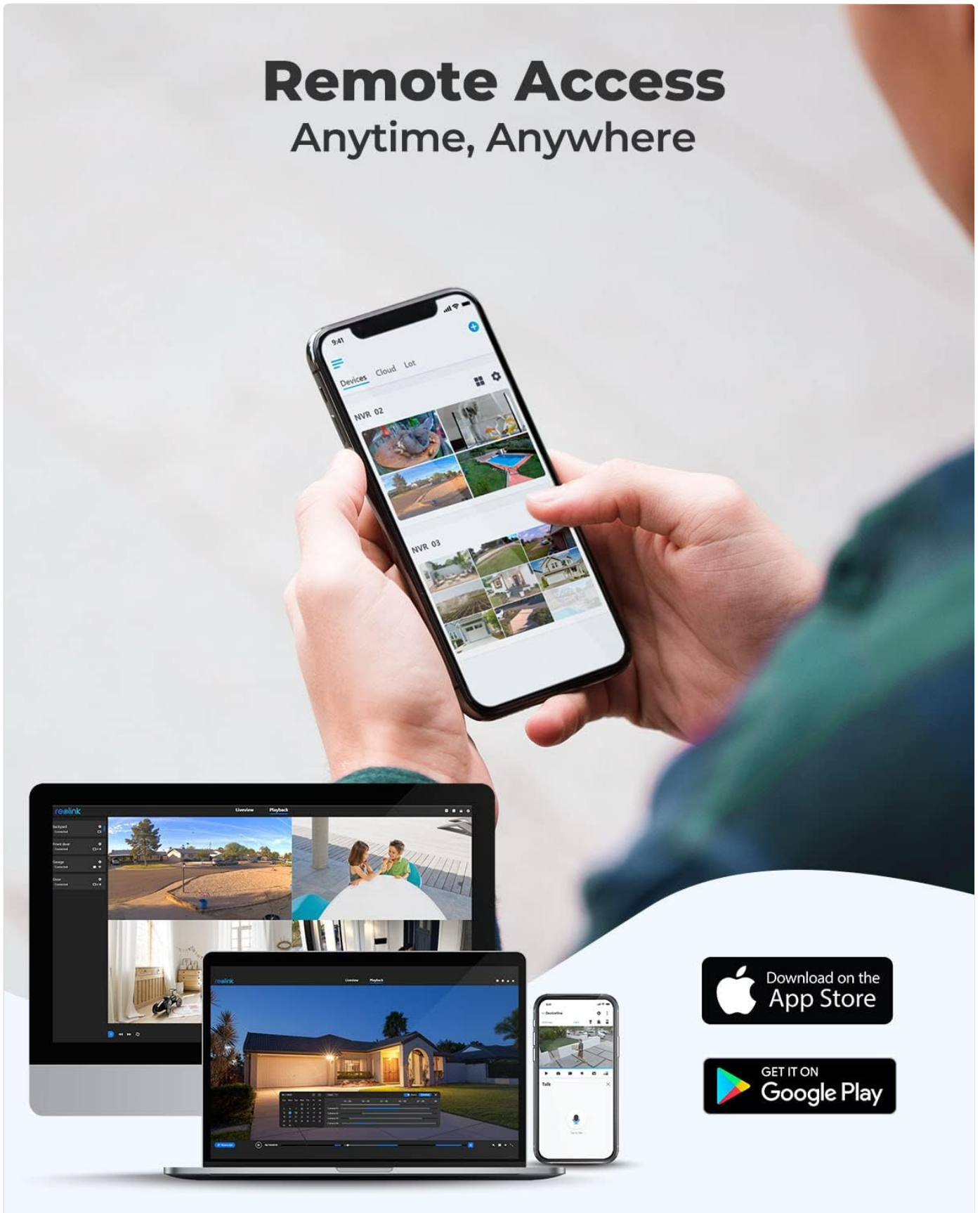


Image 5.2: Depiction of remote access capabilities, showing live camera feeds on a smartphone, computer monitor, and laptop, accessible anytime, anywhere.

### 5.3 Smart Detection and Alerts

Configure smart detection settings to receive instant alerts for person, vehicle, or animal detection, minimizing irrelevant notifications.

### 5.4 Two-Way Talk

Utilize the two-way audio feature to listen in and speak through the camera, enabling direct communication with visitors or deterring intruders.

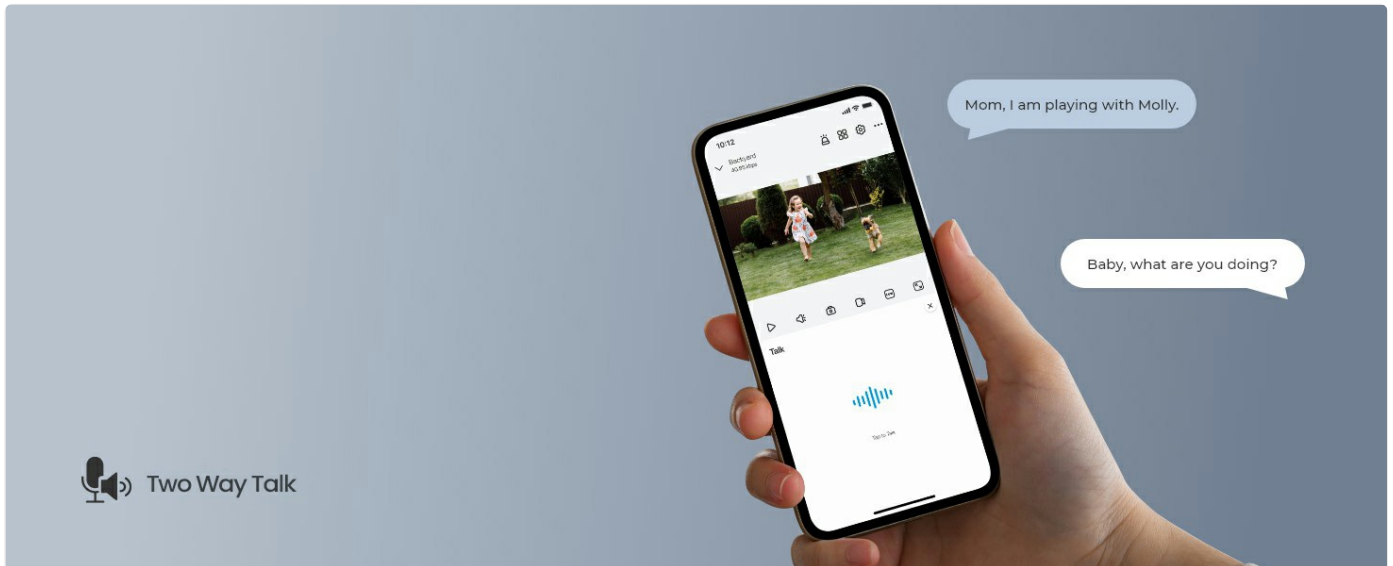


Image 5.3: A hand holding a smartphone displaying the Reolink app interface with a two-way talk function, showing a person speaking through the camera.

## 6. MAINTENANCE

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

### 6.1 Cleaning

- Periodically clean the camera lens with a soft, damp cloth to remove dust and smudges that may affect image quality.
- Ensure the NVR unit is free from dust accumulation, especially around ventilation areas, to prevent overheating.

### 6.2 Firmware Updates

- Check the official Reolink website or the Reolink App/Client regularly for firmware updates.
- Updating firmware can improve system stability, add new features, and enhance security.

## 7. TROUBLESHOOTING

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### Q: How do I get the camera working?

A: Follow the initial setup steps outlined in Section 4.2: Power up the camera and perform the initial setup via the Reolink App/Client or NVR UI.

### Q: Is this camera compatible with third-party software/system/NVR?

A: Reolink PoE cameras are fully compatible only with the Reolink App/Client/NVR. Using third-party NVRs is not recommended to ensure full functionality and compatibility.

### Q: What if the camera shows a black screen or video loss on the Reolink NVR monitor UI?

A: If the hardware version of your NVR is H3MB18/N2MB02/N3MB01, please first upgrade the NVR to the latest firmware version. After the upgrade, please reboot your NVR.

## 8. SPECIFICATIONS

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Feature	Specification
Video Capture Resolution	2592x1944 (5MP), 4K (NVR)
Color	Black or Gray
Number of Channels (NVR)	8
Frame Rate	15fps, 20fps, 25fps
Low Light Technology	Night Color
Connectivity Technology	Wired (PoE)
Special Feature	Night Vision, Smart Detection (Person/Vehicle/Animal), IK10 Vandal-Proof, IP67 Weatherproof
Compatible Devices	Reolink Cameras
Power Source	Corded Electric (via PoE or DC 12V adapter)
Internal Storage	2TB HDD (pre-installed)
External Storage	Up to 6TB External HDD

## 9. WARRANTY AND SUPPORT

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REOLINK provides a **2-year warranty** for this product, directly from the manufacturer. Additionally, customers benefit from **lifetime technical support**. For assistance, please visit the official Reolink support website or contact their customer service.