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REOLINK OMVI 3i PoE

REOLINK OMVI 3i PoE Triple-Lens Security Camera User Manual

Model: OMVI 3i PoE | Brand: REOLINK

Introduction

This manual provides instructions for the installation, operation, and maintenance of your REOLINK OMVI 3i PoE Triple-Lens Security Camera. This camera features a 10MP 180° panoramic view, 4K Pan-Tilt (PT) capabilities, AI video search, 24/7 recording, perimeter protection, color and IR night vision, and smart detection for comprehensive surveillance.

1. Setup

1.1 What's in the Box

The package includes:

- REOLINK OMVI 3i PoE Triple-Lens Security Camera x 1
- Mounting Base
- Mounting Screws
- Network Cable
- Power Cable
- Quick Start Guide (not included in this digital manual)

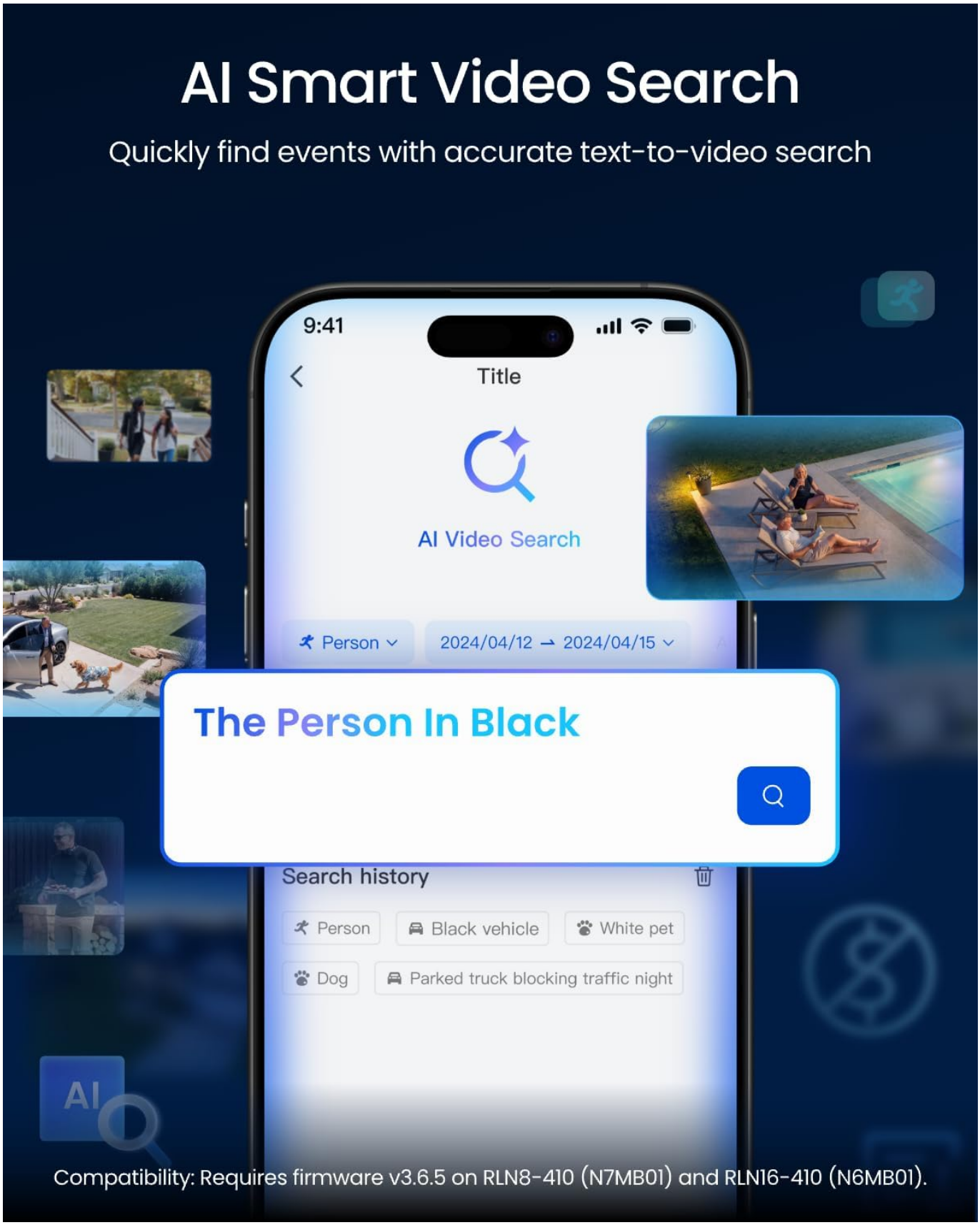


Figure 1: Camera Components and Included Accessories

1.2 System Requirements

- **NVR Firmware:** Ensure your Reolink NVR firmware is updated to version 3.6.4 or later for full dual-lens and PTZ camera view functionality.
- **Reolink Client:** Use Reolink client (Windows: v8.21 or later, Mac: v8.21 or later) for dual-screen display when connected to Reolink NVR/Home Hub/Home Hub Pro.

1.3 Physical Installation

The OMVI 3i PoE camera utilizes Power over Ethernet (PoE) technology, allowing both power and data transmission through a single Ethernet cable. This simplifies installation and ensures stable connectivity.

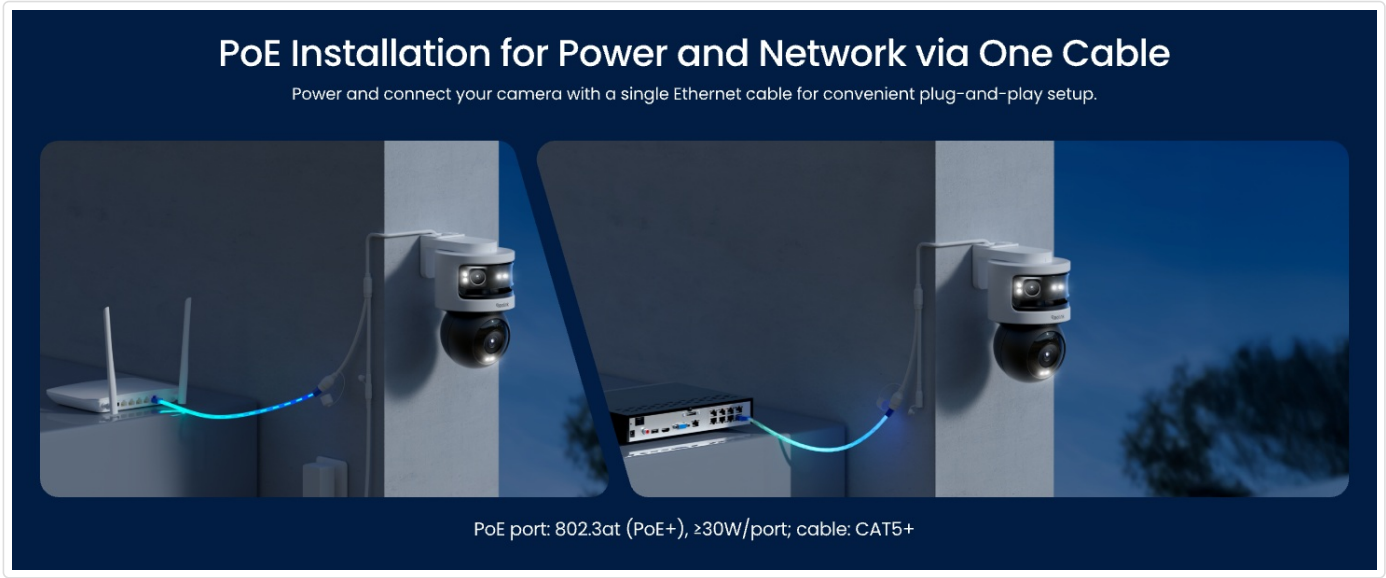


Figure 2: Easy PoE Setup

Mounting Options: The camera supports flexible installation for optimal coverage.

- **Wall Mount:** Point the camera straight ahead, centering on your monitored area. Avoid angling it too far to either side to prevent glare.
- **Ceiling Mount:** Place the camera near the edges to reduce ceiling reflections and blind spots.

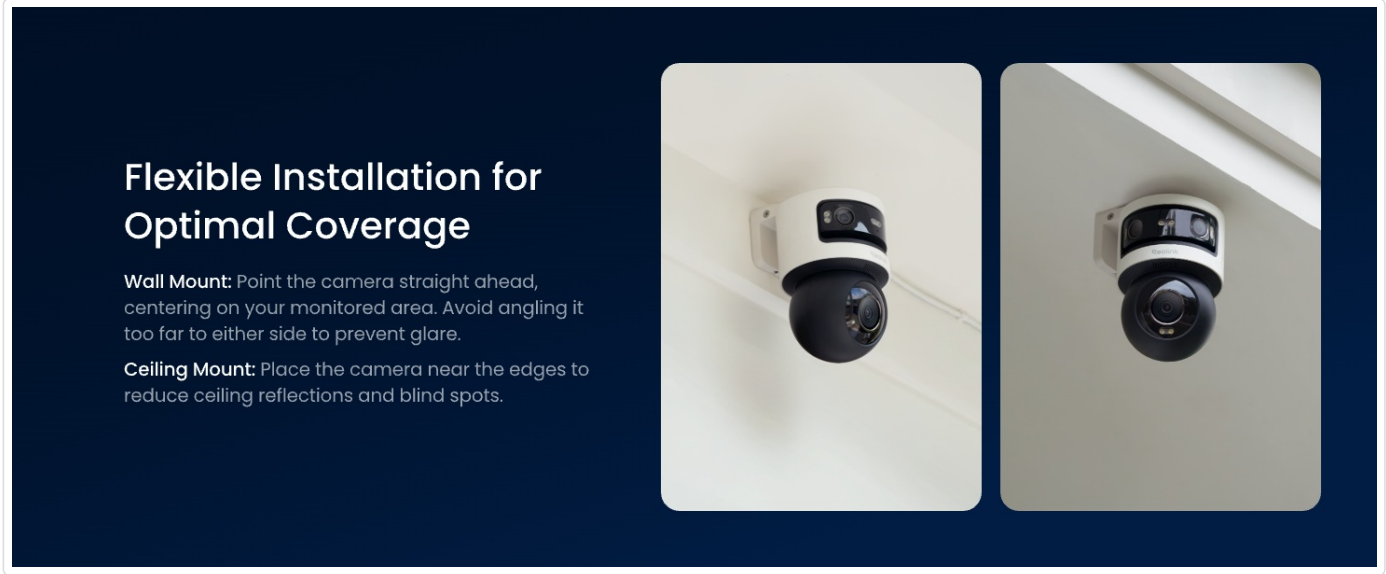


Figure 3: Flexible Installation for Optimal Coverage

For a visual guide on unboxing and initial setup, refer to the video below:

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Video 1: REOLINK OMVI 3i PoE Security Camera Unboxing and Overview. This video demonstrates the unboxing process and provides a general overview of the camera's features and components.

1.4 Initial Configuration

After physical installation and power connection:

1. Turn on the camera.
2. Complete the initial setup by scanning the QR code with the Reolink app or accessing the camera directly via the NVR interface.
3. In the Reolink app/client, navigate to**Network** > **Advanced** > **Server Settings**. Enable the **RTSP** and **ONVIF** checkboxes and save the settings. This is necessary for compatibility with third-party systems like Blue Iris.

2. Operating the Camera

2.1 Triple-Lens Coverage

The camera features a total 18MP triple-lens system:

- **10MP Dual-Lens Panoramic Camera:** Provides a 180° wide view for comprehensive area monitoring.
- **8MP PT Camera:** Offers 4K resolution with 350° pan and 50° tilt capabilities for zoomed-in detail and tracking.

This dual-screen display ensures full coverage without blind spots. Note that dual-lens cameras may require manual adjustment.



Figure 4: Triple-Lens Coverage Overview

2.2 SyncTrack & Auto Tracking

When motion is detected by the panoramic camera, the PT camera automatically locks onto and tracks the moving object. The dual-screen view maintains full coverage, even if the target moves out of the panoramic field. Close-up tracking provides additional detail by zooming in automatically.



Figure 5: SyncTrack and Auto Tracking in Action

2.3 Smart AI Detection & Perimeter Protection

The camera features advanced AI detection to accurately identify people, vehicles, and animals, reducing false alerts. You can set custom virtual fences or intrusion zones to receive instant alerts when threats approach your property. Non-motion zones can be configured to further minimize false alarms.

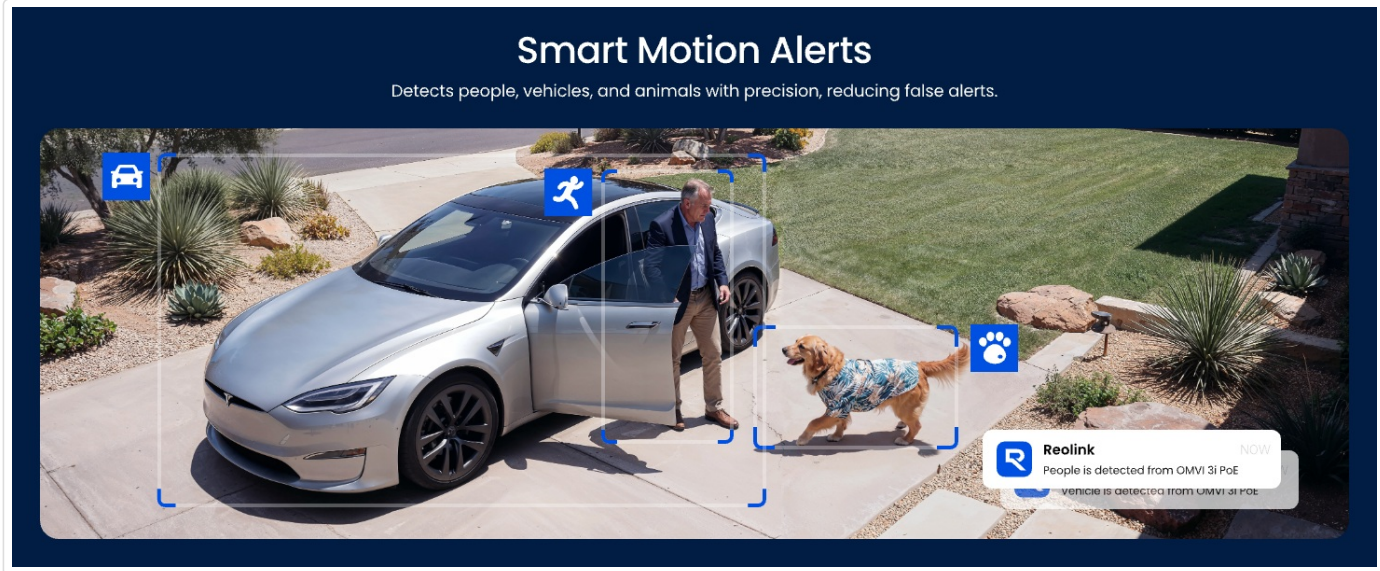


Figure 6: Smart AI Detection



Figure 7: Custom Detection Zones

2.4 Night Vision

The camera offers multi-scenario night vision, allowing automatic switching between full-color night vision (using white light) and IR LED mode. Motion-triggered white light, combined with alarms, can deter intruders effectively. 24/7 recording ensures continuous protection.

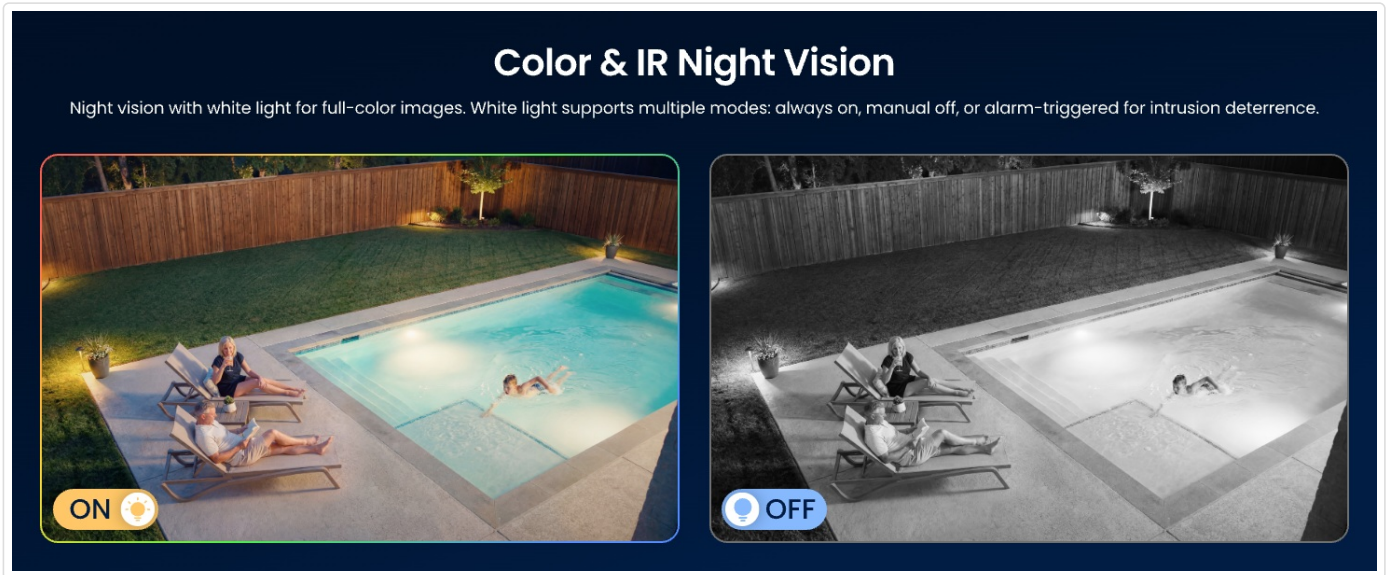


Figure 8: Color and IR Night Vision

2.5 Two-Way Communication

Utilize the built-in microphone and speaker system for two-way communication. This allows you to speak directly to visitors or deter potential intruders.



Figure 9: Two-Way Communication

2.6 AI Video Search

The Reolink app allows you to quickly find specific events by typing descriptions such as "person in blue," "carrying package," or "red pickup." This feature requires firmware v3.6.5 on RLN8-410 (N7MB01) and RLN16-410 (N6MB01) NVRs.

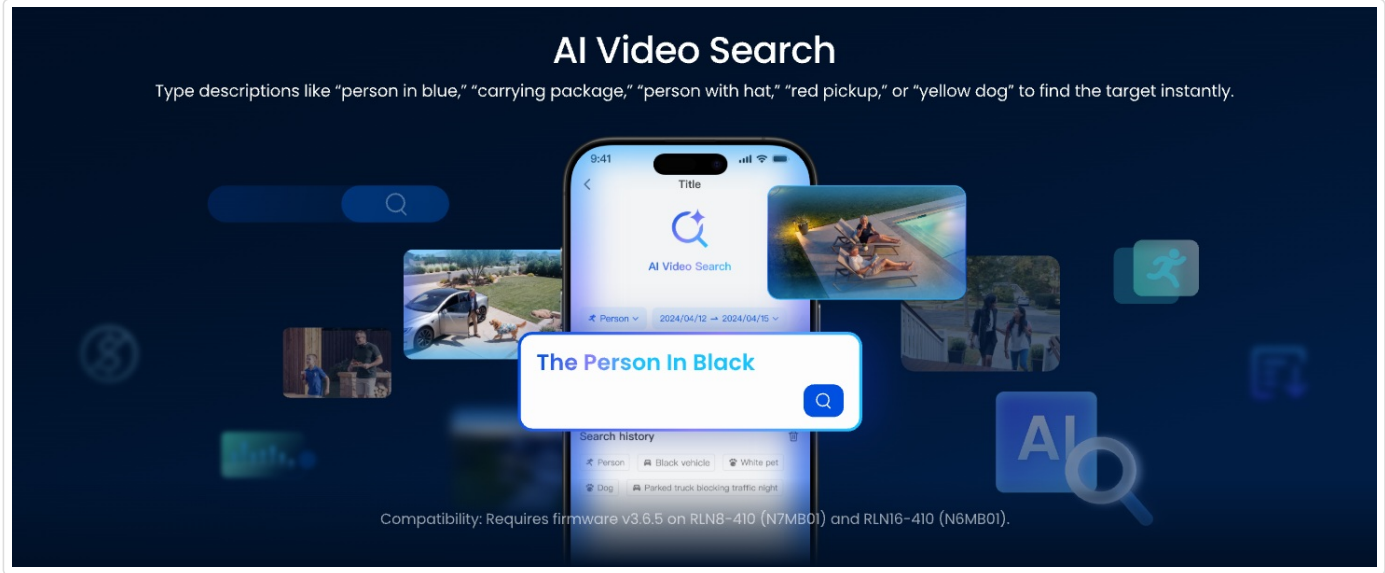


Figure 10: AI Video Search Interface

2.7 Custom Presets

Set up to 64 custom preset points to instantly focus on key areas with one tap. After manually checking specific spots, the camera automatically returns to its Home Point, ensuring critical areas remain monitored.

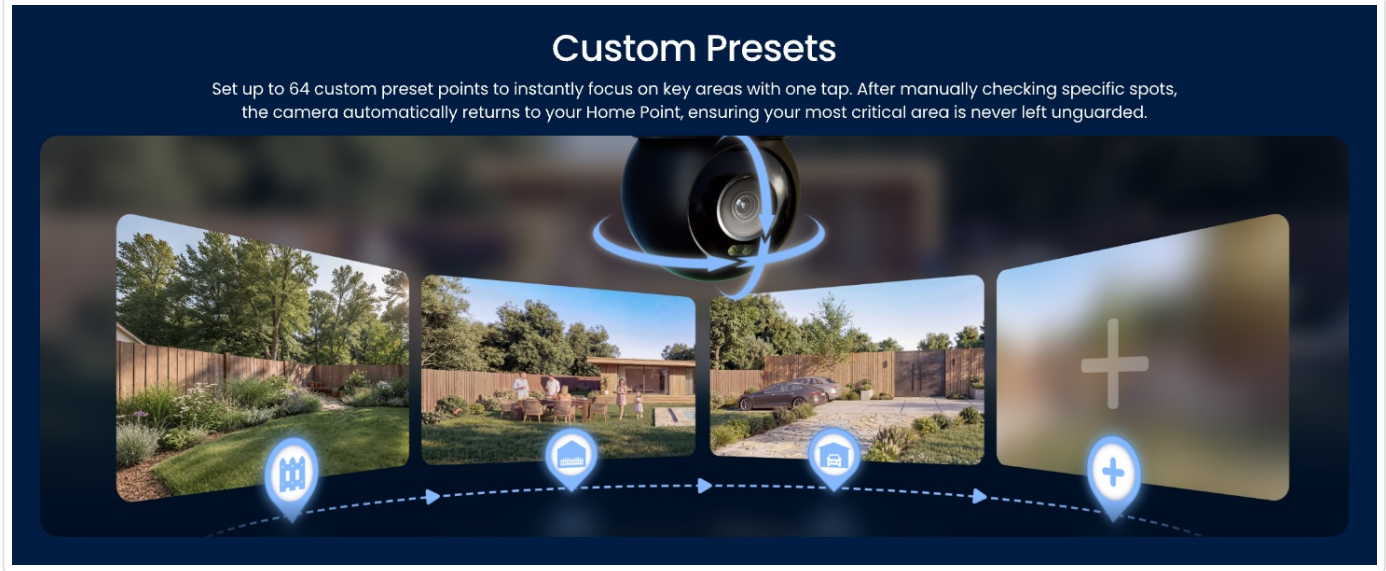


Figure 11: Custom Presets

2.8 Storage Methods

The camera supports various storage methods for 24/7 continuous recording:

- **microSD Card:** Supports up to 512GB (card not included).
- **Reolink NVR:** Compatible with Reolink Network Video Recorders.
- **FTP or NAS:** Recordings can be stored on FTP or Network Attached Storage servers.

The camera uses H.264/H.265 high-efficiency video compression encoding to save storage space while maintaining video quality.

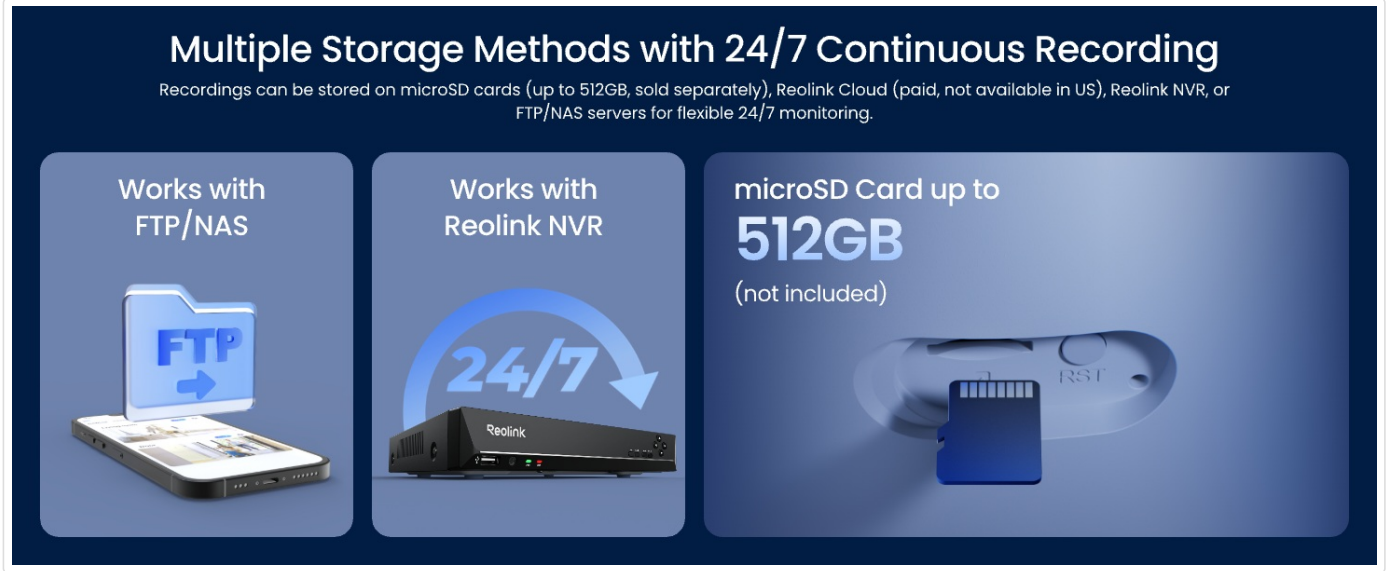


Figure 12: Multiple Storage Methods

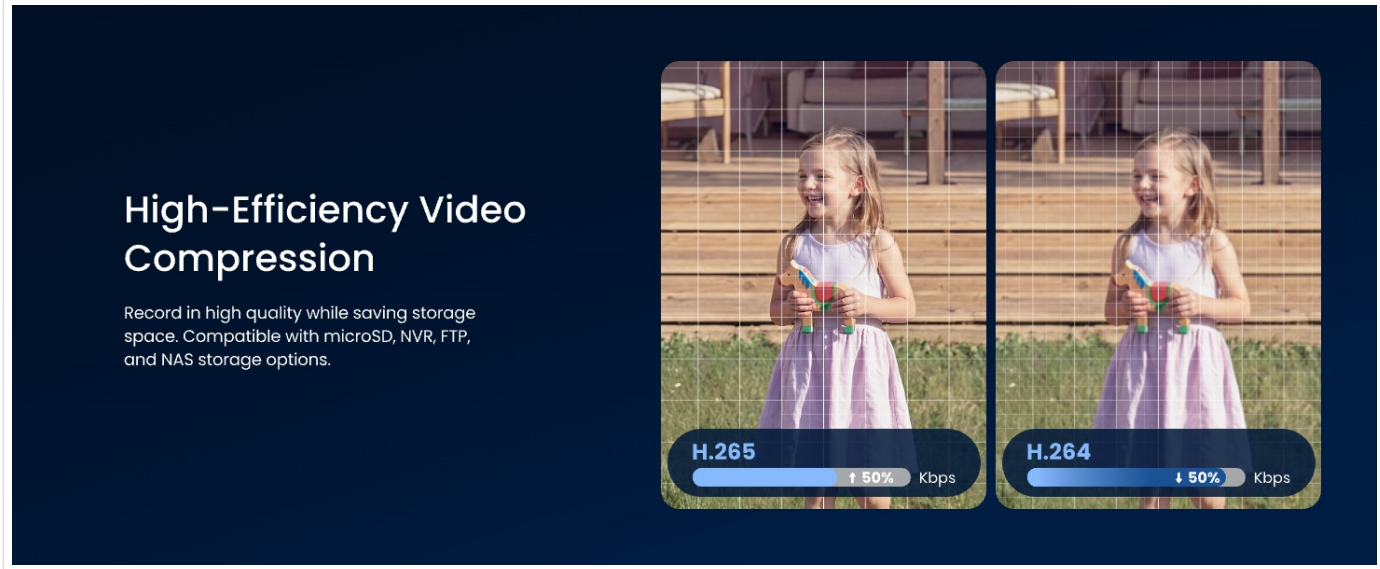


Figure 13: High-Efficiency Video Compression

2.9 Access Anywhere, Anytime

View your camera feed from the Reolink App, PC client, or NVR. Share access with multiple users for convenient, real-time monitoring. The system supports 12 online streams and 20 user accounts.

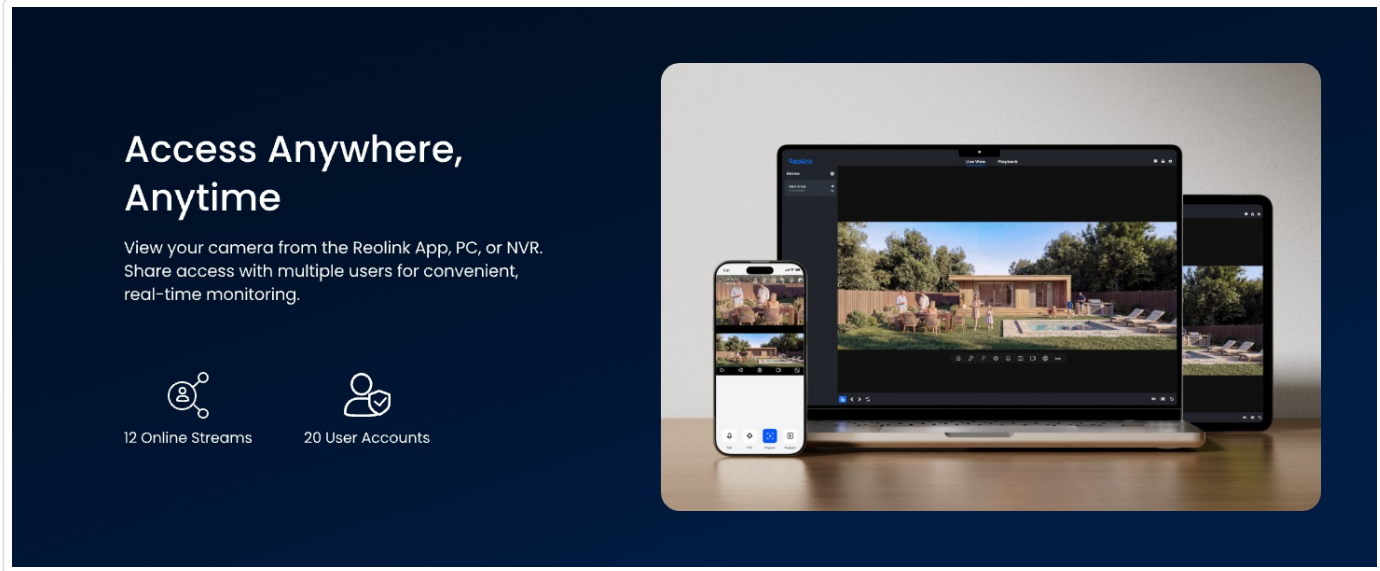


Figure 14: Multi-Platform Access

For a demonstration of the camera's outdoor performance and features, refer to the video below:

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Video 2: REOLINK OMVI 3i PoE Security Camera Outdoor Features. This video showcases the camera's performance in an outdoor setting, highlighting its detection and tracking capabilities.

3. Maintenance

3.1 Weather Protection

The REOLINK OMVI 3i PoE camera has an IP66 rating, indicating it is built to withstand rain, dust, and harsh outdoor conditions, ensuring reliable performance all year round.



Figure 15: IP66 Weather Protection

3.2 Firmware Updates

Regularly check for and install firmware updates for both your camera and your Reolink NVR. Updates ensure optimal performance, introduce new features, and address potential issues. Refer to the Reolink official website or app for the latest firmware versions.

3.3 Storage Management

Periodically review and manage your recorded footage. If using a microSD card, ensure it has sufficient space or is configured for continuous overwrite. For NVR, FTP, or NAS storage, monitor storage capacity and backup important recordings as needed.

3.4 Time-Lapse Function

The camera supports a time-lapse function, allowing you to create condensed videos from long periods of recording. This is useful for reviewing events or changes over time.

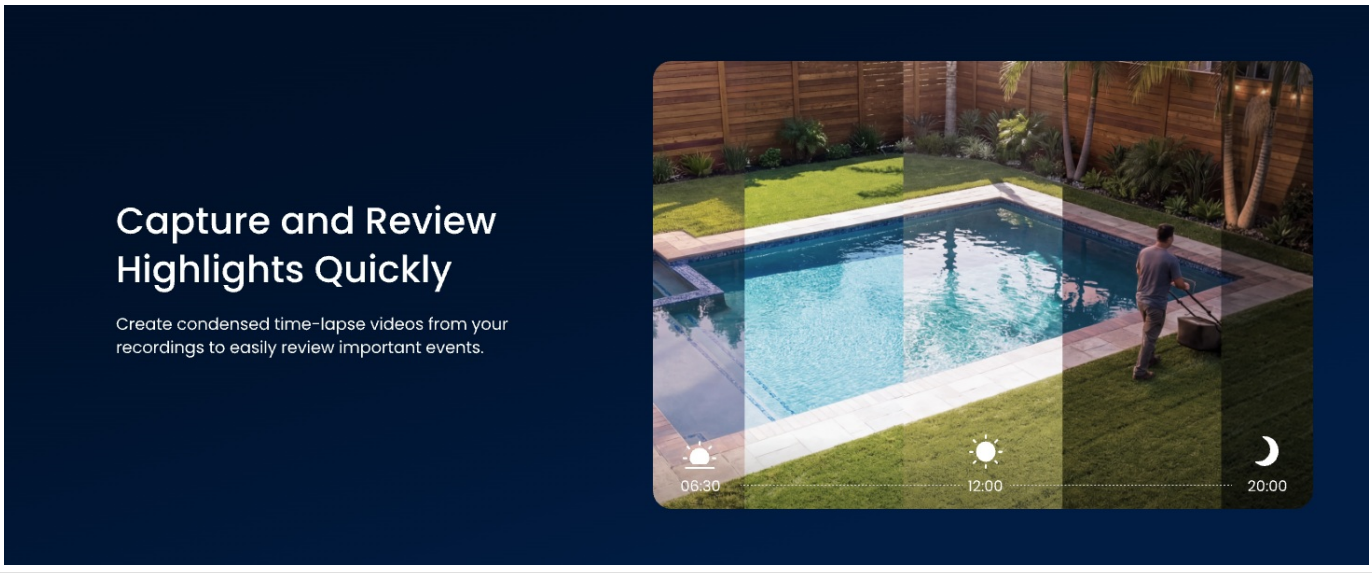


Figure 16: Time-Lapse Feature

4. Troubleshooting

4.1 NVR Compatibility Issues

If you are experiencing issues with dual-lens or PTZ camera views on your NVR, ensure your Reolink NVR firmware is updated to version 3.6.4 or later. Earlier versions may only display dual-lens footage without the PTZ view.

4.2 Reolink Client Display Issues

For proper dual-screen display when connected to a Reolink NVR/Home Hub/Home Hub Pro, ensure your Reolink client software (Windows: v8.21 or later, Mac: v8.21 or later) is up to date.

4.3 Connectivity and Lag

If the camera experiences lag or connectivity issues:

- Verify the Ethernet cable connection. Ensure it is a CAT5+ cable and properly seated.
- Confirm your PoE switch or injector provides sufficient power (802.3at PoE+, ≥30W/port).
- Check your network settings in the Reolink app/client. Ensure RTSP and ONVIF are enabled if using third-party software.
- If using with Blue Iris or similar software, review the camera's video settings, particularly the receive buffer size, as incorrect settings can cause lag.

4.4 General Tips

- Restart the camera and any connected network devices (router, NVR).
- Ensure the camera's lens is clean and free from obstructions.
- Check the power source to ensure stable power delivery.

5. Specifications

Feature	Detail
Model Name	Reolink OMVI 3i PoE
Recommended Uses	Outdoor Security, Surveillance
Connectivity Technology	Ethernet (PoE), No WiFi Support
Video Capture Resolution	4K
Frame Rate	20 frames per second
Viewing Angle	180 degrees (Panoramic Lens)
Pan/Tilt Range	350° Pan, 50° Tilt (PT Lens)
Night Vision	Color Night Vision, IR Night Vision (30 meters range)

Feature	Detail
Special Features	Night Vision, Time-Lapse, AI Detection (People, Vehicles, Animals), Auto Tracking, Perimeter Protection, Two-Way Talk
Storage Options	microSD card (up to 512GB, not included), Reolink NVR, FTP, NAS
Video Compression	H.264/H.265
Indoor/Outdoor Usage	Outdoor
Waterproof Rating	IP66
Enclosure Material	Metal
Power Source	Corded Electric (PoE)
Controller Type	REOLINK APP
Item Dimensions	9.57 x 6.3 x 7.09 inches

6. Warranty

The REOLINK OMVI 3i PoE Triple-Lens Security Camera comes with a**2-year manufacturer warranty**.

7. Support

For further assistance, detailed guides, or to download the latest software and firmware, please refer to the official Reolink website or contact Reolink customer support. You can also find helpful resources within the Reolink App and PC client.
Reolink Official Website: reolink.com

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