REOLINK RLK8-800V4

REOLINK 4K Security Camera System User Manual

Brand: REOLINK | **Model:** RLK8-800V4

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your REOLINK 4K Security Camera System (Model: RLK8-800V4). This system includes four 4K UHD IK10 Vandalproof PoE Surveillance Cameras and an 8-channel NVR with a 2TB HDD. It features color night vision, smart detection capabilities, two-way talk, and IP67 weatherproof design, ensuring robust and reliable security for your property.

Figure 1.1: Overview of the REOLINK RLK8-800V4 Security Camera System components.

2. WHAT'S IN THE BOX

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

- RLN8-410 NVR (1 unit)

- V800 Cameras (4 units)
- NVR Power Adapter (1 unit)
- HDMI Cable (1 unit)
- USB Mouse (1 unit)
- 1m Network Cable (1 unit)
- 18m Network Cables (4 units)

3. PRODUCT FEATURES

The REOLINK RLK8-800V4 system offers advanced features for comprehensive surveillance:

3.1 Ultra Clarity & Wide Viewing Angle

Experience astonishing 4K Ultra HD visuals. The 2.8mm lens provides exceptional clarity and a broad field of view, spanning 105° horizontally and 56° vertically, allowing you to see more and clearer details.

Figure 3.1: Wide 4K UHD panoramic view captured by the camera.

3.2 IR Night Vision & Color Night Vision

Equipped with two infrared LED lights, the camera extends night vision capabilities up to 30 meters (100 ft). Additionally, two built-in 3000K warm lights provide adjustable brightness for clear vision in both black and white infrared mode and vivid color night vision, regardless of lighting conditions.

Figure 3.2: Demonstration of color and infrared night vision capabilities.

3.3 Upgraded Design: IK10 Vandal Resistance & IP67 Weatherproof

This metal-armored camera features IK10 vandal resistance, built to withstand impacts and extreme weather conditions. The IP67 rating ensures protection against dust and water immersion. The new swivel bracket allows for easy manual adjustments to achieve the perfect angle (note: no Pan & Tilt functionality).

Figure 3.3: Camera's robust IK10 vandal-resistant construction.

3.4 Smart Detection

The PoE security camera system intelligently detects movements from people, vehicles, and animals. It sends alerts (app push, email, NVR buzzer) only when genuine threats are identified, reducing false alarms. All recordings are securely uploaded to FTP, and filtering options simplify footage retrieval.

Figure 3.4: Smart detection capabilities for people, vehicles, and animals.

3.5 24/7 Recording with Built-in 2TB HDD

The NVR comes with a built-in 2TB HDD, providing ample storage for continuous 24/7 recording. The system supports expansion up to 16TB for extended recording periods.
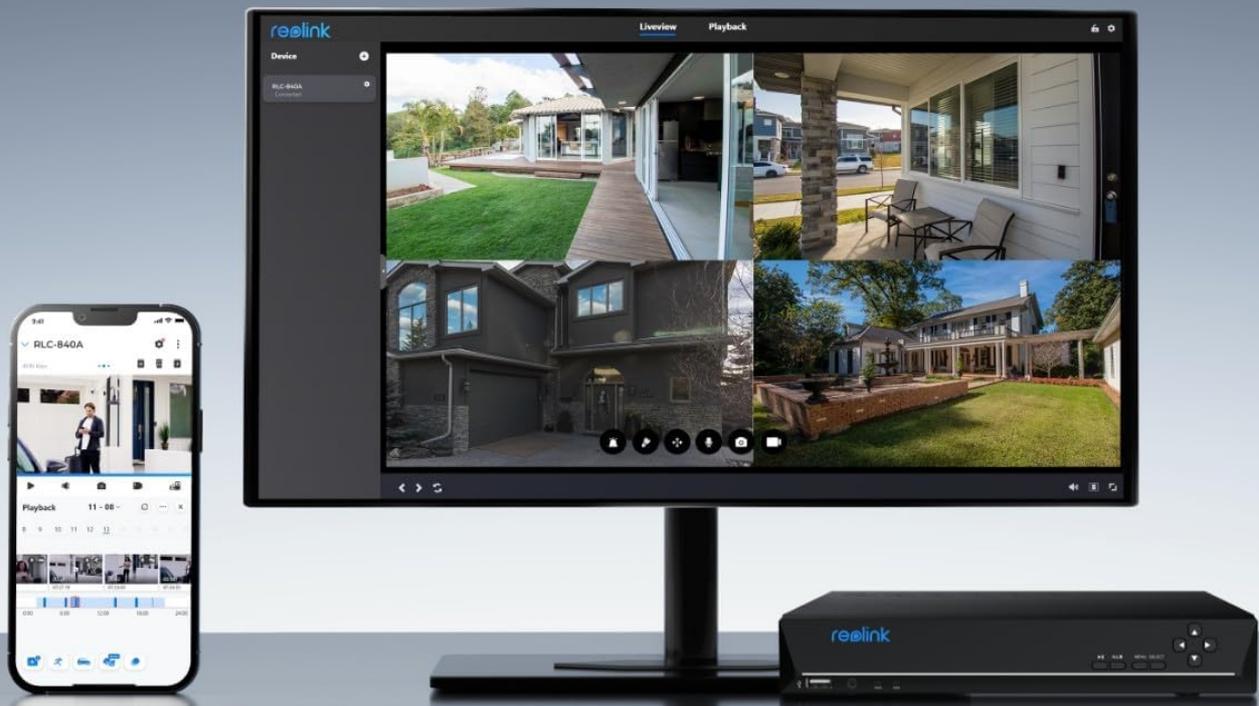
Figure 3.5: Continuous 24/7 recording and remote viewing options.

3.6 Deterrents Against Intruders & 2-Way Talk

The system provides multiple warning options for security, including siren, app push notifications, email alerts, and NVR buzzer. The cameras also support two-way talk, allowing you to communicate with visitors or deter intruders directly through the camera.

Figure 3.6: Security alerts and deterrent actions.

4. SETUP

Setting up your REOLINK 4K Security Camera System is designed to be straightforward with Power over Ethernet (PoE) technology.

4.1 Easy PoE Connection

Enjoy effortless installation with a single PoE network cable that provides both power and network connectivity to each

camera. This simplifies wiring and allows for flexible camera placement. The system is compatible with Reolink PoE cameras and Reolink WiFi wired cameras (not battery-powered), allowing you to expand your security system with up to 12 cameras.
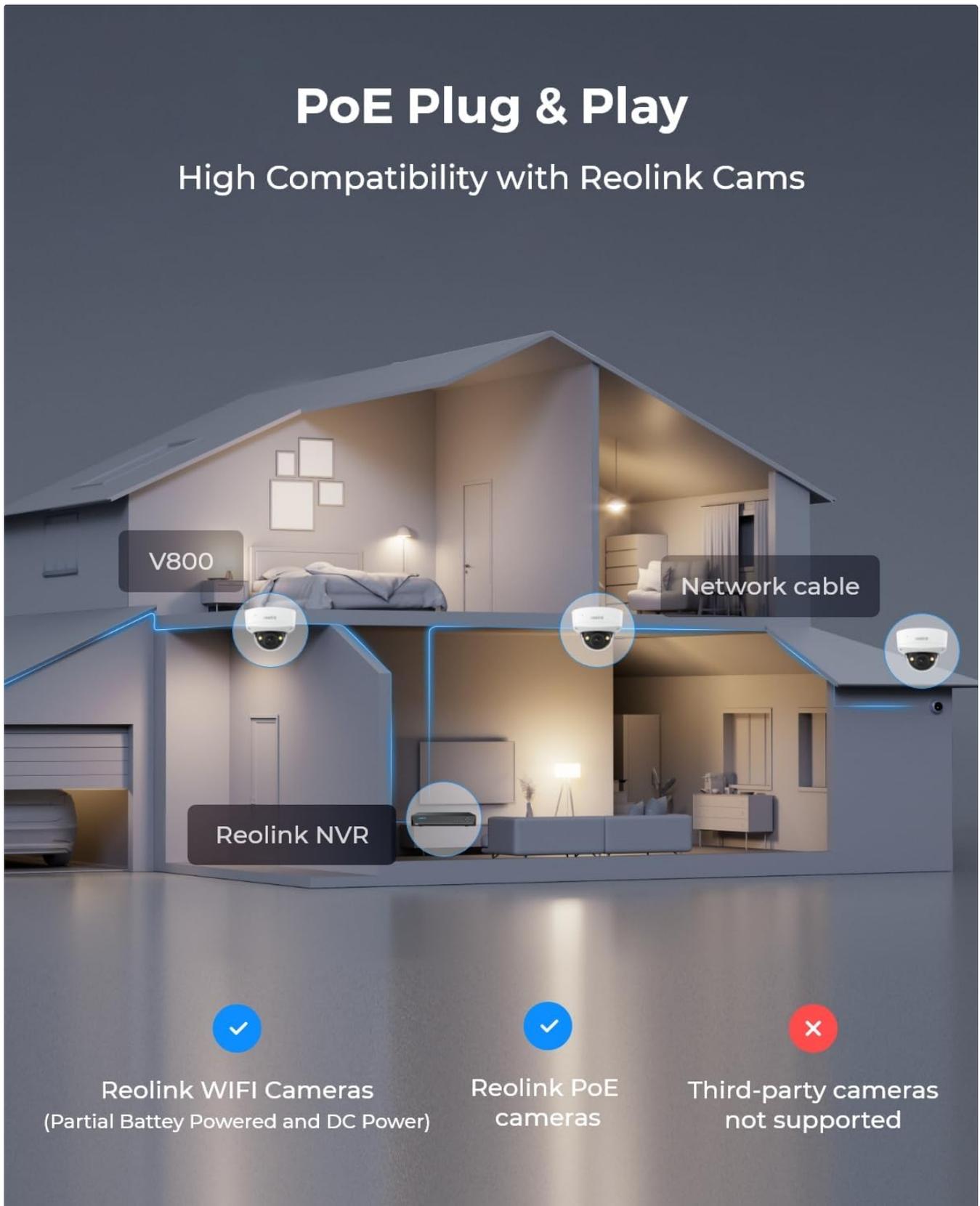

Figure 4.1: Simplified PoE connection for easy installation.

4.2 System Components and Connections

Familiarize yourself with the camera and NVR components and their respective connection points:

Figure 4.2: Camera and NVR component overview.

1. **Connect Cameras to NVR:** Use the provided 18m network cables to connect each V800 camera to the PoE ports on the back of the RLN8-410 NVR.

2. **Connect NVR to Power:** Plug the NVR Power Adapter into the NVR's DC input and then into a power outlet.

3. **Connect NVR to Monitor:** Use the HDMI cable to connect the NVR to a monitor or TV for local viewing. Alternatively, use the VGA port.

4. **Connect NVR to Network:** Use the 1m network cable to connect the NVR's LAN port to your router for internet access, enabling remote viewing and alerts.

5. **Connect USB Mouse:** Plug the USB mouse into one of the NVR's USB ports for navigation and control.

6. **Initial Setup:** Follow the on-screen prompts on the connected monitor to complete the initial setup, including setting up

passwords and network configurations.

For detailed installation steps, please refer to the official User Guide (PDF).

5. OPERATION

Once your system is set up, you can begin monitoring and managing your security feeds.

- **Live View:** Access live feeds from all connected cameras via the NVR connected to a monitor, or remotely through the Reolink App on your smartphone/tablet or Reolink Client software on your computer.
- **Playback:** Review recorded footage stored on the 2TB HDD. Use the timeline and smart detection filters to quickly find specific events.
- **Smart Alerts:** Configure push notifications, email alerts, and NVR buzzer sounds for person, vehicle, or animal detection events.
- **Two-Way Talk:** Utilize the built-in microphone and speaker on the cameras to listen in or speak through the camera from your remote device.
- **System Expansion:** The NVR supports up to 8 channels, allowing you to add more compatible Reolink cameras to expand your surveillance coverage.

6. MAINTENANCE

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

- **Clean Lenses:** Periodically clean camera lenses with a soft, damp cloth to remove dust and smudges that may affect image clarity.
- **Check Connections:** Ensure all network cables and power connections are secure and free from damage.
- **Firmware Updates:** Check the Reolink website or app for available firmware updates for your NVR and cameras. Keeping firmware updated ensures improved performance, new features, and security enhancements.
- **HDD Health:** Monitor the health of the 2TB HDD through the NVR settings to prevent data loss.

7. TROUBLESHOOTING

This section addresses common issues you might encounter.

Issue	Possible Cause	Solution
No video display from camera	Loose cable connection, no power, network issue, camera fault.	Check PoE cable connection. Ensure NVR is powered on. Verify network status. Try restarting the NVR.
Poor night vision quality	Dirty lens, IR lights obstructed, insufficient ambient light for color night vision.	Clean the camera lens. Ensure no obstructions block the IR LEDs. Adjust warm light brightness settings.
False alarms from smart detection	Sensitivity too high, detection zone too wide, environmental factors (e.g., swaying trees).	Adjust detection sensitivity. Refine detection zones to exclude irrelevant areas.
Cannot access system remotely	NVR not connected to internet, incorrect network settings, firewall issues.	Verify NVR's internet connection. Check router settings and port forwarding if necessary. Disable temporary firewalls for testing.

8. Specifications

Key technical specifications for the REOLINK RLK8-800V4 Security Camera System:

Brand: REOLINK

Model Number: RLK8-800V4

Connectivity Technology: Wired (PoE)

Video Capture Resolution: 4K Ultra HD

Number of Channels: 8

Memory Storage Capacity: 2 TB (expandable up to 16 TB)

Color: White

Power Source: DC

Camera Dimensions (L x W x H): 7.87 x 3.15 x 4.72 inches

Compatible Devices: Reolink PoE cameras, Reolink WiFi wired cameras

Low Light Technology: Infrared and Color Night Vision

Night Vision Range: 100 Feet (30 meters)

Frame Rate: 15, 24, 30 fps

Hardware Interface: Ethernet

Lens Type: Fixed

Viewing Angle: 105 Degrees (Horizontal)

Ingress Protection: IP67 Weatherproof

Impact Resistance: IK10 Vandalproof

9. Warranty & Support

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

- **30-Day Money Back Guarantee:** If you are not satisfied with your purchase, you may return it within 30 days for a full refund.
- **2-Year Limited Warranty:** Your REOLINK RLK8-800V4 system is covered by a 2-year limited warranty from the date of purchase, covering defects in materials and workmanship.
- **24/7 Online Support:** For any technical assistance or inquiries, REOLINK offers 24/7 online support. You can reach out to their support team for one-on-one assistance.
- **Protection Plans:** Extended protection plans are available for purchase, including 2-Year and 3-Year options, as well as a Complete Protect monthly plan.
- **Manufacturer:** Reolink Digital
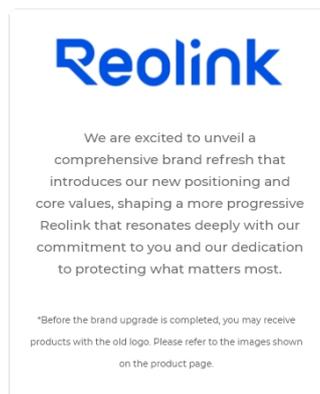- **Seller:** ReolinkDirect (Fulfilled by Amazon)

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 9.1: Reolink After-sales Support Information.

For further assistance, please visit the official REOLINK Store on Amazon or refer to the contact information provided in your product packaging.