REOLINK RLC-823S2

REOLINK RLC-823S2 Smart 4K/8MP UHD PTZ Dome Security Camera User Manual

Model: RLC-823S2 | Brand: REOLINK

1. Introduction

The REOLINK RLC-823S2 is a state-of-the-art 4K UHD PTZ (Pan-Tilt-Zoom) dome security camera designed for comprehensive surveillance. It offers superior image clarity, advanced detection capabilities, and flexible installation options, making it an ideal solution for securing your property.



Figure 1.1: REOLINK RLC-823S2 PTZ Dome Security Camera

2. What's in the Box

Upon unboxing your REOLINK RLC-823S2 camera, please ensure all components are present:

- 1 x RLC-823S2 Camera
- 1 x Waterproof lid
- 1 x 1m Ethernet Cable



Figure 2.1: Unboxing the REOLINK RLC-823S2 camera and its accessories.

3. Setup

Setting up your REOLINK RLC-823S2 camera involves connecting it to your network and configuring the NVR (Network Video Recorder) or the Reolink App/Client.

3.1 Powering On and Initial Connection

Before connecting, ensure your NVR is powered on. Connect the camera to a PoE port on your NVR using the provided Ethernet cable. If you wish to access the NVR via the Reolink App/Client or a web browser, connect the NVR's LAN port to your router.

Video 3.1: This video demonstrates how to add PoE cameras to a Reolink NVR using the Reolink App, covering initial setup and connection steps.

3.2 NVR Configuration

You can configure the NVR using a monitor, the Reolink App, or the Reolink Client software. Connect a monitor and mouse to the NVR to access its interface. Follow the on-screen prompts to set up language, resolution, time, device name, storage, network settings, and email alerts. The NVR should automatically detect and add the connected cameras.

3.3 Reolink App/Client Setup

If your phone/computer and NVR are on the same network, the NVR will often be automatically detected by the Reolink App/Client. If not, you can manually add it by scanning the QR code on the NVR, entering its UID or IP address, or using the LAN search function. Once added, you can create a login password and name your device.

4. Operating the Camera

The RLC-823S2 offers a range of advanced features for effective surveillance.

4.1 4K UHD View and Night Vision

Experience crystal-clear 4K UHD video. The camera supports both color night vision (with spotlights) and infrared night vision modes, ensuring comprehensive visibility day and night.

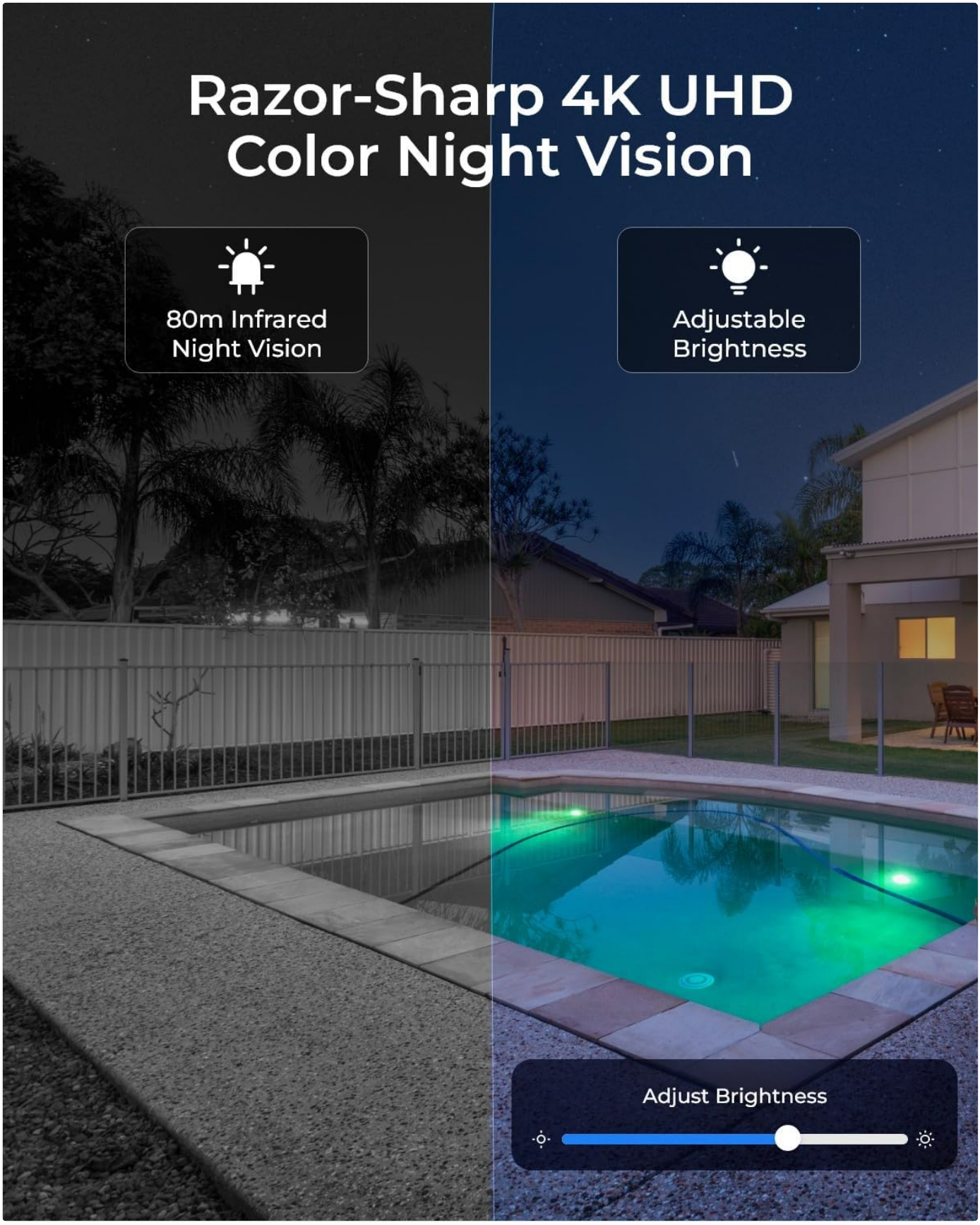


Figure 4.1: Demonstrates the camera's 4K UHD and color night vision capabilities with spotlights.

4.2 16X Optical Zoom & 3D Zoom Function

Utilize the powerful 16X optical zoom to focus on distant details without losing clarity. The streamlined 3D zoom function allows for instant focus on specific areas by simply centering the target on your screen.

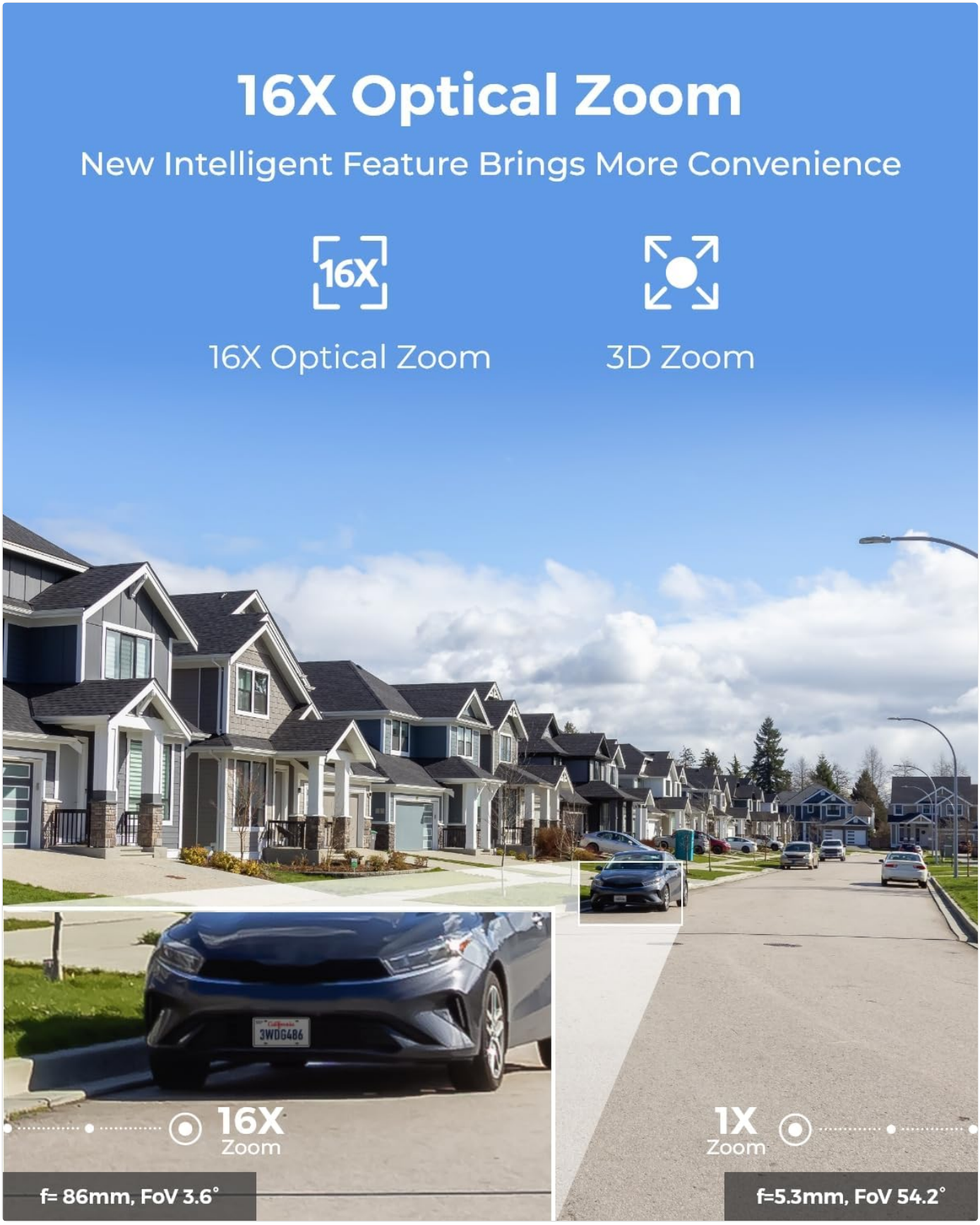


Figure 4.2: Illustrates the 16X optical zoom and 3D zoom capabilities for detailed viewing.

4.3 360° Pan & 90° Tilt with Auto Tracking

The camera offers a wide 360° pan and 90° tilt range, providing extensive coverage. Its auto-tracking feature ensures that moving objects are continuously monitored within the surveillance area.

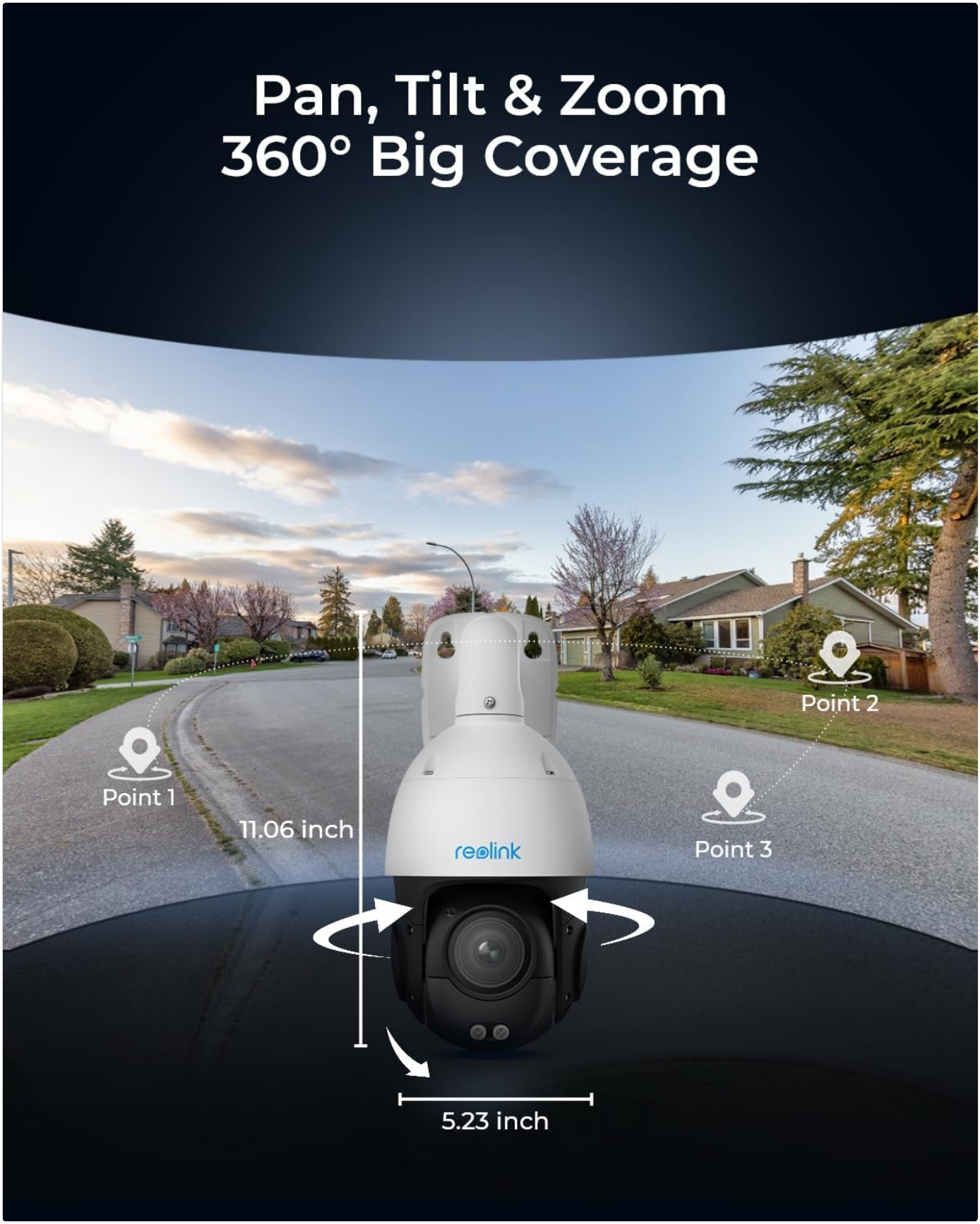


Figure 4.3: Shows the camera's pan, tilt, and auto-tracking features for wide area coverage.

4.4 Smart Detection & 2-Way Talk

The RLC-823S2 accurately identifies persons, vehicles, and animals, reducing false alarms. The built-in two-way talk feature allows for seamless communication with individuals near the camera.

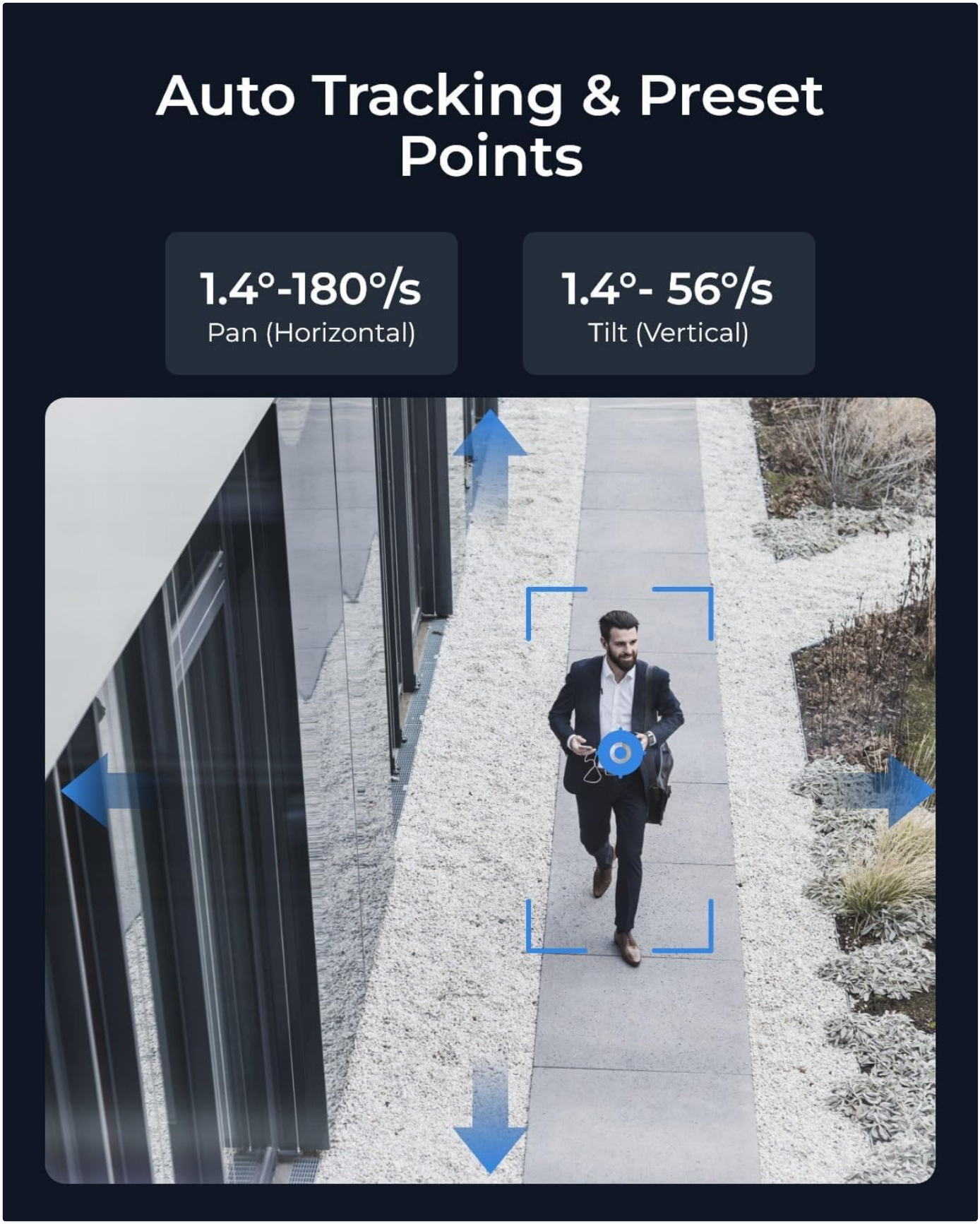


Figure 4.4: Highlights the smart detection capabilities and the two-way audio function.

4.5 Flexible Storage Options

The camera supports multiple storage and recording options, including microSD card (up to 256GB, not included), Reolink NVR, and FTP/NAS for 24/7 recording. A single PoE cable handles both stable 4K video transmission and power supply.

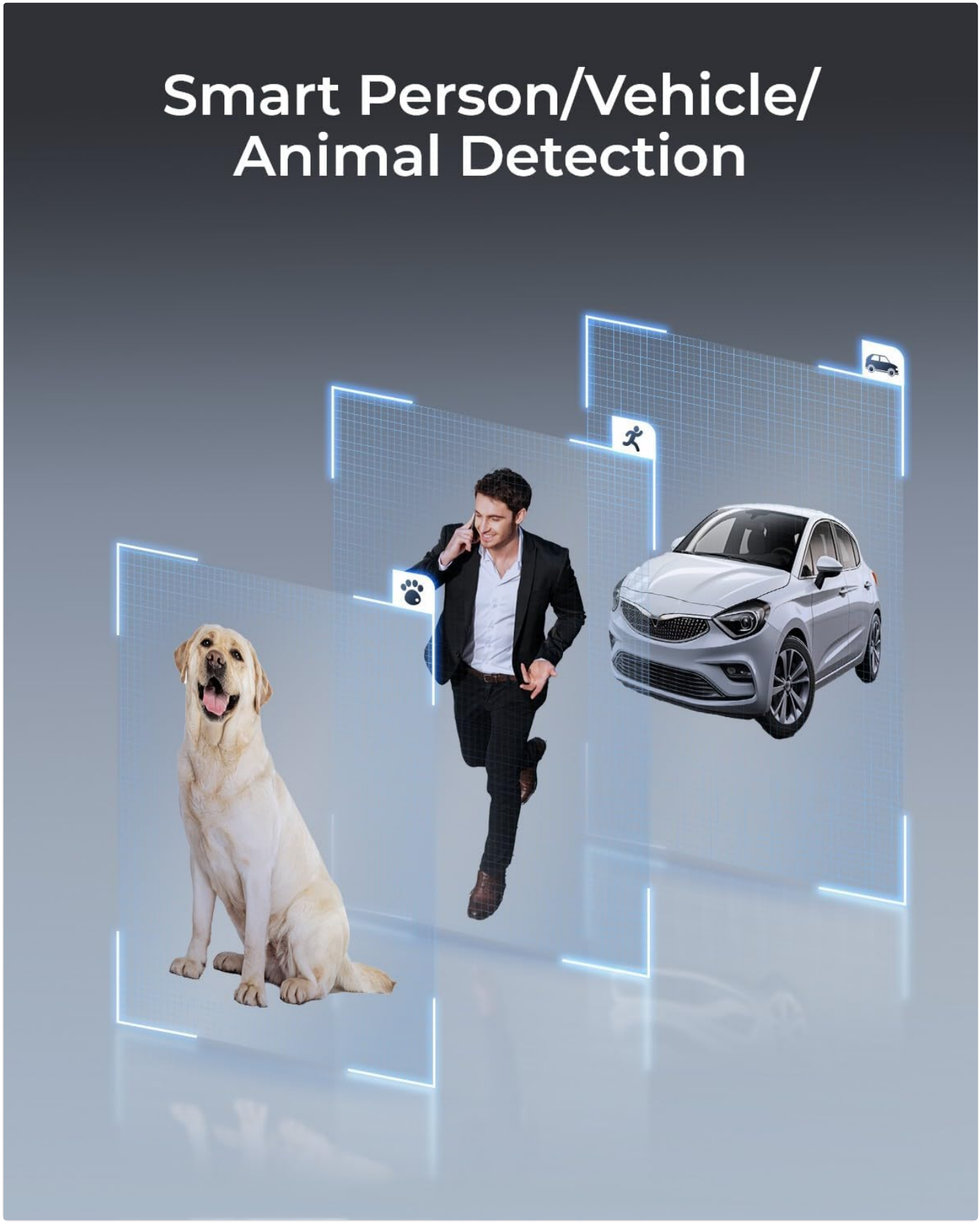


Figure 4.5: Details the various storage options available for the camera's recordings.

4.6 Home Assistant Integration & Time Lapse

The RLC-823S2 works with Home Assistant for smart home integration. It also features a time-lapse function, allowing you to capture dynamic progressions of long-term events like sunrise or flower blooming.



Figure 4.6: Shows the camera's compatibility with Home Assistant and its time-lapse capability.

5. Installation

The REOLINK RLC-823S2 camera offers flexible mounting options for both wall and ceiling installations. It is recommended to use an IEEE802.3at PoE switch for optimal performance.

5.1 Mounting Considerations

- Avoid facing the camera directly towards any strong light source.
- Avoid placing the camera in positions where weather conditions can directly hit and cover the lens.
- Ensure the mounting surface is sturdy enough to support the camera's weight.

5.2 Wall Mounting

Use the provided mounting template to mark drill holes on the wall. Drill the holes, insert the drywall anchors, and then secure the bracket with screws. Attach the wire rope anchor for added security before mounting the camera to the bracket.

Video 5.1: This video provides a detailed guide on how to install the RLC-823S2 camera, including wall mounting steps.

5.3 Ceiling Mounting

For ceiling mounting, detach the camera from its bracket by loosening the screws. Adjust the bracket to ensure it is vertical to the ceiling, then tighten the screws. Use the mounting template to mark and drill holes on the ceiling, insert drywall anchors, and secure the bracket. Finally, use the wire rope anchor to connect the camera to the bracket before reattaching the camera.

6. Maintenance

The RLC-823S2 is built with IP66 weatherproofing, ensuring year-round protection against extreme weather conditions. Regularly check the camera lens for dirt or debris and clean it gently with a soft cloth to maintain optimal image quality. Ensure all cable connections are secure and waterproofed using the provided lid.

7. Troubleshooting

If you encounter issues with your REOLINK RLC-823S2 camera, consider the following common troubleshooting steps:

- **No Video/Offline:** Check all power and Ethernet cable connections. Ensure the NVR or PoE switch is functioning correctly. Verify network connectivity.
- **Poor Image Quality:** Clean the camera lens. Check for obstructions in the camera's field of view. Ensure the camera's resolution settings are appropriate for your display.
- **False Alarms:** Adjust the smart detection sensitivity settings in the Reolink App/Client. Configure detection zones to exclude areas with frequent irrelevant motion.
- **PTZ Control Issues:** Ensure the camera's firmware is up to date. Check network stability.

For more detailed troubleshooting or persistent issues, please refer to the official REOLINK support resources or contact their customer service.

8. Specifications

Feature	Specification
Brand	REOLINK
Model Number	RLC-823S2
Video Capture Resolution	4K (8MP)
Optical Zoom	16X

Pan/Tilt Range	360° Pan, 90° Tilt
Night Vision Range	80 Meters
Connectivity Technology	Ethernet (PoE)
Water Resistance Level	IP66 Waterproof
Storage Support	Micro SD (up to 256GB), NVR, FTP/NAS
Material	Aluminum
Item Dimensions L x W x H	14.69 x 6.97 x 5.51 inches
Item Weight	5.15 pounds

9. Warranty and Support

For warranty information, please refer to the documentation provided at the time of purchase or visit the official REOLINK website. For technical support, product inquiries, or assistance with setup and operation, please contact REOLINK customer service through their official channels.

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

you@example.com

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