PANOEAGLE PG2386IRCS-P

PANOEAGLE 4K Dual-Lens PoE Security Camera User Manual

Model: PG2386IRCS-P
Brand: PANOEAGLE

Introduction

This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of your PANOEAGLE 4K Dual-Lens PoE Security Camera (Model PG2386IRCS-P). Please read this manual thoroughly before using the product to ensure proper functionality and safety.

Product Overview

The PANOEAGLE 4K Dual-Lens PoE Security Camera is an advanced surveillance solution designed for both indoor and outdoor environments. It features an 8MP resolution with a 180° panoramic view, offering extensive coverage. Key functionalities include smart human and vehicle detection, dual-light night vision (full color and infrared), two-way audio communication, and flexible storage options.

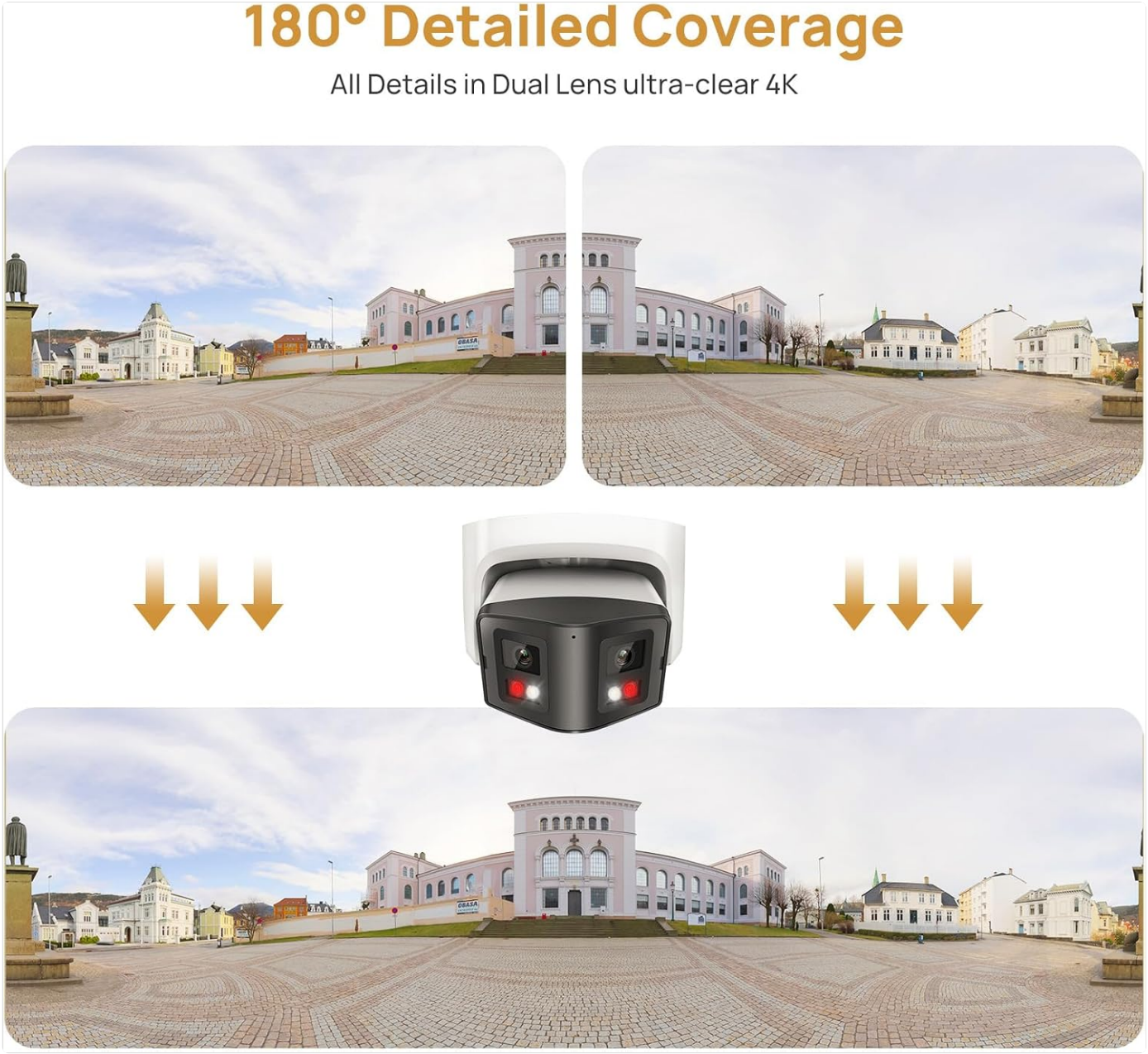


Image: The PANOEAGLE 4K Dual-Lens PoE Security Camera, highlighting its dual-lens design for wide-angle surveillance.

Package Contents

Verify that all items are present in the package:

- 1 x PANOEAGLE 4K Dual-Lens PoE Security Camera
- 1 x Instruction Manual
- 1 x Mounting Screw Kit

Setup

1. Physical Installation

The camera is designed for wall mount installation. Ensure the mounting surface is stable and can support the camera's weight. The camera has an IP66 waterproof rating, making it suitable for outdoor use in various weather conditions.

1. **Choose a Location:** Select a location that provides the desired 180° panoramic view and is within reach of your PoE network cable.
2. **Mount the Camera:** Use the provided mounting screws to securely attach the camera to the chosen surface.

3. **Connect PoE Cable:** Connect a standard Ethernet cable from your PoE switch or NVR to the camera's PoE port. This single cable provides both power and data.



Image: The camera installed outdoors, showcasing its IP66 waterproof design, suitable for various weather conditions.

2. Network Connection and IP Configuration

To access the camera's web interface and configure settings, you may need to adjust its IP address to match your network segment. The camera supports ONVIF protocol for compatibility with various NVRs and software.

1. **Connect to Network:** Ensure the camera is connected to your local area network (LAN) via a PoE switch or directly to a PoE-enabled NVR.
2. **Find Camera IP Address:** Use a network scanning tool (e.g., AJDevTools or SADP Tool) to discover the camera's IP address on your network.
3. **Configure IP Address (if necessary):** If the camera's IP address is not in the same network segment as your computer, you will need to modify it. This can typically be done through the network scanning tool or by accessing the camera's web interface.
4. **Access Web Interface:** Open a web browser (e.g., Internet Explorer) and enter the camera's IP address. Log in using the default credentials (account: admin, password: 123456).

Your browser does not support the video tag.

Video: Instructions on how to change the camera's IP address and access its web interface for configuration.

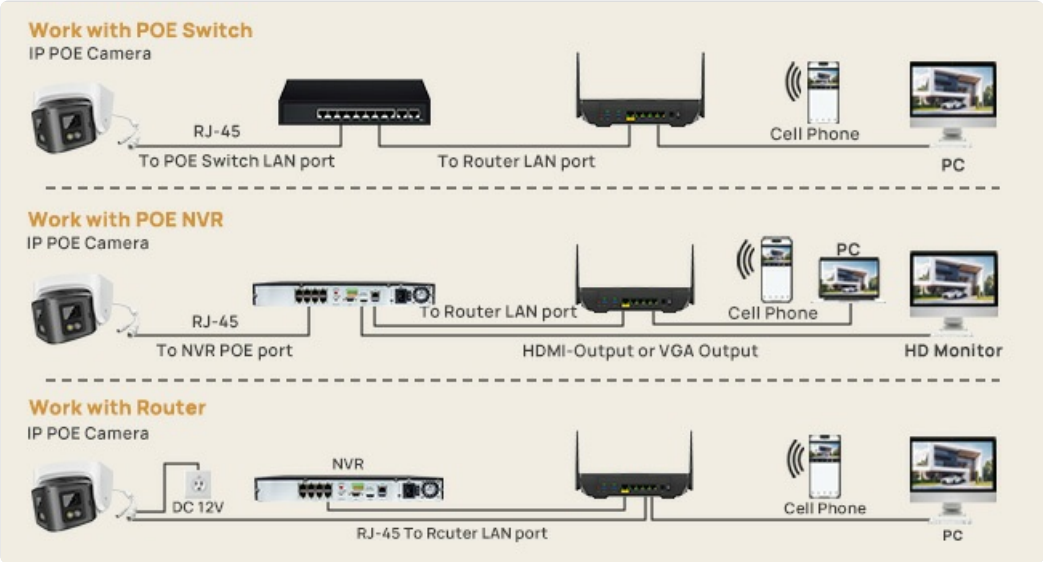


Image: Connection diagrams for the PoE IP camera, illustrating setups with a PoE switch, PoE NVR, and a standard router.

Operating Instructions

1. 180° Panoramic View

The dual-lens design provides a seamless 180° panoramic field of view, allowing for comprehensive monitoring of large areas without blind spots. This is ideal for wide outdoor spaces.



Image: Visual representation of the camera's 180-degree ultra-wide viewing angle, covering a broad area.

Your browser does not support the video tag.

Video: Demonstration of the 4K Dual-Lens PoE Security Camera's 180° panoramic view in an outdoor setting.

2. Dual Light Night Vision

The camera offers two night vision modes: infrared (IR) and full-color. By default, it switches automatically. When human or vehicle motion is detected, warm lights activate for a full-color image. In the absence of detection, it reverts to infrared mode for clear black and white imaging, with a range of up to 98 feet.



Image: Illustrates the difference between infrared night vision (spotlight off) and full-color night vision (spotlight on) at night.

Your browser does not support the video tag.

Video: Demonstrates the smart dual light mode, showing how the camera automatically switches to full color when people or vehicles are detected at night.

3. Smart Human/Vehicle Detection

The camera's intelligent detection system focuses on identifying humans and vehicles, significantly reducing false alarms from other objects. Upon detection, the camera sends push notifications to your smartphone and can activate its speakers to alert individuals that they are being recorded.

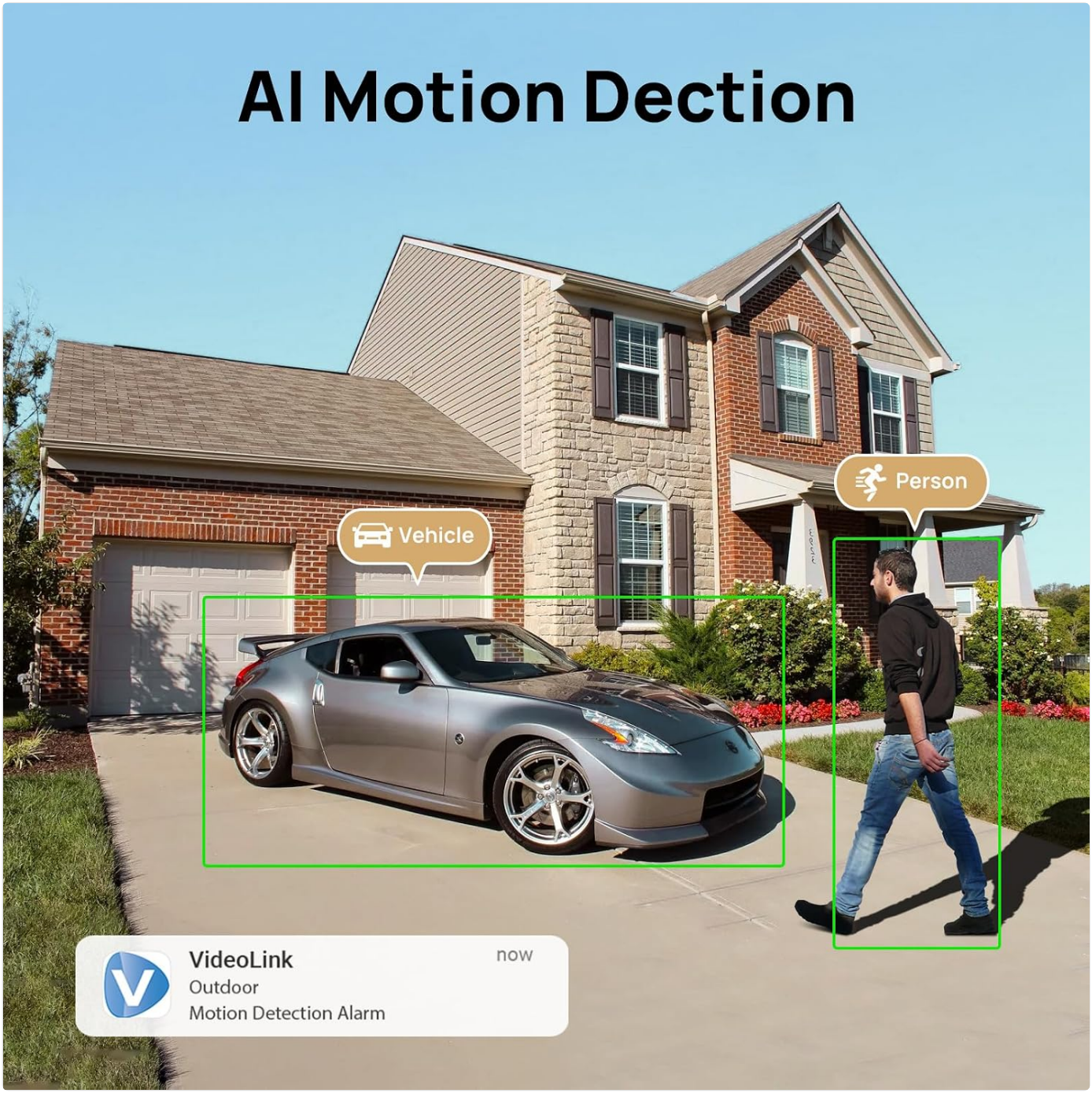


Image: A scene demonstrating AI motion detection, with green boxes highlighting a detected person and vehicle in a driveway.

4. Two-Way Talk

Equipped with a built-in speaker and microphone, the camera enables two-way audio communication. This allows you to speak with visitors or deter unwanted individuals directly through the camera while viewing live footage.



Image: A delivery scenario illustrating the two-way audio feature, allowing communication with individuals at your door via the camera.

5. Recording and Storage

The camera supports continuous 24/7 recording and offers multiple storage options:

- **MicroSD Card:** Supports up to 512GB MicroSD cards (not included) for local storage.
- **Third-party NVR:** Compatible with various NVRs, including Hikvision NVRs, via ONVIF protocol.
- **NAS/SFTP/FTP:** Supports network-attached storage (NAS), Secure File Transfer Protocol (SFTP), or File Transfer Protocol (FTP) for remote storage.



Image: Multiple camera views displayed on a monitor, highlighting the flexible storage options including MicroSD card, NVR, and FTP/NAS.

6. Remote Access

Access your camera's live feed and recordings remotely using the Videolink app on your smartphone or through a PC client. The camera also supports RTMP and RTSP for platform live streaming.



Image: Various devices accessing camera feeds, demonstrating multi-user remote access via the Videolink app and PC client.

Maintenance

- **Regular Cleaning:** Periodically clean the camera lenses with a soft, damp cloth to ensure clear image quality. Avoid abrasive cleaners.
- **Firmware Updates:** Check the manufacturer's website or the Videolink app for available firmware updates to ensure optimal performance and security.
- **Storage Management:** Regularly review and manage recorded footage, especially if using a MicroSD card, to prevent storage overflow.
- **Network Security:** Change default passwords and use strong, unique passwords for your camera and network to prevent unauthorized access.

Troubleshooting

Problem	Possible Cause	Solution
No image/video feed	Power issue, network cable disconnected, incorrect IP address.	Check PoE connection. Verify network cable is securely plugged in. Confirm camera IP address is correct and accessible on your network.
Poor image quality	Dirty lens, low bandwidth, improper settings.	Clean the camera lens. Ensure sufficient network bandwidth. Adjust image settings (resolution, bitrate) in the camera's web interface.
Motion detection not working	Detection zones not configured, sensitivity too low, firmware outdated.	Configure motion detection zones and sensitivity in the camera settings. Update camera firmware.
Two-way audio issues	Microphone/speaker disabled, volume too low, network latency.	Check audio settings in the camera's web interface or app. Adjust volume levels. Ensure stable network connection.
Cannot access camera remotely	Network configuration issues (port forwarding), app not configured correctly.	Verify router settings for port forwarding if not using P2P. Ensure the Videolink app is correctly set up and connected to the camera.

Specifications

Feature	Detail
Brand	PANOEAGLE
Model Name	8MP 4K Dual-Lens PoE Security Camera with 180° Panoramic View (PG2386IRCS-P)
Connectivity Technology	Wired (PoE)
Resolution	8 MP (4K Ultra HD)
Viewing Angle	180 Degrees Panoramic
Night Vision	98 Feet (Full Color / IR)
Detection	Person/Vehicle Detection
Audio	Two-Way Talk
Storage	Micro SD Slot (up to 512GB), NVR, NAS, SFTP, FTP
Weatherproof Rating	IP66
Compatible Devices	NVR (ONVIF), Blue Iris, iSpy, PC Client, Mobile APP (Videolink)
Power Source	Corded Electric (PoE)
Material	Metal (Enclosure)
Item Dimensions	6 x 5 x 5 inches
Item Weight	0.63 Kilograms

Warranty and Support

PANOEAGLE provides a **2-year manufacturer warranty** for this product. Additionally, lifetime technical support is available to assist with any questions or issues you may encounter. For support, please contact the friendly support team via the contact information provided with your purchase or on the official PANOEAGLE website.

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