

## PANOEAGLE PG-PG2346IRCS-P

# PANOEAGLE 4MP Dual Lens PoE IP Camera Instruction Manual

MODEL: PG-PG2346IRCS-P

## Introduction

This manual provides comprehensive instructions for the installation, configuration, and operation of your PANOEAGLE 4MP Dual Lens PoE IP Camera. Designed for both indoor and outdoor surveillance, this camera features a 170° panoramic wide-angle view, full-color and IR night vision capabilities, smart human/vehicle detection, and two-way audio communication. Please read this manual thoroughly before using the product to ensure proper setup and functionality.

## Product Overview

The PANOEAGLE 4MP Dual Lens PoE IP Camera is an advanced surveillance solution offering a wide range of features for enhanced security monitoring.

- **170° Panoramic View:** Equipped with two 1/2.9" progressive scan CMOS sensors and fixed 4mm lenses with F1.6 aperture, the camera delivers a 170° panoramic view, minimizing blind spots. 120 dB WDR technology ensures clear images in varied lighting conditions.
- **4MP UHD & Color Night Vision:** Achieve a maximum resolution of 3840×1080 at 20fps. The camera supports two night vision modes: infrared black and white, and full-color night vision activated by warm light LEDs upon human movement detection.
- **Smart Detection & Two-Way Audio:** Utilizes deep learning for accurate human and vehicle detection, reducing false alarms. Integrated two-way audio allows direct communication via the VideoLink App and supports customized audio alarms.
- **High Video Compression & Compatibility:** Features H.265+ video compression for efficient storage, recording up to four times longer than H.264. Supports ONVIF protocol for compatibility with third-party NVRs, Blue Iris, iSpy, NAS storage, PC clients, and mobile apps.
- **Easy P2P Monitoring:** Remote access is available via the "VideoLink" app for iOS and Android devices.



Image: Front view of the PANOEAGLE 4MP Dual Lens PoE IP Camera, showcasing its dual lenses and integrated lights.

## Package Contents

Verify that all items are present in your package:

- PANOEAGLE 4MP Dual Lens PoE IP Camera
- Quick Start Guide
- Waterproof Cap
- Camera Installation Package (screws, wall anchors)

IP66 Water and dust resistant

Built-in SD card slot  
supports up to 512GB

Built-in Microphone

4MP (3840x1080)  
2 x 1/2.9" GC2063 CMOS

White light x 2

IR Range x 2

DC 12V

RJ45 PoE Port



## Package Includes



4MP Camera



Quick Start Guide



Waterproof cap



Camera installation package

Image: Diagram illustrating the camera and its included accessories: quick start guide, waterproof cap, and installation hardware.

## Setup

### 1. Physical Installation

The camera is designed for wall mounting. For optimal panoramic viewing and clear monitoring, install the camera in large outdoor areas at a distance of at least 4 meters (approximately 13 feet) from the primary viewing area. Testing the camera in small indoor scenes may result in noticeable image distortion or 'cracks' due to the wide-angle lenses.

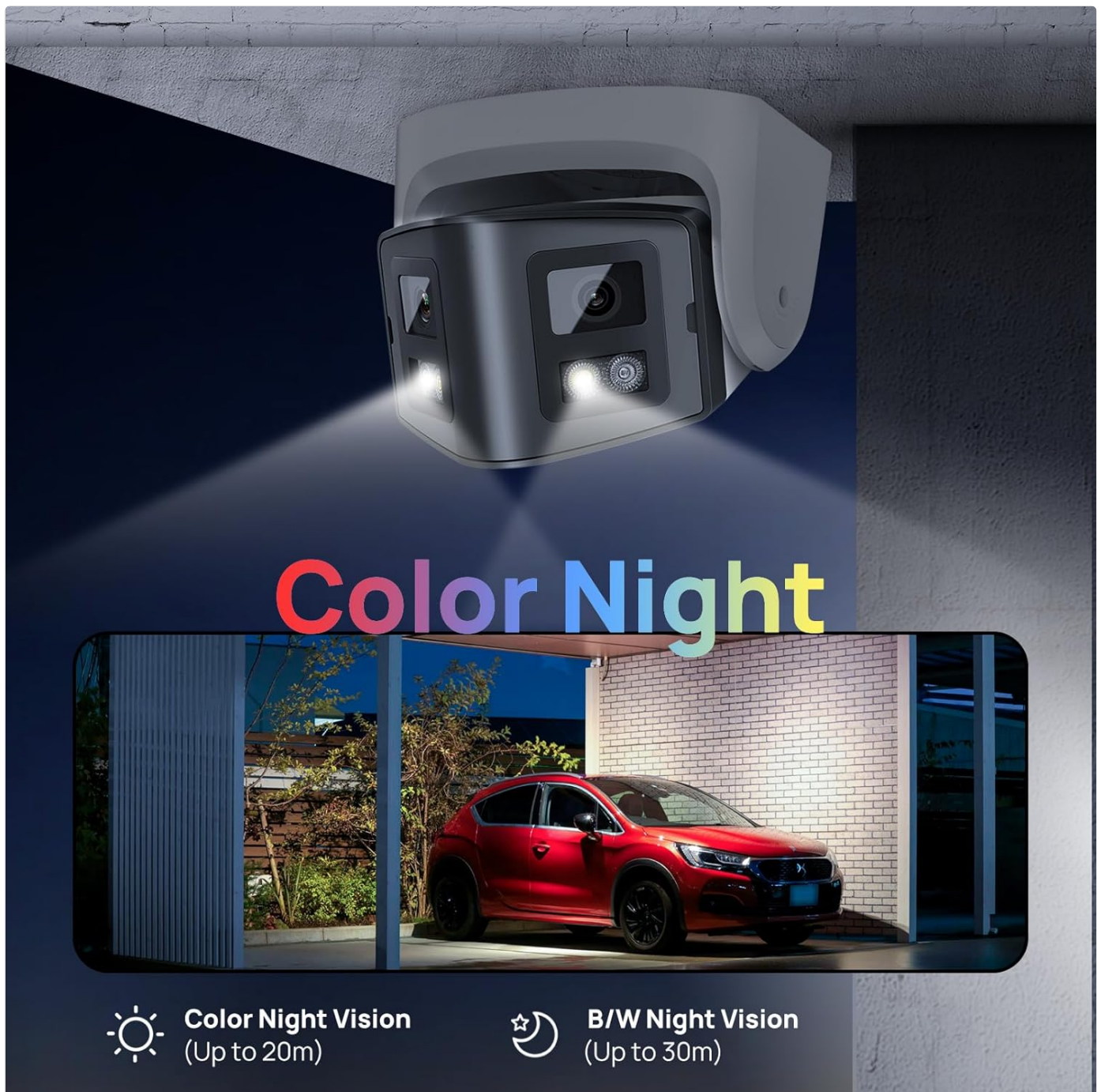


Image: The PANOEAGLE camera mounted on an outdoor wall, demonstrating a typical installation scenario.

## 2. Power and Network Connection

This camera supports Power over Ethernet (PoE 802.3af), allowing both power and data transmission through a single RJ45 Ethernet cable. A PoE injector or switch is required and not included with the camera. Connect the camera to your network via the RJ45 port.





Image: Diagram illustrating the Power over Ethernet (PoE) connection, showing how a single Ethernet cable provides both power and data to the camera from a PoE-enabled NVR or switch.

### 3. App Installation and Initial Setup

Download the "VideoLink" app from the Apple App Store or Google Play Store. Follow the in-app instructions to add your camera for remote monitoring and control. The app facilitates P2P monitoring, allowing easy access from your smartphone.

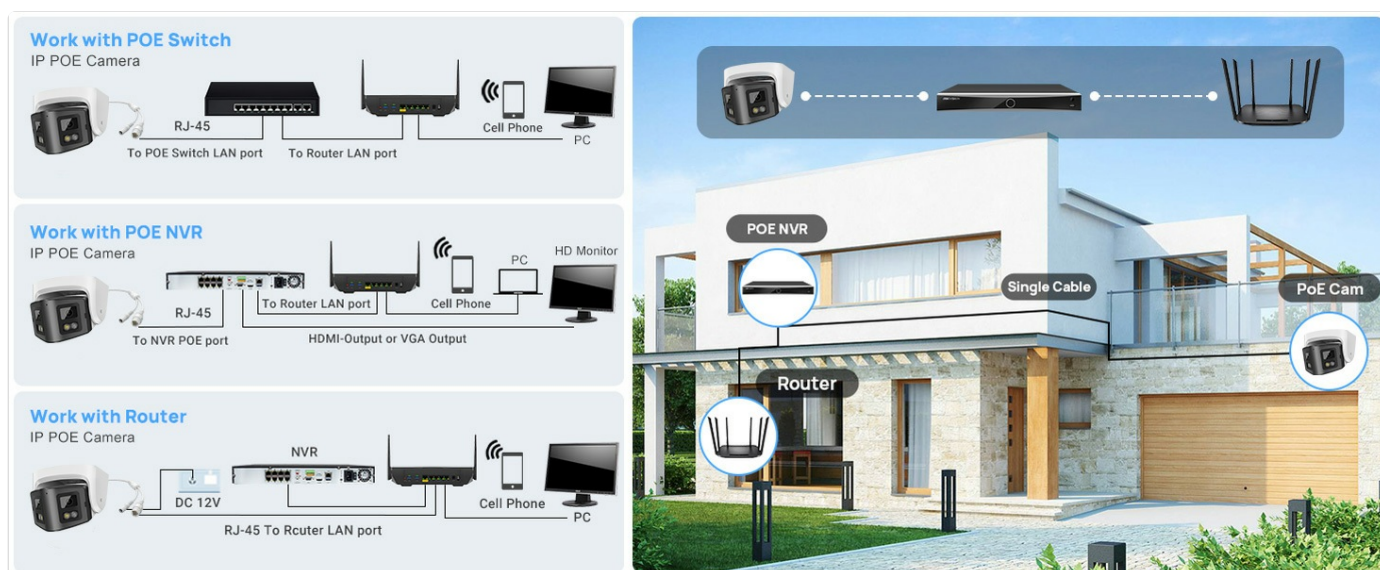


Image: A smartphone screen displaying the VideoLink app interface, demonstrating how to connect the camera for remote viewing and management.

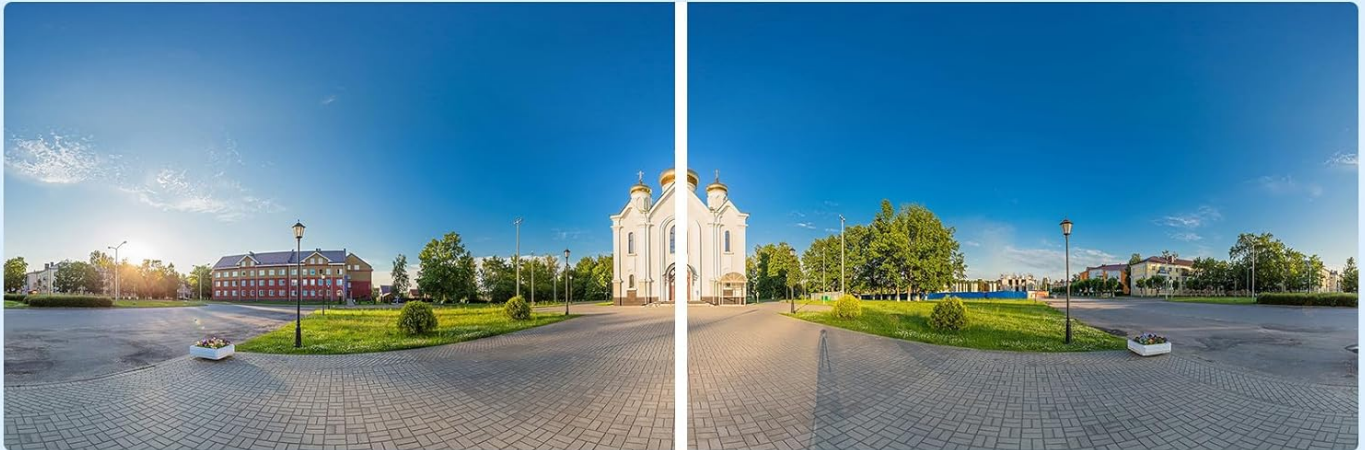
## Operating Instructions

### 1. Panoramic View

The dual-lens system provides a 170° panoramic field of view, offering extensive coverage with minimal distortion. This wide perspective is ideal for monitoring large outdoor spaces.

# Dual -len 180° Panoramic 4MP/2K

(180° stitched width)



PANOEAGLE 180°-Vivid Colors in 1 Feed



Image: A split image demonstrating the 170° panoramic view captured by the dual-lens camera, showing a wide outdoor scene.

## 2. Night Vision Modes

The camera offers flexible night vision options:

- **Infrared (B/W) Night Vision:** Provides clear black and white images in low-light or no-light conditions.
- **Full-Color Night Vision:** When human movement is detected, the integrated warm light LEDs illuminate, converting the night vision to full color for enhanced detail.



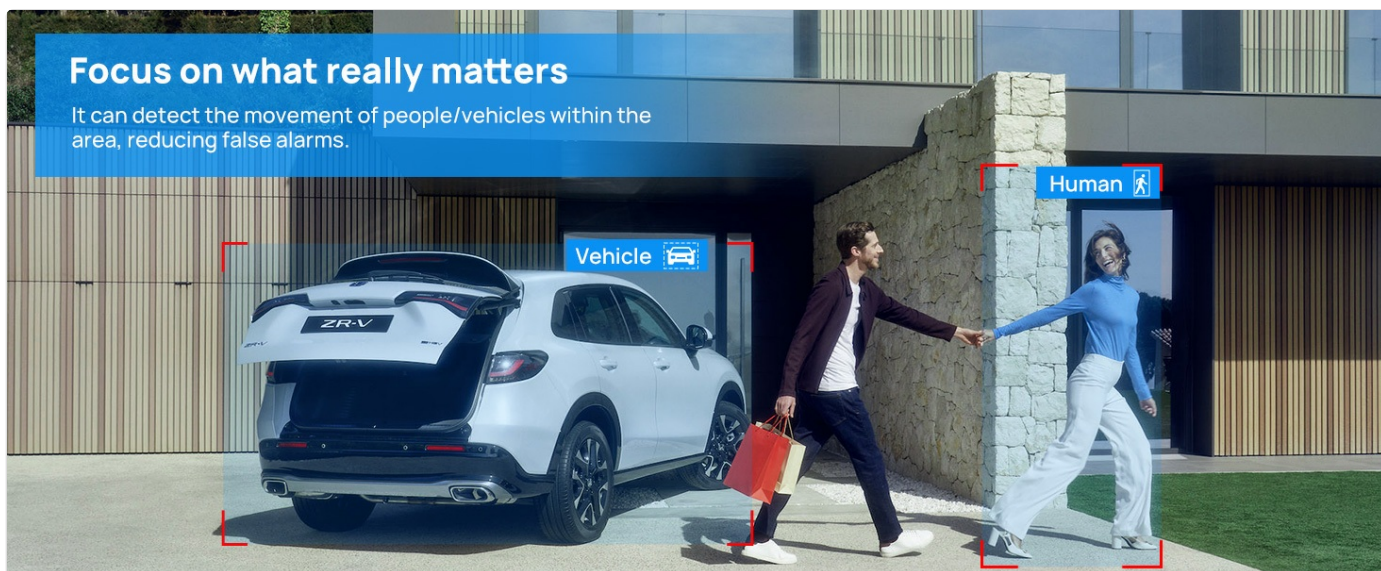


Image: A comparison showing the difference between white light (color) night vision and infrared (black and white) night vision, highlighting the clarity and detail in color mode.

### 3. Smart Detection

Leveraging deep learning algorithms, the camera accurately identifies human and vehicle movement, significantly reducing false alarms triggered by animals or environmental factors. Real-time notifications are sent to your device upon detection.

# Smart Human/Vehicle Detection

## Reducing unnecessary alarms

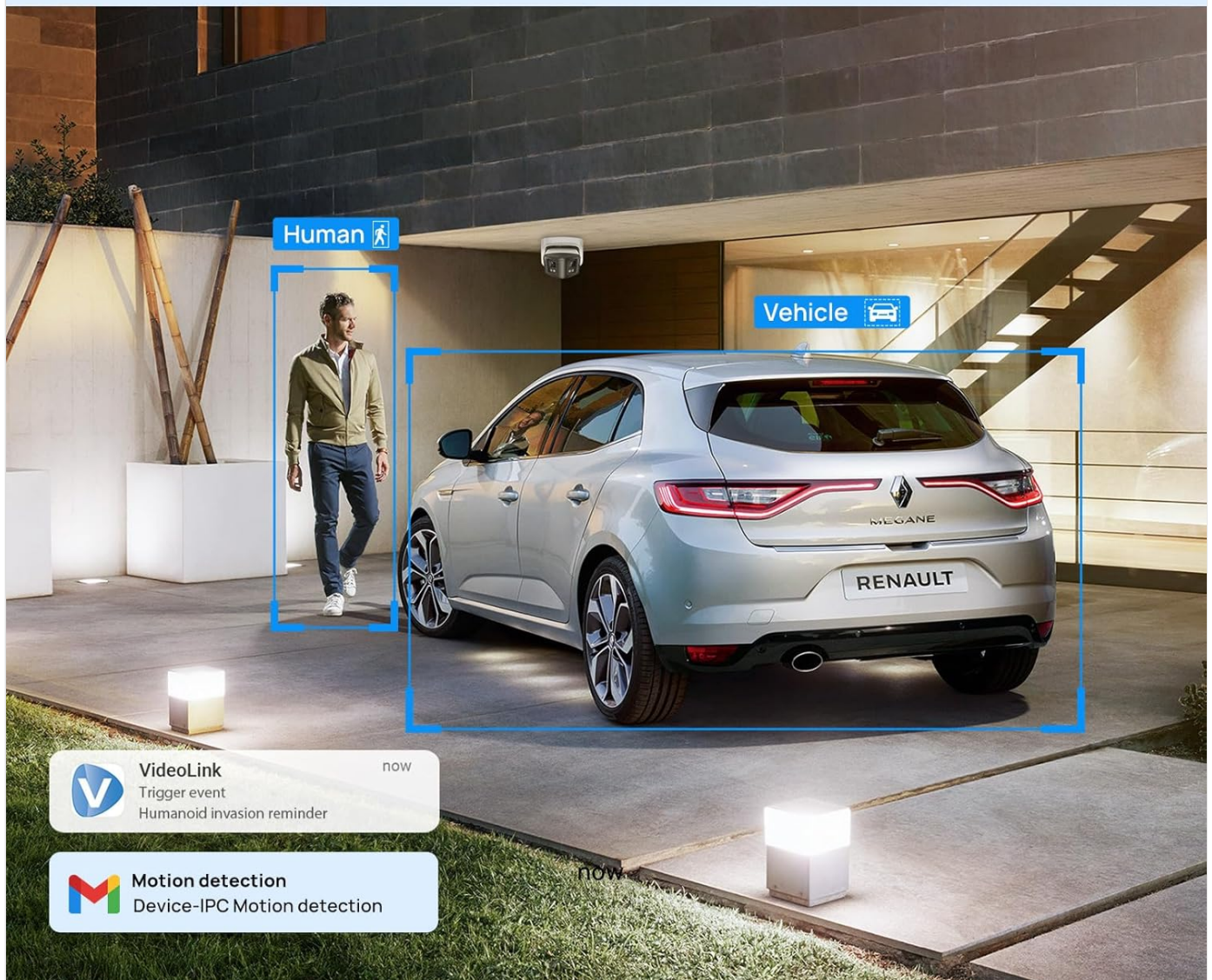


Image: An outdoor scene with a person and a vehicle, overlaid with detection boxes indicating the camera's ability to identify humans and vehicles.

#### 4. Two-Way Audio

Engage in real-time conversations with individuals near the camera using the built-in microphone and speaker, accessible through the VideoLink App. This feature is useful for communicating with visitors or deterring unwanted activity. Custom audio alarms can also be configured.



# Two-way Audio

## Just Works with VideoLink APP

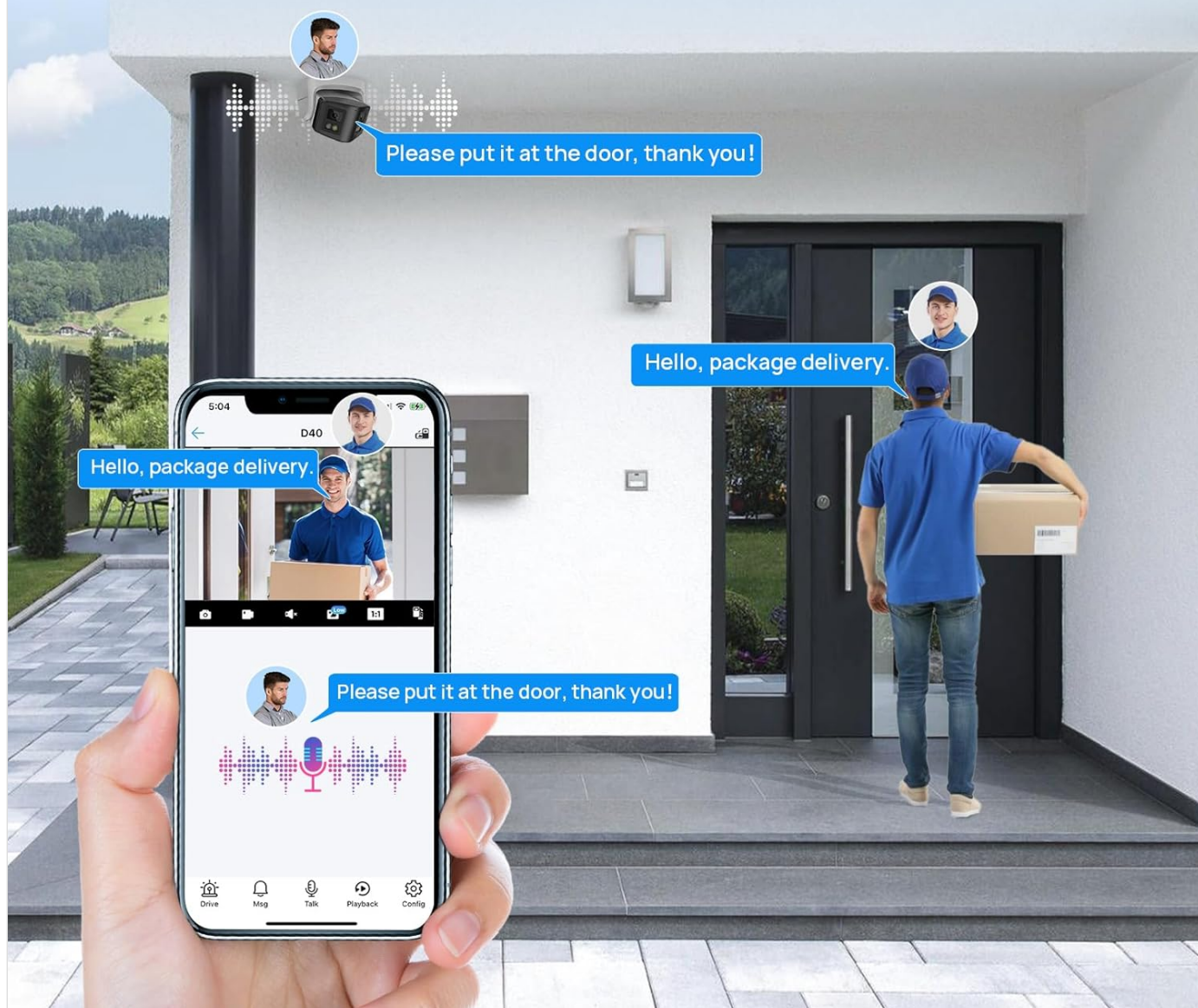


Image: A person speaking into a smartphone, with speech bubbles indicating two-way audio communication with someone at a doorstep, demonstrating the camera's audio capabilities.

### 5. Continuous Recording

The camera supports continuous recording to a Micro SD card (up to 512GB, not included). The H.265+ video compression standard optimizes storage space, allowing for extended recording periods while maintaining video quality.



# Continuous Recording



Supports up to

## 512GB

Micro SD card (not included)

Image: A close-up of the camera's Micro SD card slot, indicating support for up to 512GB for continuous recording.

## 6. Compatibility

The camera is compatible with various surveillance systems and software:

- **ONVIF Protocol:** Ensures compatibility with most third-party Network Video Recorders (NVRs).
- **Software Integration:** Works with popular software like Blue Iris and iSpy.
- **Storage Options:** Supports NAS storage and remote access via PC client.
- **Streaming:** RTMP and RTSP protocols are supported for platform live streaming.
- **Alerts:** Alarm snapshots can be sent to email and FTP servers.

## Maintenance

### 1. Weather Resistance

The camera features an IP67 international protection rating, indicating it is dust-tight and protected against immersion in

water. Constructed from durable metal, it is designed to withstand harsh weather conditions, operating effectively in temperatures ranging from -30°C (-22°F) to 85°C (185°F).



Image: Icons representing the camera's weather resistance (IP67), cold rating (-22°F/-30°C), and hot rating (185°F/85°C).

## 2. General Care

Regularly inspect the camera's mounting and connections to ensure they remain secure. Clean the lens periodically with a soft, damp cloth to maintain optimal image clarity. Avoid using harsh chemicals or abrasive materials.

## Troubleshooting

- **Image Distortion/Cracks in Indoor Testing:** The camera's 170° panoramic view is optimized for large outdoor areas. When testing in small indoor environments, the wide-angle lenses may produce noticeable image distortion. For clear monitoring, ensure the camera is installed at least 4 meters from the primary viewing area.
- **Micro SD Card Not Detected:** Ensure the Micro SD card is correctly inserted into the designated slot (supports up to 512GB). If the issue persists, try formatting the card via the camera's interface or app, or test with a different



compatible Micro SD card.

- **Video Playback Issues (MP4 Format):** While the camera records in H.265+ (which can be encapsulated in MP4), some media players may require specific codecs or updated software to play back the video files. Ensure your media player is up-to-date or try a different player known for wide codec support.
- **Limited Features with Third-Party NVRs:** Some advanced features, such as direct control of lights or pre-programmed presets, may not be fully supported when using certain third-party NVR brands (e.g., LTS) due to compatibility variations. Basic pan/tilt/zoom (if applicable) and video streaming should function via ONVIF.
- **NVR Incompatibility:** If experiencing issues with NVR compatibility, ensure your NVR supports ONVIF protocol and that the camera's firmware is up to date. Refer to the NVR's manual for adding ONVIF-compliant cameras.



Image: A graphic illustrating potential solutions for NVR incompatibility, emphasizing checking settings and firmware.

Specifications

Feature	Specification
Model Name	PG-PG2346IRCS-P
Effective Still Resolution	4 MP
Maximum Webcam Image Resolution	4 MP
Viewing Angle	170 Degrees
Night Vision Range	100 Feet
Frame Rate	20 fps

Video Encoding	H.265
Low Light Technology	Night Color / IR
Connectivity Technology	Ethernet (PoE 802.3af)
Compatible Devices	NVR
Controller Type	APP
Indoor/Outdoor Usage	Indoor, Outdoor
International Protection Rating	IP67
Material	Metal
Operating Temperature	-30°C (-22°F) to 85°C (185°F)
Item Dimensions (L x W x H)	5 x 4 x 5 inches
Item Weight	1.41 pounds

## Warranty and Support

PANOEAGLE is committed to providing comprehensive protection for your privacy and security. We offer a one-year warranty policy and lifetime technical support for this product. For any questions or assistance, please contact our customer support.


**PANOEAGLE**






As a professional manufacturer of cameras, we offer various types of cameras and NVRs to meet your diverse monitoring requirements.

Our cameras are rigorously tested before leaving the factory to ensure that they can be your reliable companions.

Image: A shield icon representing privacy and security, accompanied by text indicating a one-year warranty and lifetime technical support from PANOEAGLE.

### Related Documents - PG-PG2346IRCS-P

<div><p>POE Security Camera System</p><p>Quick User Guide</p><p>For more items information, please visit: <a href="http://www.panoegle.com">www.panoegle.com</a></p></div>	<p><a href="#">PANOEAGLE POE Security Camera System Quick User Guide</a></p> <p>A quick user guide for PANOEAGLE POE security camera systems, covering NVR connection, camera configuration, mobile app usage, and frequently asked questions. Learn how to set up and manage your IP cameras with Hikvision and Dahua NVRs.</p>
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	<p><a href="#">PG Series POE IP Camera Quick Start Guide</a></p> <p>A quick start guide for setting up and accessing the PG Series POE IP Camera, including system requirements, network connection instructions, and web login procedures.</p>
	<p><a href="#">PG RTSP: Real-Time Streaming Protocol Explained</a></p> <p>Learn about the PG RTSP protocol, its description, and how to format Real-time monitoring code stream URLs with examples for IP cameras.</p>
	<p><a href="#">Access Panoeagle IP Camera Web Interface: Setup Guide</a></p> <p>Step-by-step guide to connect and access your Panoeagle IP camera's web interface using AJ Device Tools. Covers network setup, IP configuration, and login procedures.</p>
	<p><a href="#">Network Camera User Manual</a></p> <p>User manual for Network Camera, covering system requirements, network connection, access, general configurations, and frequently asked questions.</p>
	<p><a href="#">PANOEAGLE POE Security Camera System Quick User Guide</a></p> <p>A quick user guide for PANOEAGLE POE security camera systems, covering NVR connection, camera configuration, mobile app usage, and frequently asked questions. Learn how to set up and manage your IP cameras with Hikvision and Dahua NVRs.</p>