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Inwerang 4mp dual lens bullet

Inwerang 4MP Dual Lens PoE IP Security Camera User Manual

Model: 4mp dual lens bullet

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Inwerang 4MP Dual Lens PoE IP Security Camera. This camera features a 180° ultra-wide viewing angle, two-way audio communication, human detection capabilities, and versatile storage options. Please read this manual thoroughly before using the product to ensure proper functionality and safety.



Figure 1: Inwerang 4MP Dual Lens PoE IP Security Camera (Model: 4mp dual lens bullet)

2. WHAT'S IN THE BOX

Upon opening the package, verify that all components are present and in good condition. The standard package contents include:

- Inwerang 4MP Dual Lens PoE IP Security Camera
- Mounting Template (H116/125)
- Mounting Screws and Wall Plugs
- Waterproof Connector for Ethernet Cable
- User Manual (this document)
- Thank You Card

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Video 1: Unboxing the Inwerang 4MP Dual Lens PoE IP Security Camera. This video demonstrates the contents of the product packaging, including the camera unit, mounting accessories, and documentation.

3. SETUP AND INSTALLATION

3.1 Physical Installation

The camera is designed for wall-mounted outdoor or indoor use. Ensure the mounting surface is sturdy enough to support

the camera's weight (approximately 1.83 pounds).

1. Choose a suitable location for optimal viewing, considering the 180° panoramic angle.
2. Use the provided mounting template (H116/125) to mark drill holes on the wall.
3. Drill holes and insert wall plugs if necessary.
4. Secure the camera's mounting base to the wall using the provided screws.
5. Adjust the camera angle as needed.



Figure 2: The camera's dual lenses provide a 180-degree panoramic view, ideal for wide area surveillance.

3.2 Network Connection

This camera supports Power over Ethernet (PoE) for simplified installation, requiring only a single Ethernet cable for both power and data. It can also be powered via a 12V power adapter (not included).

- **PoE Connection:** Connect the camera directly to a PoE switch or a PoE-enabled NVR using an Ethernet cable. Ensure the waterproof connector is properly installed.

- **Non-PoE Connection:** If not using PoE, connect the camera to your network router via an Ethernet cable and power it using a 12V power adapter.
- **Mobile App & PC Client:** Download the compatible mobile application (e.g., iVMS-4200, Hik-Connect) or PC client software for remote access and configuration.

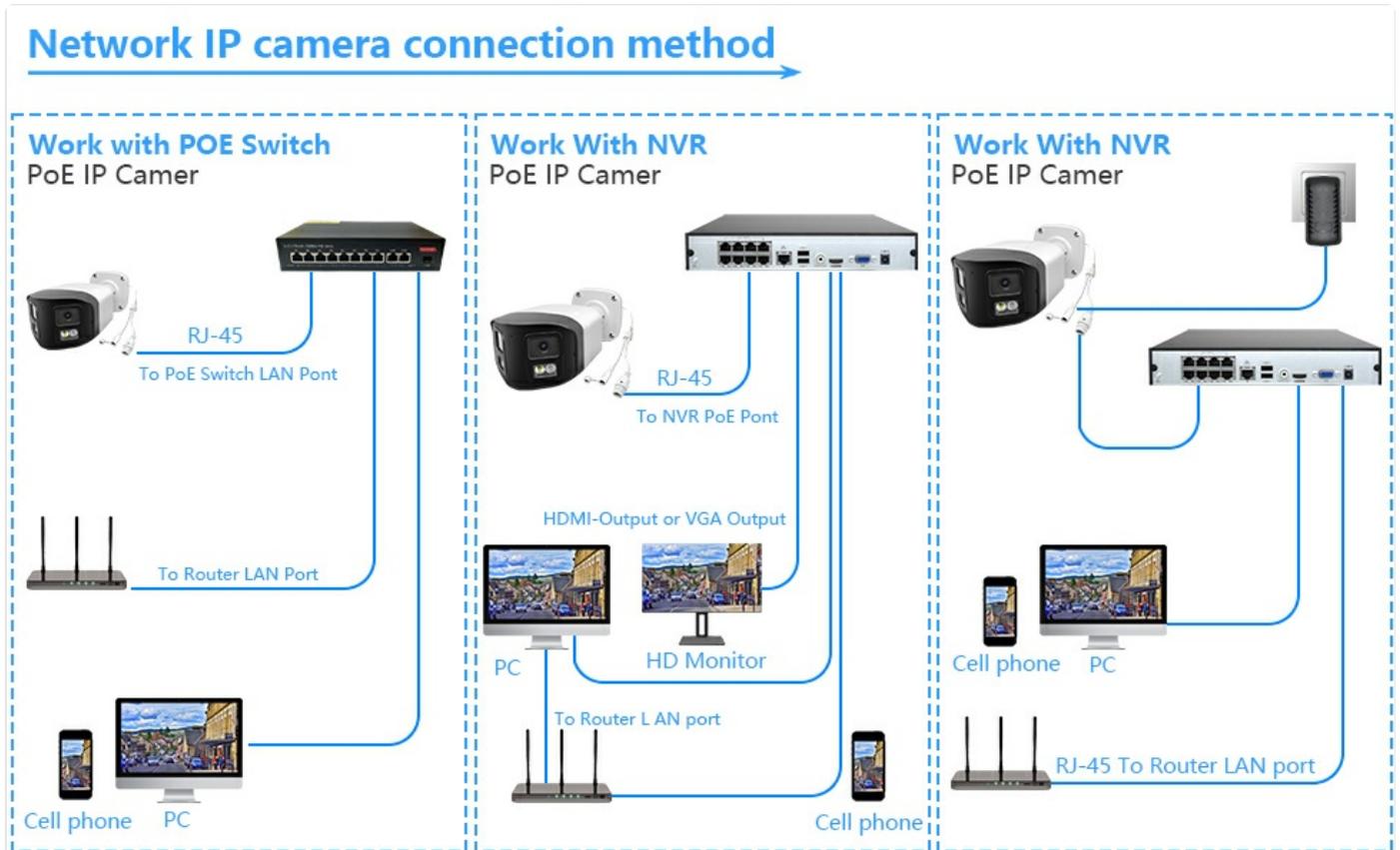


Figure 3: Various connection methods for the IP camera, including PoE switch, NVR, and direct router connection with mobile and PC access.

4. OPERATING INSTRUCTIONS

4.1 Key Features Overview

- **Panoramic Dual Lens:** Equipped with two 1/2.9" progressive scan CMOS sensors and 3.6mm lenses, providing a 180° ultra-wide field of view.
- **2K Excellent Color Night Vision:** Features 4MP resolution (20fps@3840×1080) and full-color technology for enhanced imaging in low-light conditions. H.265+ compression ensures efficient storage.
- **Smart Human/Vehicle Detection:** Utilizes deep learning for accurate human and vehicle identification, reducing false alarms from other moving objects.
- **Two-Way Talk:** Built-in speaker and microphone allow for real-time two-way audio communication. Customize audio alarms to deter intruders.
- **Broad Compatibility:** True Plug & Play with Hik NVR (iVMS-4200, Hik-Connect). Supports ONVIF protocol for compatibility with third-party NVRs (Dahua, Lorex), Blue Iris, iSpy, NAS Storage, PC Client, and Mobile APP remote access. Supports RTMP, RTSP for live streaming.
- **Local Storage:** Built-in SD card slot supports up to 256GB for local recording (Micro SD card not included).
- **Weatherproof Design:** Full metal housing with IP67 rating, suitable for outdoor use in temperatures from -30°C to +85°C.



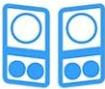
 4MP HD QUALITY	 Intelligent Detection	 Full - Color	 180° Panoramic
 Dual Lens 4MP	 Intelligent Dual Light Source	 Two Way Audio	 Micro TF Card Up To 256G
 Full Color 24 Hours Day	 IP66 Waterproof	 AI Human Vehicle Detection	 PoE Networking

Figure 4: Overview of the camera's key features, including 4MP HD quality, intelligent detection, full-color night vision, 180° panoramic view, two-way audio, and PoE networking.

4.2 Using Two-Way Talk

The integrated speaker and microphone enable real-time two-way communication through the mobile application or PC client. This feature is useful for interacting with visitors or issuing warnings.

1. Open the live view feed in your mobile app or PC client.
2. Locate and tap the microphone icon to speak.
3. Release the microphone icon to listen.
4. You can also set up customized audio alarms for automated warnings.



Figure 5: Demonstration of the two-way talk feature, allowing communication with individuals near the camera.

4.3 Person/Vehicle Detection

The camera's advanced AI can differentiate between humans, vehicles, and other moving objects, significantly reducing false alarms. Notifications can be sent via push video link, email, or FTP.

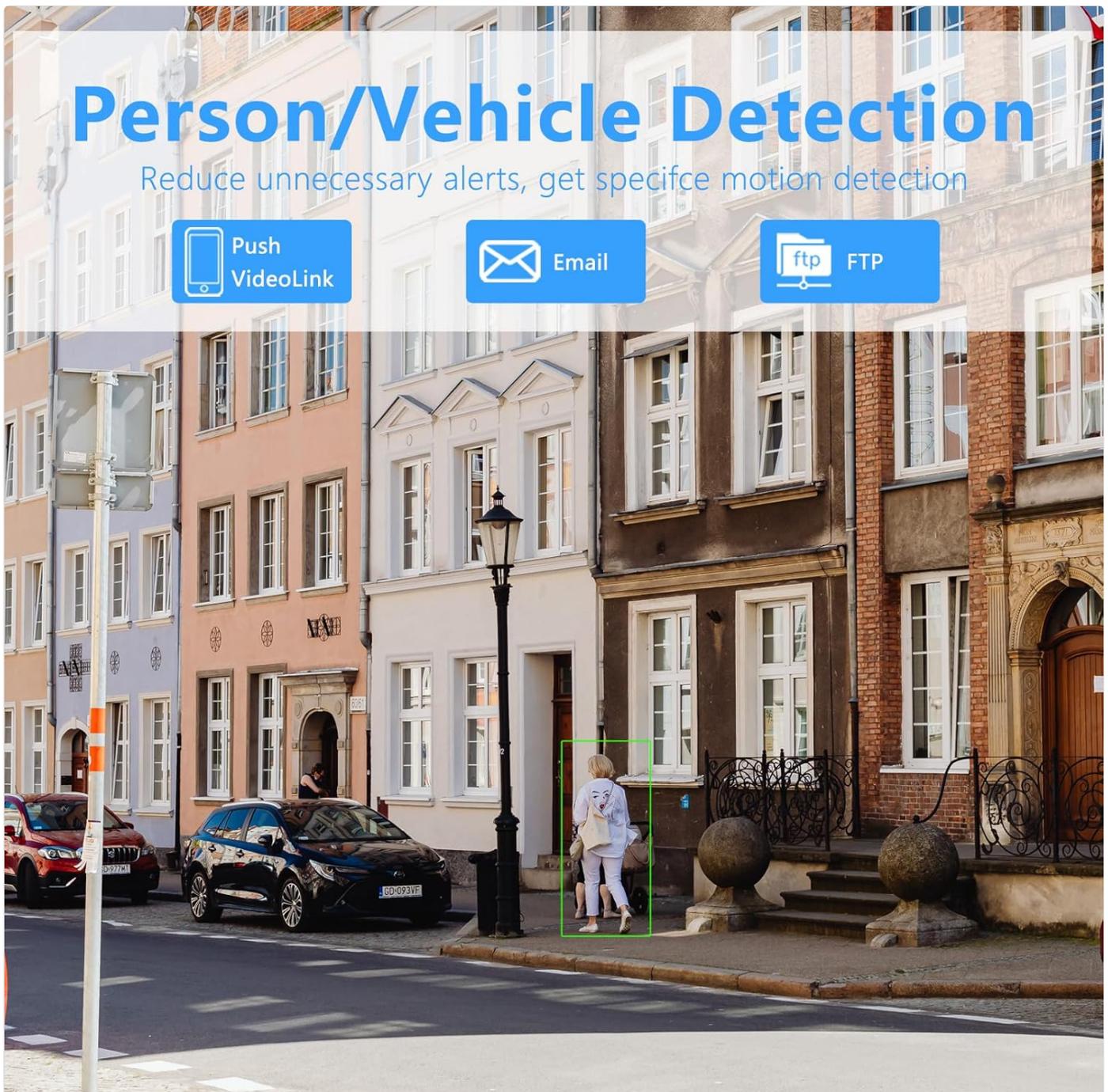


Figure 6: Visual representation of the person/vehicle detection feature, highlighting detected subjects with green boxes.

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Video 2: Demonstration of the 180-degree panoramic dual lens security camera in action, showcasing its wide field of view and detection capabilities.

5. MAINTENANCE

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

- **Cleaning:** Gently wipe the camera lens and housing with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- **Firmware Updates:** Periodically check for firmware updates through the manufacturer's website or the mobile application to ensure the latest features and security patches.
- **Cable Inspection:** Inspect all cables and connections for any signs of wear or damage, especially for outdoor installations.
- **Storage Management:** If using an SD card, regularly back up important footage and format the card to maintain

performance.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your camera.

Problem	Possible Cause	Solution
Camera constantly loses connection.	Network instability, faulty cable, power issue, NVR/router configuration.	<ul style="list-style-type: none">◦ Check Ethernet cable integrity and connections.◦ Ensure stable network connection and sufficient bandwidth.◦ Verify power supply (PoE or 12V adapter).◦ Restart the camera, NVR, and router.◦ Consult your NVR/router manual for network settings.
Image has a purplish tint or color problems.	Sensor malfunction, incorrect white balance settings, environmental factors.	<ul style="list-style-type: none">◦ Check camera settings for white balance or color adjustments.◦ Ensure the lens is clean and free from obstructions.◦ If the issue persists, contact customer support.
No image or video feed.	No power, network issue, incorrect configuration.	<ul style="list-style-type: none">◦ Verify power connection (green LED on cable should be lit).◦ Check network cable and connections.◦ Ensure the camera is properly added and configured in your NVR or software.
Motion detection not working or too many false alarms.	Incorrect sensitivity settings, detection zone not configured.	<ul style="list-style-type: none">◦ Adjust motion detection sensitivity in the camera settings.◦ Define specific detection zones to exclude irrelevant areas.◦ Ensure human/vehicle detection is enabled if desired.

7. SPECIFICATIONS

Feature	Detail
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Feature	Detail
Model	4mp dual lens bullet
Video Capture Resolution	4 MP (Max. Resolution 20fps@3840x1080)
Viewing Angle	180 Degrees
Connectivity Technology	Ethernet (PoE 802.3af supported)
Special Feature	Night vision (Full Color/EXIR2.0), 2-Way Talk, Human Detection
Indoor/Outdoor Usage	Outdoor, Indoor
International Protection Rating	IP67
Operating Temperature	-30°C to +85°C
Local Storage	SD Card Slot (up to 256GB)
Dimensions (L x W x H)	8.5 x 4.3 x 2.9 inches
Item Weight	1.83 pounds
UPC	768531651657

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product or visit the official Inwerang website. Keep your purchase receipt for warranty claims.

For further assistance, you may contact Inwerang customer service through their official channels. Details can typically be found on the product packaging or the manufacturer's website.