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REVODATA I704-3-P-HS

REVODATA 5MP POE IP Camera User Manual

Model: I704-3-P-HS

Your comprehensive guide to installation, operation, and maintenance.

1. Introduction

This manual provides detailed instructions for the REVODATA 5MP POE IP Camera (Model: I704-3-P-HS). This camera is designed for both indoor and outdoor security surveillance, featuring a 5.0-megapixel sensor, 940nm invisible infrared night vision, IP65 waterproof rating, and support for Power over Ethernet (POE).

It utilizes H.265/H.264 encoding for efficient storage and bandwidth usage and includes motion detection capabilities. This guide will assist you with setup, operation, and troubleshooting to ensure optimal performance of your security camera system.

2. Product Overview

2.1 Key Features

- **5MP HD Resolution:** Equipped with a 5.0-megapixel 1/3-inch CMOS sensor, providing clear images and details at 25 frames per second.
- **Invisible Night Vision & IP65 Waterproof:** Features 10 built-in 940nm IR LEDs for invisible night vision in complete darkness. The IP65 waterproof rating ensures reliable operation in various indoor and outdoor weather conditions.
- **POE and DC Power Support:** Integrated POE module (48V 802.3af) simplifies wiring. An auxiliary 12V 2A power interface is also available for non-POE setups.
- **H.265/H.264 Dual Encoding:** Advanced compression technology reduces bandwidth and storage requirements by up to 50% compared to H.264.
- **Motion Detection:** Records only when motion is detected, optimizing storage space.
- **Remote Viewing:** Access live view and playback via the "Linklemo" mobile app (iOS, Android) and VMS software for Windows computers.

2.2 Package Contents

Verify that all items are present in your package:

- 1 x REVODATA 5MP POE IP Camera
- 1 x User Manual
- 1 x Screw Set
- 1 x Waterproof Cap



Figure 2.2.1: Contents of the product package.

3. Setup

3.1 Physical Installation

The REVODATA 5MP POE IP Camera is suitable for both indoor and outdoor installation. It features a ceiling mount design and a rugged metal housing for durability.



Figure 3.1.1: Front view of the camera with its adjustable mounting bracket.

Mounting Steps:

1. Choose a suitable location for installation, ensuring a clear field of view and proximity to an Ethernet cable for POE or a power outlet for DC power.
2. Use the included screw set to securely attach the camera's mounting bracket to the desired surface (e.g., ceiling, wall).
3. Adjust the camera angle using the adjustable mounting bracket to achieve the desired surveillance coverage.

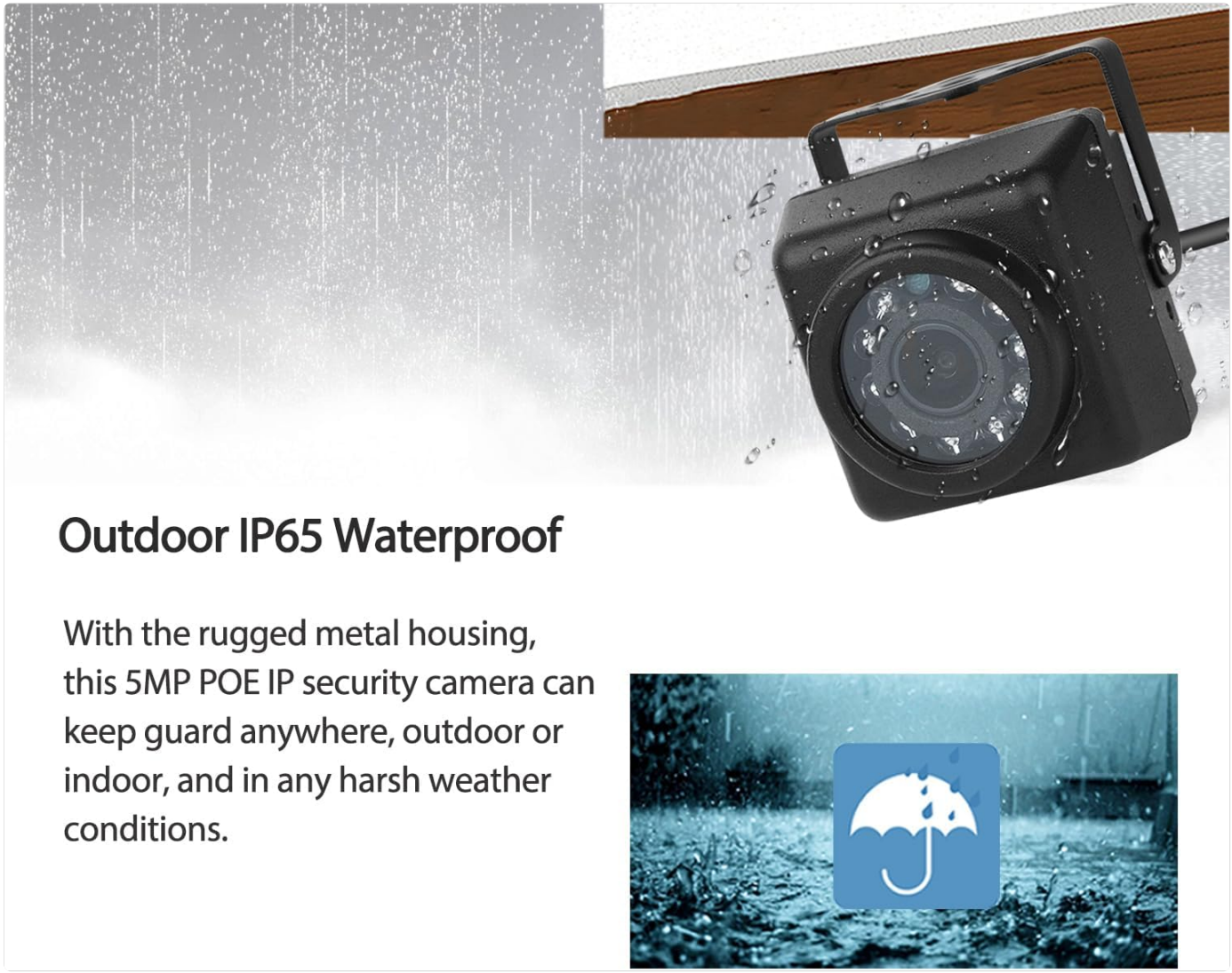


Figure 3.1.2: The camera's IP65 waterproof design allows for outdoor installation.

3.2 Power and Network Connection

The camera supports two power options: Power over Ethernet (POE) or a standard DC power supply.

- **POE Connection:** Connect an Ethernet cable from a POE-enabled switch or NVR directly to the camera's RJ45 port. This provides both power and data through a single cable.
- **DC Power Connection:** If POE is not available, connect a 12V 2A DC power adapter (not included) to the camera's auxiliary power interface. Then, connect an Ethernet cable from your router or switch to the camera's RJ45 port for data transmission.

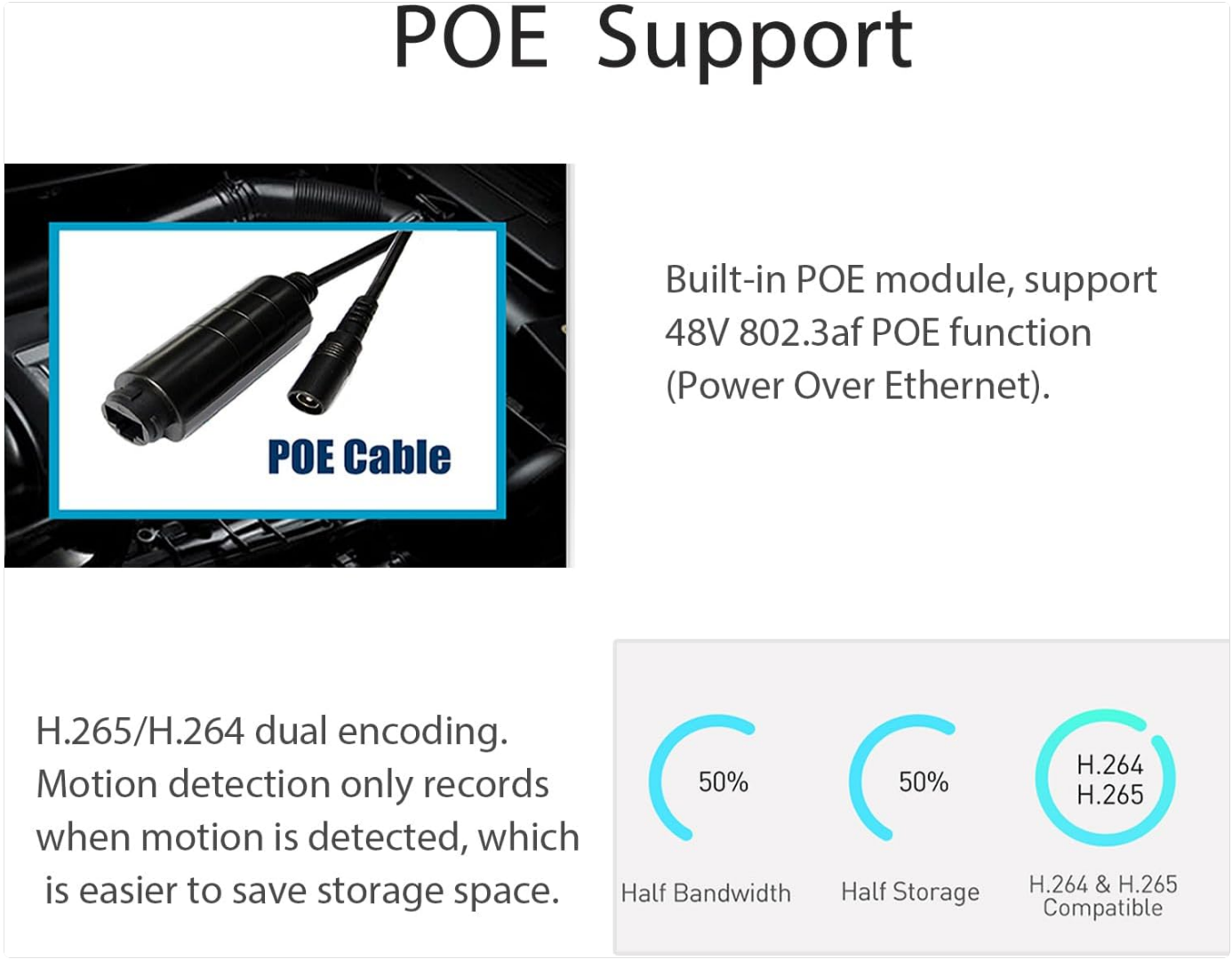


Figure 3.2.1: POE connection setup, simplifying wiring.

Important Note: This product does not include a power unit. If not using POE, a separate 12V 2A power supply is required.

3.3 Initial Network Configuration

Upon initial connection, the camera is typically configured for DHCP, meaning it will automatically obtain an IP address from your network router. For advanced setups or NVR integration, you may need to assign a static IP address.

Default Login Credentials: The default login for the camera's web interface is often**admin**/**123456**. It is highly recommended to change these credentials immediately after initial setup for security purposes.

To find and change the camera's IP address, you may need to use a dedicated tool like the "IPC Batch Tool" (available from the manufacturer's website or similar resources). Be prepared to adjust your network IP settings temporarily to access the camera's configuration interface if it's outside your current network's subnet.

4. Operating Instructions

4.1 Remote Viewing via Linklemo App and VMS Software

The REVODATA camera supports remote viewing and playback through the "Linklemo" mobile application (for iOS and Android devices) and VMS software (for Windows computers).

1. **Download and Install:** Download the "Linklemo" app from your mobile device's app store or the VMS software from the manufacturer's website.

2. **Add Device:** Follow the in-app/software instructions to add your camera. This typically involves scanning a QR code on the camera or manually entering its device ID and network information.
3. **Live View and Playback:** Once connected, you can access live video feeds, review recorded footage, and configure camera settings remotely.



Figure 4.1.1: Remote viewing options via Linklemo app and VMS software.

Note: This device does not support Cloud Storage. Do not purchase Cloud Storage from the "Linklemo" app.

4.2 Motion Detection

The camera features intelligent motion detection, which can trigger recording and send alarm messages to your phone.

1. **Enable Motion Detection:** Access the camera settings through the Linklemo app or VMS software. Locate the motion detection settings.
2. **Configure Detection Area:** Define specific areas within the camera's view where motion should be detected.
3. **Set Sensitivity:** Adjust the sensitivity level to minimize false alarms.
4. **Notification Settings:** Ensure push notifications are enabled in the app to receive alerts when motion is detected.



Figure 4.2.1: Motion detection alarm notification on a mobile device.

4.3 Night Vision

The camera is equipped with 10 invisible 940nm IR LEDs, providing clear surveillance in completely dark environments without emitting visible red light.

- **Automatic Activation:** The camera automatically switches from color to black and white mode and activates the IR LEDs when ambient light levels drop below a certain threshold.
- **Invisible Illumination:** The 940nm infrared light is not visible to the naked eye, making the camera discreet during night operation.



Figure 4.3.1: Demonstration of the camera's IR night vision capabilities.



Figure 4.3.2: Day and Night view comparison.

4.4 Video Encoding (H.265/H.264)

The camera supports both H.265 and H.264 video compression standards. H.265 offers superior compression efficiency, requiring less bandwidth and storage space for the same video quality.

- **H.265 Advantage:** When enabled, H.265 can reduce bandwidth and storage consumption by approximately 50% compared to H.264.
- **Compatibility:** Ensure your NVR or viewing software supports H.265 for optimal performance. If not, the camera can operate in H.264 mode.

5. Maintenance

Regular maintenance ensures the longevity and optimal performance of your REVODATA IP Camera.

- **Cleaning:** Periodically clean the camera lens and housing with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the lens or finish.
- **Waterproof Seal Check:** For outdoor installations, regularly inspect the waterproof cap and any cable connections to ensure they are secure and free from damage. While the camera is IP65 rated, prolonged exposure to harsh conditions or improper installation can compromise seals.
- **Firmware Updates:** Check the manufacturer's website periodically for firmware updates. Updates can improve performance, add features, or address security vulnerabilities. Follow the provided instructions carefully when performing updates.

6. Troubleshooting

This section addresses common issues you might encounter with your REVODATA IP Camera.

Problem	Possible Cause	Solution
Camera not powering on / No indicator lights.	No power, faulty cable, or camera malfunction.	Verify POE switch/injector is active or 12V 2A DC power adapter is connected and working. Check Ethernet cable for damage and ensure it's securely connected. If using POE, ensure your switch supports 802.3af.
Cannot access camera via web interface or app.	Incorrect IP address, network configuration issues, or firewall blocking.	Ensure camera is powered on and connected to the network. Use an IP scanner tool or the "IPC Batch Tool" to find the camera's IP address. Verify your computer/device is on the same network subnet as the camera. Check firewall settings on your computer/router. Try resetting the camera to factory defaults (if a reset button is available, consult the full manual).
RTSP/ONVIF stream not working or unsupported format.	Incorrect RTSP URL, ONVIF settings, or client incompatibility.	Consult the camera's web interface for the correct RTSP URL format. Ensure ONVIF is enabled in the camera's settings. Verify your NVR/client software supports the camera's video encoding (H.264/H.265). Try setting the camera to H.264 if H.265 causes issues with your NVR.

Problem	Possible Cause	Solution
Linklemo app crashes frequently.	App bug, outdated app version, or device incompatibility.	Ensure your Linklemo app is updated to the latest version. Clear the app's cache and data, then restart the app. Reinstall the app if issues persist. Check if your mobile device's operating system is compatible with the app.
Clicking sound from camera (especially at night).	Normal operation of the IR-cut filter.	This is typically the sound of the IR-cut filter engaging or disengaging as the camera switches between day and night modes. This is normal and indicates proper function.
Water ingress/moisture inside camera (outdoor use).	Compromised waterproof seal or improper installation.	Ensure all screws are tightened and the waterproof cap is securely installed over the Ethernet connection. Inspect the rubber gasket for any damage or misalignment. If water has entered, disconnect power immediately and allow the camera to dry completely before attempting to power it on again. Contact support if damage persists.

7. Specifications

Feature	Detail
Model Name	I704-3-P-HS
Resolution	5MP (2560 x 1920 pixels)
Image Sensor	1/3-inch CMOS
Lens	3.6mm
Frame Rate	25fps
Night Vision	10pcs 940nm Invisible IR LEDs
Waterproof Rating	IP65
Power Supply	POE (48V 802.3af) or DC 12V 2A
Connectivity	Ethernet
Video Encoding	H.265/H.264
Controller Type	Android, iOS, Windows
Mounting Type	Ceiling Mount
Material	Metal
Product Dimensions (L x W x H)	1.77 x 1.77 x 1.97 inches
Item Weight	7.04 ounces

Feature	Detail
Max Shutter Speed	1/25 seconds - 1/100,000 seconds
Video Capture Format	AVI

8. Warranty and Support

For product support, please refer to the manufacturer's official website or contact their customer service. While specific warranty details are not provided in this manual, it is advisable to retain your proof of purchase for any warranty claims.

Extended protection plans may be available for purchase separately. Please check with your retailer for details on available protection plans.

Online Resources:

- REVODATA Store on Amazon: Visit Store

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