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REVODATA I706-4-P

REVODATA 5MP POE IP Mini Camera User Manual

Model: I706-4-P

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your REVODATA 5MP POE IP Mini Camera. Please read this manual thoroughly before using the product to ensure proper setup and functionality. Keep this manual for future reference.



Image 1.1: The REVODATA 5MP POE IP Mini Camera, a compact surveillance device.

2. Important Notes and Safety Information

- This product is powered via Power Over Ethernet (POE). It requires connection to an 802.3AF Standard 48V POE Switch.
- The camera supports 5MP resolution and H.265 compression by default. If your Network Video Recorder (NVR) does not support these specifications, the camera can be configured to 1080P (2MP) and H.264.
- Due to its compact size and POE operation, the camera may generate heat during use. This is normal and safe.
- The camera is designed for indoor usage. It is not water resistant.

3. Package Contents

Verify that all items listed below are included in your package:

- 1 x REVODATA 5MP POE IP Mini Camera
- 1 x User Manual (this document)
- 1 x Screws Set for mounting

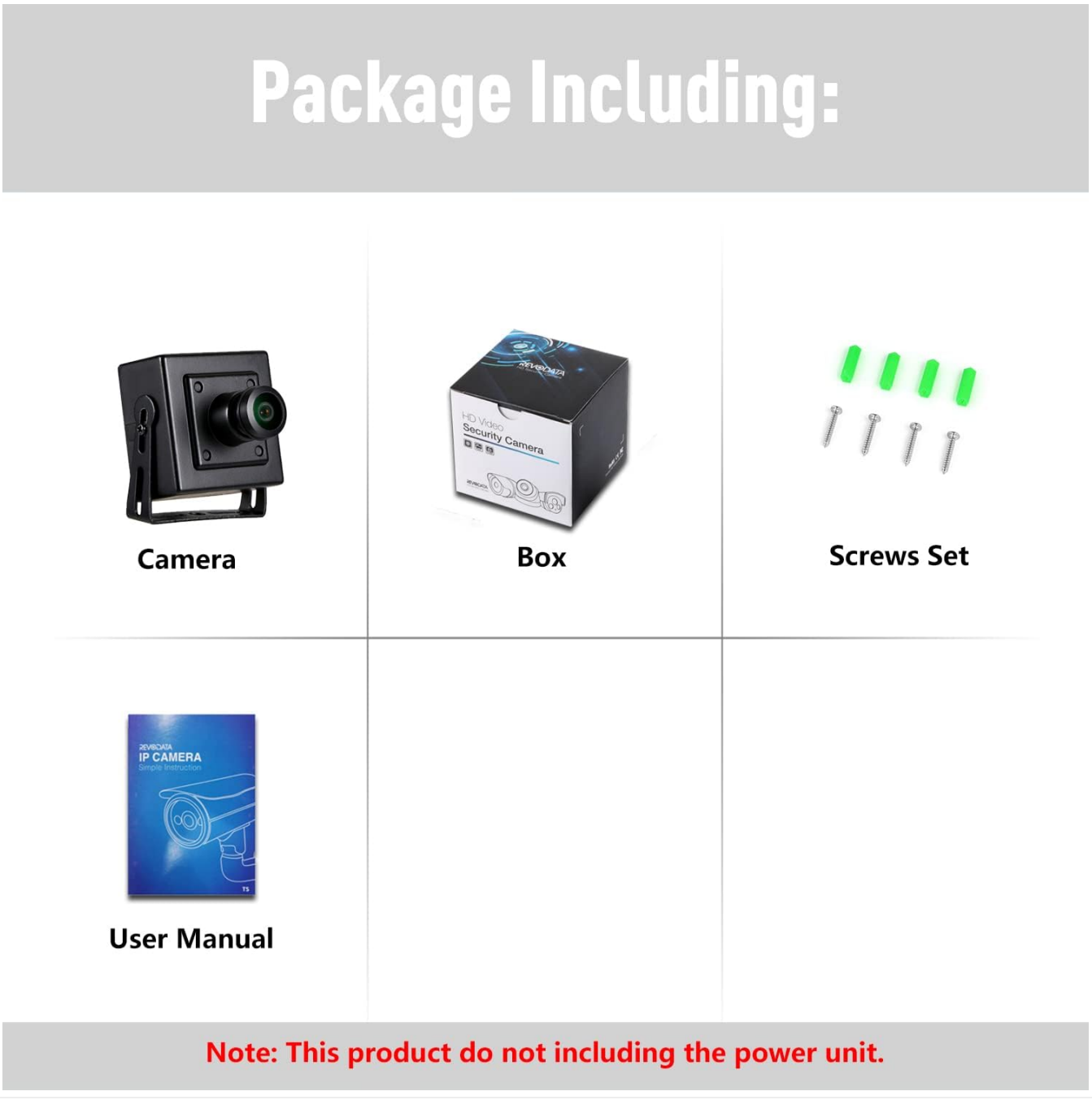


Image 3.1: Contents included in the product package: camera, user manual, and screw set.

4. Product Overview

The REVODATA 5MP POE IP Mini Camera is a compact surveillance solution featuring a 1.44mm fisheye lens for a wide 180° field of view. It supports 5MP Ultra HD resolution and H.265 video compression for efficient storage and bandwidth usage.

Key Features:

- **High Resolution:** 5.0 Megapixel (2880 x 1620P) at 20 fps.
- **POE Support:** Standard 48V POE 802.3af for simplified installation with a single Ethernet cable.
- **Flexible Power:** Auxiliary power connector for optional 12V/2A power adapter (not included).
- **Wide Angle Lens:** 1.44mm fisheye lens provides a 180° field of view.
- **Efficient Compression:** Supports both H.265 and H.264 encoding.
- **Remote Access:** P2P remote viewing via smartphone (TSEYE app) and PC (VMS software).

- **Motion Detection:** Email alarm function for detected motion.
- **Durable Construction:** Metal material shell.



Image 4.1: Overview of the camera's key features including 5MP resolution, POE, 1.44mm fisheye lens, and metal shell.

Camera Components and Dimensions:



Image 4.2: Detailed view of the camera's dimensions (5.3cm x 4.5cm x 4cm) and connection ports (RJ45 for POE, 12V 2A power port).

5. Setup

5.1 Power and Network Connection

1. **POE Connection:** Connect a Cat5/6 Ethernet cable from your 802.3AF Standard 48V POE Switch to the RJ-45 port on the camera. This single cable will provide both power and network connectivity.
2. **Optional DC Power:** If not using POE, connect a 12V/2A DC power adapter (not included) to the auxiliary power connector. Then, connect an Ethernet cable from your router/switch to the RJ-45 port for network access.

5.2 Mounting the Camera

The camera features an adjustable mounting bracket and screw holes for secure installation. Choose a suitable indoor location, such as a ceiling, for optimal coverage.

1. Mark the desired mounting position on the surface.

2. Drill pilot holes if necessary, matching the screw holes on the mounting bracket.
3. Secure the camera using the provided screws.
4. Adjust the camera's angle using the bracket to achieve the desired field of view.

5.3 Initial Network Configuration

The camera's default IP address is 192.168.1.108. It also supports Dynamic Host Configuration Protocol (DHCP) for automatic IP assignment.

1. Ensure your computer is on the same network segment as the camera for initial setup if using the default static IP.
2. Use the provided VMS software (for Windows) to discover the camera on your network and configure its settings, including changing the IP address if needed.

6. Operating the Camera

6.1 Accessing the Camera

The camera can be accessed via a web browser or dedicated applications.

- **Web Browser:** Open a web browser (IE8.0+, Edge, Chrome, Firefox, Safari) and enter the camera's IP address. Log in with the default credentials (refer to the camera's packaging or initial setup guide for these).
- **Smartphone App:** Download and install the 'TSEYE' app from your smartphone's app store (available for iPhone and Android). Follow the in-app instructions to add and view your camera.



Image 6.1: Screenshot of the TSEYE smartphone application interface, showing camera live view and control options.

- **PC Software:** Use the VMS (Video Monitor System) software for Windows to manage multiple cameras, view live feeds, and access recordings.



Image 6.2: Screenshot of the VMS software interface on a PC, displaying a live camera feed.

6.2 Motion Detection and Email Alarm

The camera supports motion detection with email alarm functionality.

1. Access the camera's settings via the web interface or VMS software.
2. Navigate to the 'Smart Alarm' or 'Motion Detection' section.
3. Enable motion detection and configure the detection area and sensitivity.
4. Set up email alarm notifications by entering your SMTP server details and recipient email addresses.



Image 6.3: Illustration of the motion detection feature, showing an alarm notification on a smartphone when motion is detected.

6.3 Day and Night Vision

The camera provides clear video footage in both day and night conditions, automatically adjusting to ambient light levels.

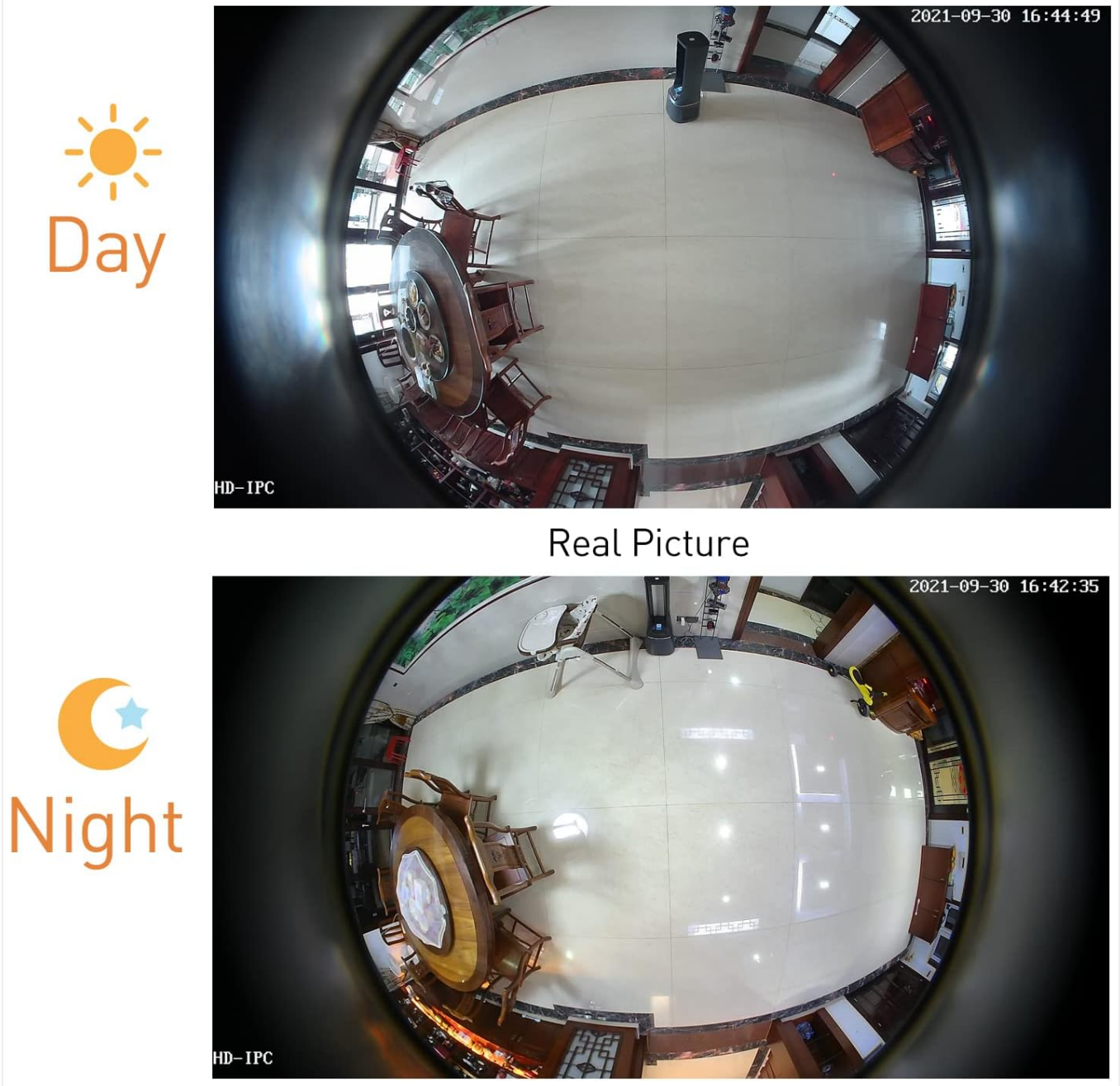


Image 6.4: Comparison of the camera's video output during daytime and nighttime conditions, demonstrating its low-light capabilities.

7. Maintenance

- **Cleaning:** Gently wipe the camera lens and body with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.
- **Firmware Updates:** Periodically check the manufacturer's website for firmware updates to ensure optimal performance and security.
- **Environmental Conditions:** Ensure the camera operates within the specified temperature and humidity ranges to prevent damage.

8. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Camera not powering on.	No power from POE switch or DC adapter. Faulty cable.	Verify POE switch is active and 802.3AF compliant. Check DC adapter connection and power source. Test with a different Ethernet cable.
Cannot access camera via IP address.	Incorrect IP address. Network connectivity issue. Firewall blocking access.	Ensure correct IP address (default 192.168.1.108). Check network cable connection. Temporarily disable firewall on PC. Use VMS software to discover camera.
Poor video quality or no image.	Lens obstruction. Incorrect resolution/compression settings. Network bandwidth issues.	Clean the lens. Adjust camera resolution to 1080P (2MP) and H.264 if NVR does not support 5MP/H.265. Check network load.
Motion detection not working.	Motion detection not enabled or configured incorrectly. Email settings incorrect.	Verify motion detection is enabled and sensitivity/area are set correctly in camera settings. Double-check SMTP server and recipient email settings.

9. Specifications

Feature	Detail
Model	I706-4-P-TS
Resolution	5.0 Megapixel (2880 x 1620P)
Image Sensor	1/3" CMOS Sensor (FH8852V200+SC401AI)
Min Illumination	0.1Lux @(F1.2,AGC ON)
Frame Rate	20fps
Lens	1.44mm Fisheye Lens (180° FOV)
Lens Interface Type	M12
Shutter Speed	1/25 seconds - 1/100,000 seconds
Compression Format	H.265/H.264
Storage	NVR or Computer
IP Address	Static (Default 192.168.1.108) / Dynamic
Smart Alarm	Motion detection, Email alarm
Supported Protocols	HTTP, TCP/IP, RTSP, RTP, UPNP, SMTP, DHCP, DDNS, DNS, FTP, NTP
Ethernet	10M/100M mbps Ethernet (RJ-45)
Operating Temperature	-25°C ~ 60°C
Operating Humidity	10% ~ 90%

Feature	Detail
Power Supply	POE (802.3AF Standard 48V) or 12V/2A DC (adapter not included)
Dimensions (L x W x H)	5.3cm x 4.5cm x 4cm (2.09 x 1.77 x 1.57 inches)
Weight	0.2kg (8.8 ounces)
Material	Metal
Indoor/Outdoor Usage	Indoor
Water Resistance Level	Not Water Resistant

10. Warranty and Support

For warranty information and technical support, please refer to the official REVODATA website or contact their customer service directly. Details can typically be found on the product packaging or the manufacturer's official online resources.

App Support: The 'TSEYE' app is available for smartphones. VMS software is available for Windows operating systems (not compatible with MAC OS or Linux).

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