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REVODATA I704-3-P-TS

REVODATA 5MP Mini POE IP Camera Instruction Manual

Model: I704-3-P-TS

1. Introduction

Thank you for choosing the REVODATA 5MP Mini POE IP Camera. This camera is designed to provide high-quality surveillance with its Ultra HD 2880 x 1620 resolution and advanced features like 940nm IR night vision and motion detection. Its IP65 weatherproof rating ensures reliable performance for both indoor and outdoor environments. This manual provides detailed instructions for the proper installation, operation, and maintenance of your camera.

2. Safety Information

- Read all instructions carefully before installation and operation.
- Use only the specified power supply (48V PoE 802.3af or 12V/2A DC adapter).
- Do not expose the camera to extreme temperatures outside its operating range (-25°C to 60°C / -13°F to 140°F).
- Ensure all cable connections are secure and waterproof, especially for outdoor installations.
- Avoid pointing the camera directly at strong light sources for extended periods, as this may damage the image sensor.
- Do not attempt to disassemble or modify the camera. This will void the warranty.
- Keep the camera away from strong magnetic fields.

3. Package Contents

Please check the package contents to ensure all items are present and in good condition:

- REVODATA 5MP Mini POE IP Camera (I704-3-P-TS Metal)
- Mounting Screws and Wall Plugs
- Quick Start Guide (this manual)



Front view of the REVODATA HD Security Camera packaging box.



Side view of the REVODATA HD Security Camera packaging box.



Bottom view of the REVODATA HD Security Camera packaging box.



Back view of the REVODATA HD Security Camera packaging box, showing technical details and certifications.

4. Product Overview

The REVODATA 5MP Mini POE IP Camera is a compact and robust surveillance solution. It features a durable aluminum housing and is designed for easy installation.



Front view of the REVODATA 5MP Mini POE IP Camera, highlighting its compact size and the ability to view live feed on a smartphone.



Key features of the REVODATA 5MP Mini POE IP Camera, including 4K Ultra HD resolution, PoE support, H.265 compression, smart motion detection, Onvif/RTSP compatibility, and IP67 waterproof rating.



Detailed breakdown of the camera's physical components, including the lens, IR LEDs, housing material, mounting bracket, and connectivity ports (PoE RJ45 and DC 12V).

Key Features:

- **Ultra HD 5MP Resolution:** Captures clear and smooth 2880 x 1620P video at 20 frames per second.
- **IP65 Weatherproof:** Suitable for both indoor and outdoor use, providing reliable performance in various weather

conditions.

- **48V PoE 802.3af Standard:** Simplifies installation by allowing power and data transmission over a single Cat5/6 Ethernet cable.
- **Auxiliary Power Connector:** Supports 12V/2A power adapter connection for flexible power options.
- **Invisible 940nm IR Night Vision:** Equipped with 10 PCS IR LEDs for clear vision in low light and total darkness, invisible to the human eye.
- **Compact Design:** Small size (6 x 4.5 x 6 cm, 0.2kg) allows for discreet placement.
- **H.265 Encoding:** Efficient video compression saves bandwidth and storage space compared to H.264.
- **Wide Compatibility:** Works with most Network Video Recorders (NVRs) on the market.
- **Motion Detection:** Sends alarm notifications to your smartphone upon detecting movement.

5. Setup

5.1 Mounting the Camera

1. Choose a suitable location for installation, considering the desired viewing angle and proximity to a PoE switch or power outlet.
2. Use the included mounting screws and wall plugs to securely attach the camera's wall-mount bracket to the desired surface. Ensure the surface can support the camera's weight.
3. Attach the camera to the mounted bracket and adjust its angle for optimal coverage.

5.2 Powering the Camera

The camera offers two power options:

- **Power over Ethernet (PoE):** Connect a Cat5/6 Ethernet cable from a PoE switch or PoE NVR directly to the camera's 48V PoE RJ45 port. This single cable provides both power and data.
- **DC Power Adapter:** If PoE is not available, connect a 12V/2A DC power adapter (not included) to the camera's extra DC 12V port. Then, connect an Ethernet cable from your router or NVR to the camera's RJ45 port for data transmission.

5.3 Network Connection

After powering the camera, connect it to your network via the RJ45 Ethernet port. For initial setup, it is recommended to connect the camera to the same local network as your computer or smartphone.

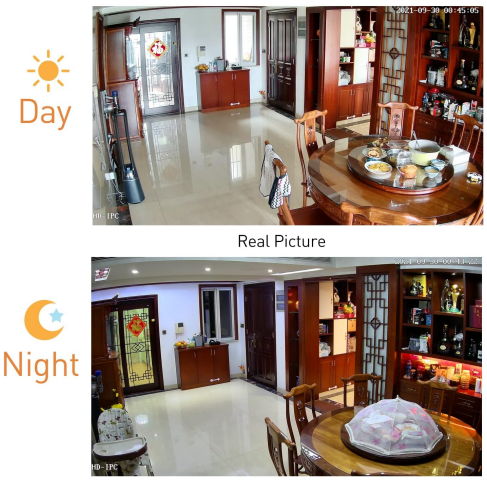
6. Operating the Camera

6.1 Accessing the Camera Feed

The REVODATA camera can be accessed via smartphone, NVR, or PC.

6.1.1 Smartphone App (TSEYE)

For smartphone access, download the "TSEYE" app from your device's app store. Follow the in-app instructions to add your camera. This typically involves scanning a QR code on the camera or manually entering its device ID.



Smartphone screens displaying the TSEYE app interface, showing options for intercom, monitor, video, screenshot, and setup, along with multi-screen viewing.

6.1.2 PC Software (VMS)

For PC access, use the VMS software provided by REVODATA. This software is compatible with Windows operating systems.
Note: This software is not compatible with macOS or Linux.



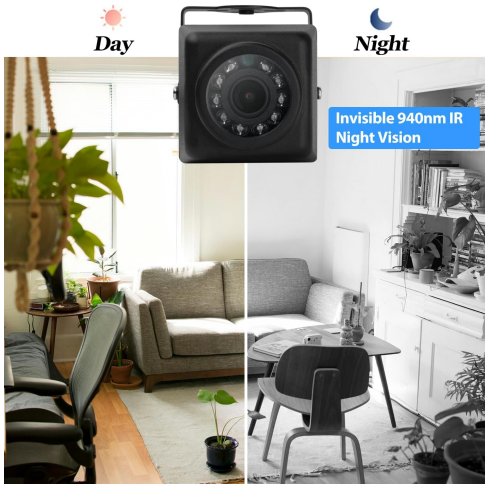
A computer monitor displaying the VMS software interface, showing a live feed from the security camera.

6.1.3 NVR Connection

The camera is compatible with most NVRs on the market. Refer to your NVR's manual for instructions on adding IP cameras. The camera supports ONVIF/RTSP protocols for broad compatibility.

6.2 Motion Detection

The camera features smart motion detection. Once motion is detected, an alarm notification will be sent to your connected smartphone via the TSEYE app. You can configure motion detection zones and sensitivity settings within the app or VMS software.



An illustration of the motion detection feature, showing an alarm notification on a smartphone and a person running, triggering the detection.



The human detection feature in action, highlighting the camera's ability to identify human figures and send notifications.

6.3 Night Vision

The camera is equipped with invisible 940nm IR LEDs, providing clear night vision up to 10 meters in complete darkness. The camera automatically switches between day and night modes based on ambient light conditions.



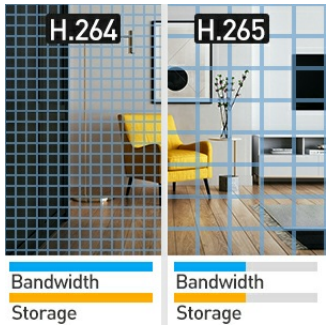
A split image demonstrating the camera's day and invisible 940nm IR night vision capabilities in an indoor setting.



Comparison of day and night footage from the camera in a living room environment, showcasing the clarity of the night vision.

6.4 H.265 Encoding

The camera utilizes H.265 video encoding, which significantly reduces bandwidth and storage requirements while maintaining high image quality. This allows for more efficient recording and smoother streaming.



Visual comparison illustrating how H.265 encoding reduces bandwidth and storage needs compared to H.264.

7. Maintenance

Regular maintenance ensures optimal performance and longevity of your camera.

- **Cleaning:** Gently wipe the camera lens and housing with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Firmware Updates:** Periodically check the REVODATA official website or TSEYE app for available firmware updates to ensure your camera has the latest features and security enhancements.
- **Cable Inspection:** For outdoor installations, regularly inspect the Ethernet cable and power connections for any signs of wear, damage, or water ingress.

8. Troubleshooting

If you encounter issues with your camera, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Camera not powering on	No power supply; faulty cable; PoE issue	Check power connection (PoE switch or 12V adapter). Ensure Ethernet cable is properly connected and PoE is active. Try a different cable or power source.

Problem	Possible Cause	Solution
No video feed	Network connectivity issue; incorrect IP settings; camera offline	Verify network cable connection. Ensure camera is on the same network as your viewing device. Check camera's IP address and network settings. Restart camera and router/NVR.
Poor image quality	Dirty lens; low light conditions; network bandwidth issues	Clean the camera lens. Ensure sufficient lighting for day mode. Check network bandwidth if streaming is choppy.
Motion detection not working	Settings not configured; sensitivity too low; network issues	Check motion detection settings in the TSEYE app or VMS software. Adjust sensitivity and detection zones. Ensure camera is online and connected to the app.
Night vision not clear	IR LEDs obstructed; reflective surfaces nearby	Ensure nothing is blocking the IR LEDs. Reposition the camera if reflective surfaces (e.g., windows, shiny walls) are causing glare.

9. Specifications

Detailed technical specifications for the REVODATA 5MP Mini POE IP Camera:

Feature	Specification
Model Name	I704-3-P-TS
Effective Video Resolution	5 Megapixels (2880 x 1620P)
Frame Rate	20 frames per second
Image Sensor	CMOS 1/3"
Lens	3.6mm
Viewing Angle	75 Degrees
Night Vision	Invisible 940nm IR LED (10 PCS)
Night Vision Range	10 Meters
Indoor/Outdoor Usage	Indoor, Outdoor
Weatherproof Rating	IP65
Power Source	Corded Electric (48V PoE 802.3af or 12V/2A DC)
Connectivity Technology	Wired (Ethernet)
Video Compression	H.265
Material	Metal (Aluminum Housing)
Operating Temperature	-25°C to 60°C (-13°F to 140°F)

Feature	Specification
Product Dimensions	2.36 x 1.77 x 1.97 inches (6 x 4.5 x 5 cm)
Item Weight	0.3 Kilograms (10.6 ounces)
Mounting Type	Wall Mount
Recommended Uses	Indoor Security, Outdoor Security

10. Warranty and Support

REVODATA is committed to providing high-quality products and customer satisfaction. For warranty information and technical support, please refer to the official REVODATA website or contact their customer service directly.
Dedicated technical support is available to ensure a smooth and enhanced user experience. Please have your product model number (I704-3-P-TS) and purchase details ready when contacting support.
Visit the REVODATA Store: https://www.amazon.com/stores/REVODATA/page/D9C334AF-973A-44A7-B270-023D91C1934F

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