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REVODATA I708-P-TS-RD

REVODATA 5MP POE IP Camera Instruction Manual

Model: I708-P-TS-RD

Overview Safety Information Package Contents Setup Operation Maintenance Troubleshooting Specifications Warranty & Support

1. Product Overview

The REVODATA 5MP POE IP Camera (Model I708-P-TS-RD) is a compact, high-resolution security camera designed for indoor surveillance. It features a 5.0-megapixel CMOS sensor, delivering UltraHD 2880x1620P video at 20 frames per second, ensuring clear and detailed imagery. This camera supports both 48V POE (Power Over Ethernet) and DC 12V power options, offering flexible installation. Its 940nm invisible IR LEDs provide discreet night vision up to 10 meters, making it ideal for monitoring pets, babies, or general home security without visible light emission. The durable metal casing ensures longevity, and its mini size allows for discreet placement.



Figure 1.1: REVODATA 5MP POE IP Camera and its application in monitoring.

Key Features:

- **UltraHD 5MP Resolution:** 2880x1620P at 20fps for clear video.
- **POE (Power Over Ethernet) Support:** Simplifies installation with a single Cat5/6 cable for power and data.
- **Invisible 940nm IR Night Vision:** 10pcs 940nm LEDs provide discreet night vision up to 10 meters without visible red glow.
- **Motion Detection:** Smart motion detection with alarm notifications to your smartphone.
- **Compact Metal Design:** Small dimensions (4.1 x 4.1 x 5.3 cm) and durable metal shell for discreet and robust placement.
- **Remote Viewing:** P2P remote viewing via "TSEYE" smartphone app (iOS/Android) and VMS software for Windows.
- **H.265/H.264 Encoding:** Efficient video compression.



Figure 1.2: Key features of the REVODATA 5MP POE IP Camera.

2. Safety Information

Please read and understand all safety instructions before using this product. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Indoor Use Only:** This camera is designed for indoor use. Do not expose it to rain, moisture, or extreme environmental conditions.
- **Power Source:** Use only the specified power sources (48V POE 802.3af or DC 12V/2A adapter). Using an incorrect power source may damage the device and void the warranty.
- **Ventilation:** Ensure proper ventilation around the camera. Do not block any ventilation openings.
- **Cleaning:** Disconnect power before cleaning. Use a dry, soft cloth. Do not use liquid cleaners or aerosol cleaners.
- **Installation:** Install the camera securely to prevent it from falling. Ensure all cables are routed safely to avoid tripping hazards or damage.
- **Temperature and Humidity:** Operate the camera within the specified temperature range (-25°C to 60°C) and

humidity (10% to 90%).

- **Disassembly:** Do not attempt to disassemble or modify the camera. Refer all servicing to qualified personnel.

3. Package Contents

Carefully unpack the box and ensure all items listed below are present and in good condition. If any items are missing or damaged, please contact your retailer.

- REVODATA 5MP POE IP Camera (Model I708-P-TS-RD) x 1
- User Manual x 1
- Screw Set x 1

Note: The power unit (DC 12V/2A adapter or POE switch) is not included and must be purchased separately.



Figure 3.1: Included items in the package.

4. Setup Guide

4.1. Physical Installation

1. **Choose a Location:** Select an indoor location that provides the desired viewing angle and is within reach of a network cable (for POE) or a power outlet and network cable (for DC 12V).
2. **Mounting:**
    - Use the included screw set to securely mount the camera to a wall or ceiling. The camera features a mounting bracket with screw holes.
    - Ensure the mounting surface is strong enough to support the camera's weight.
3. **Connect Power and Network:**
    - **POE Connection:** Connect a Cat5/6 Ethernet cable from a 48V 802.3af PoE switch or NVR directly to the camera's PoE LAN port. This single cable provides both power and data.
    - **DC 12V Connection:** If not using PoE, connect a DC 12V/2A power adapter (not included) to the camera's extra power port (DC 5.5x2.1mm). Then, connect an Ethernet cable from your router/switch to the camera's PoE LAN port for network connectivity.

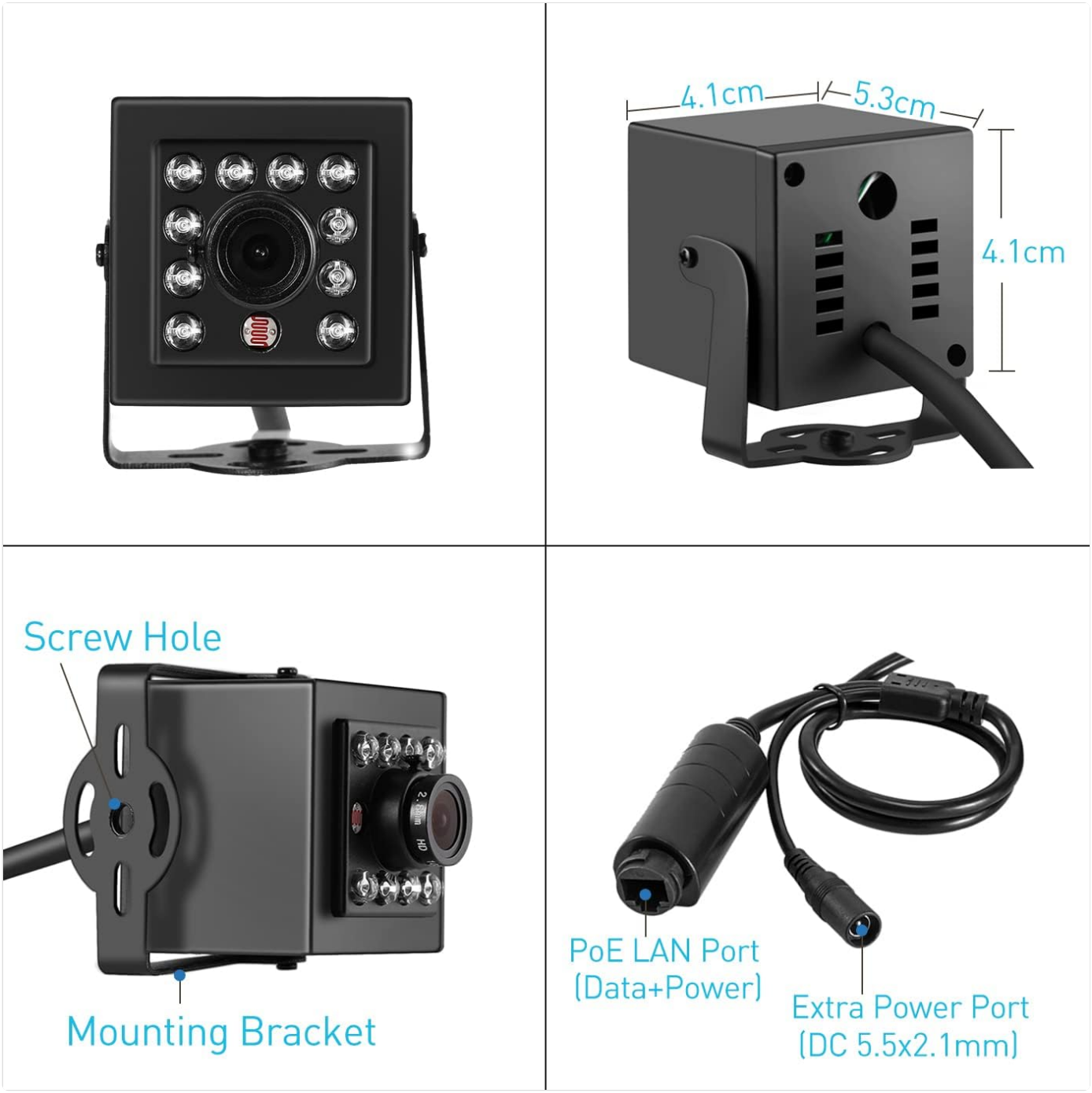


Figure 4.1: Camera dimensions and connection ports.

4.2. Network Configuration and Software Setup

1. **Initial IP Address:** By default, the camera's IP address is static (192.168.1.108). If your network uses a different subnet or dynamic IP assignment, you may need to adjust network settings or use the discovery tool provided by the software.
2. **Smartphone App (TSEYE):**
    - Download the free "TSEYE" app from your smartphone's App Store (iOS) or Google Play Store (Android).
    - Register an account and log in.
    - Follow the in-app instructions to add your camera. This typically involves scanning a QR code on the camera or manually entering its ID/IP address.
3. **PC Software (VMS):**
    - Download the VMS software for Windows from the REVODATA official website or the provided CD (if applicable). Note: VMS software is not compatible with MAC OS or Linux.

- Install the software and follow the instructions to discover and add your camera to the system.

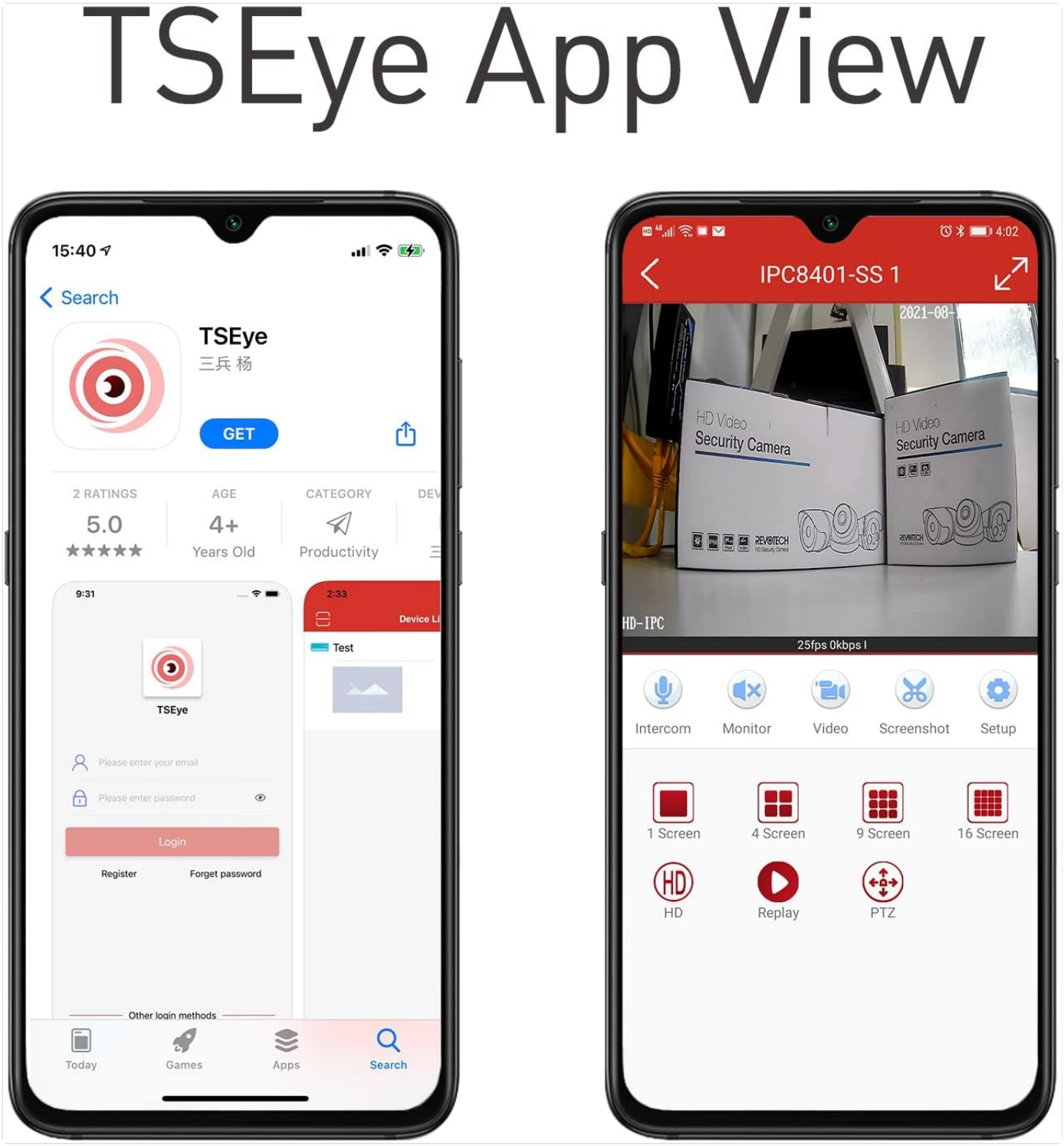


Figure 4.2: TSEYE App interface for smartphone viewing.



Figure 4.3: VMS software interface for PC viewing.

5. Operation

5.1. Live View and Recording

- Once the camera is added to the TSEYE app or VMS software, you can access the live video feed.
- The camera supports 5MP resolution (2880x1620P) for high-quality viewing.
- Recordings can be stored on a connected NVR (Network Video Recorder) or a computer running the VMS software.

5.2. Day and Night Vision

- The camera automatically switches between day (color) and night (black and white) modes based on ambient light conditions.
- The 10pcs 940nm invisible IR LEDs activate in low light, providing clear night vision up to 10 meters without emitting a visible red glow, ensuring discreet surveillance.

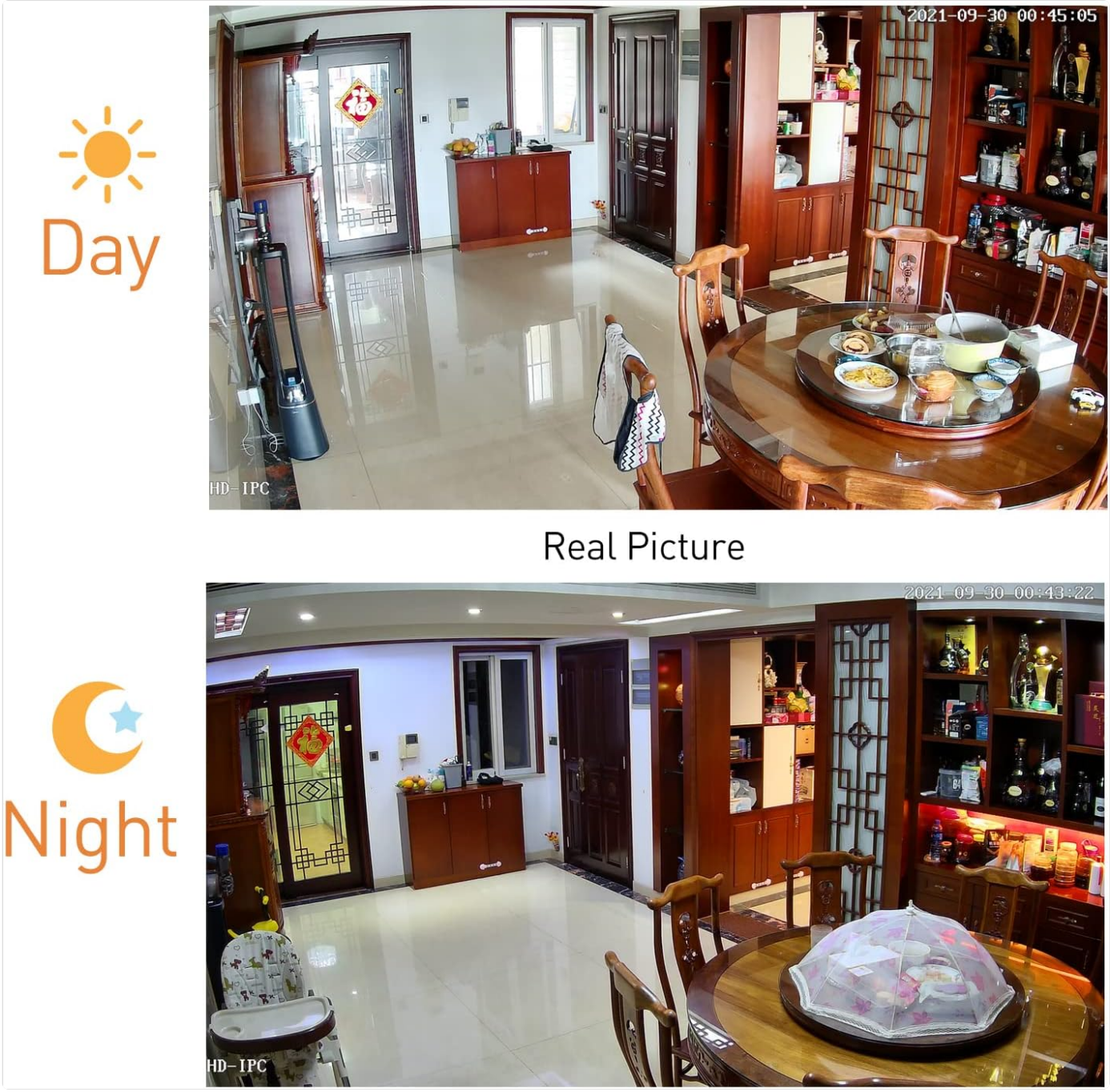


Figure 5.1: Day and Night vision comparison.



Figure 5.2: Explanation of invisible IR night vision.

5.3. Motion Detection and Alarms

- Configure motion detection settings within the TSEYE app or VMS software. You can define detection zones and sensitivity levels.
- When motion is detected, the camera can trigger an alarm notification to your smartphone via the TSEYE app or send an email alarm.



Figure 5.3: Motion detection notification example.

5.4. Advanced Settings

Access the camera's advanced settings through the TSEYE app or VMS software to configure:

- **Video Compression:** H.264 / H.265.
- **Bit Rate:** 128 Kbps~8Mbps.
- **Network Protocols:** HTTP, TCP/IP, RTSP, RTP, UPNP, SMTP, DHCP, DDNS, DNS, FTP, NTP.
- **General Functions:** A-key recovery, dual stream, password protection, video masking.

6. Maintenance

6.1. Cleaning the Camera

- Before cleaning, disconnect the camera from its power source.

- Use a soft, dry, lint-free cloth to wipe the camera body.
- For the lens, use a lens cleaning cloth or a soft brush to gently remove dust. Do not use abrasive cleaners, solvents, or strong detergents, as they may damage the lens or camera finish.

6.2. Environmental Considerations

- Ensure the camera operates within the recommended temperature range of -25°C to 60°C (-13°F to 140°F).
- Maintain humidity levels between 10% and 90% (non-condensing).
- Avoid placing the camera in direct sunlight or near heat sources that could cause overheating.

6.3. Firmware Updates

Periodically check the REVODATA official website or the TSEYE app/VMS software for available firmware updates. Firmware updates can improve performance, add new features, or fix bugs. Follow the provided instructions carefully when performing updates.

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7. Troubleshooting

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

Problem	Possible Cause	Solution
No power/Camera not turning on.	Incorrect power source; Loose connection; Faulty cable/adapter.	Ensure 48V POE or 12V/2A DC power is correctly connected. Check cable integrity. Try a different power source if available.
No video feed/Camera offline.	Network cable issue; Incorrect IP address; Firewall blocking connection; Software not configured correctly.	Verify Ethernet cable connection. Check network settings (IP address, subnet). Disable firewall temporarily for testing. Reconfigure camera in TSEYE/VMS software.
Poor image quality.	Dirty lens; Insufficient lighting; Network bandwidth issues.	Clean the camera lens. Ensure adequate lighting for day mode. Check network speed and reduce video quality settings if necessary.
Motion detection not working.	Sensitivity too low; Detection zone not set; Software settings incorrect.	Adjust motion detection sensitivity. Define or re-check detection zones in the app/software. Ensure alarm notifications are enabled.
Night vision not clear.	IR LEDs obstructed; Distance too far; Ambient light interference.	Ensure nothing is blocking the IR LEDs. The effective range is 5-10m. Minimize external light sources that might interfere with IR activation.

If the problem persists after trying these solutions, please contact REVODATA customer support for further assistance.

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8. Technical Specifications

Feature	Specification
Model	I708-P-TS-RD
Resolution	5.0 Megapixels (2880 x 1620P)

Feature	Specification
Image Sensor	1/3" CMOS (FH8852V310+GC5063)
Minimum Illumination	0.1Lux @(F1.2,AGC ON)
Frame Rate	20fps
Lens	3.6mm (75° FOV)
Day/Night Conversion	Auto
Video Compression	H.264 / H.265
Compression Bit Rate	128 Kbps~8Mbps
Storage Options	NVR or Computer
Default IP Address	Static (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 (RJ-45)
Operating Temperature	-25°C ~ 60°C (-13°F ~ 140°F)
Operating Humidity	10% ~ 90% (non-condensing)
Power Supply	48V POE or DC 12V
POE Standard	802.3af
Infrared Lamp	10PCS 940nm Invisible LED
Night Vision Distance	5-10m (16-33 ft)
Housing Material	Metal
Dimensions (L x W x H)	4.1 x 4.1 x 5.3 cm (1.61 x 1.61 x 2.09 inches)
Weight	0.2 kg (0.44 lbs)
Recommended Use	Baby Monitoring, Pet Monitoring, Indoor Security
Compatible Devices	NVR, PC, Smartphone
Mounting Type	Wall Mount, Ceiling Mount

9. Warranty and Support

9.1. Product Warranty

REVODATA provides a **one-year warranty** for this product from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation.

9.2. Technical Support

REVODATA offers **lifetime technical support** for the I708-P-TS-RD camera. If you encounter any issues or have questions regarding the setup, operation, or troubleshooting of your camera, please utilize the following resources:

- **User Manual:** Refer to this manual for detailed instructions.
- **TSEYE App:** The app may contain FAQs or direct support options.
- **REVODATA Official Website:** Visit the official REVODATA website for updated FAQs, troubleshooting guides, and contact information for technical support.
- **Email Support:** (Specific email address not provided in input, but typically available on manufacturer's website).

When contacting support, please have your product model number (I708-P-TS-RD) and a detailed description of the issue ready.

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