REVODATA I712-POE-TS-SD

User Manual for REVODATA 5MP POE IP Mini Security Camera

Model: I712-POE-TS-SD
Brand: REVODATA

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your REVODATA 5MP POE IP Mini Security Camera (Model: I712-POE-TS-SD). This compact indoor surveillance camera features UltraHD 5MP resolution, Power over Ethernet (POE) support, a 2.8-12mm manual zoom lens, and flexible recording options including a built-in micro SD card slot (up to 256GB). It is designed for reliable indoor monitoring with motion detection capabilities and can be accessed via smartphone applications or PC software.

Image: Overview of the REVODATA 5MP POE Mini IP Camera, showcasing its 5MP HD resolution, built-in SD card slot, motion detection, and PoE connection capabilities.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package. If any items are missing or damaged, contact customer support.

- 1 x REVODATA 5MP POE IP Mini Security Camera
- 1 x Download Card (for software/manual access)
- 1 x Screw Set (for mounting)

Note: A power adapter is not included. The camera supports Power over Ethernet (PoE) or can be powered by a conventional 12V 2A power supply (sold separately).
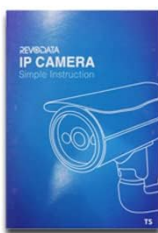

Package Including:

Camera   **Box**   **Screws Set**

User Manual

Note: This product do not including the power unit.

Image: Visual representation of the package contents, including the camera, box, screw set, and user manual (download card).

3. PRODUCT OVERVIEW

Familiarize yourself with the various components and features of your security camera.

Image: Detailed diagram showing the camera's micro SD card slot, adjustable lens focus, mounting bracket, metal case, 12V 2A power supply port, and RJ45 POE port, along with its dimensions.

- **Micro SD Card Slot:** Supports up to 256GB for local storage (card not included).
- **2.8-12mm Manual Zoom Lens:** Allows for flexible adjustment of the field of view and focus.
- **Mounting Bracket:** Adjustable for various installation angles.
- **Metal Case:** Durable construction for indoor use.
- **RJ45 POE Port:** For Power over Ethernet connection, simplifying installation.
- **Power Supply Port (12V 2A):** Alternative power input if PoE is not used.

4. SETUP AND INSTALLATION

4.1 Powering the Camera

The camera can be powered in two ways:

1. **Power over Ethernet (PoE):** Connect an Ethernet cable from a PoE-enabled switch or NVR directly to the camera's RJ45 port. This provides both power and data.
2. **12V DC Power Adapter:** If PoE is not available, connect a 12V 2A DC power adapter (not included) to the camera's power supply port and an Ethernet cable to the RJ45 port for data.

4.2 Network Configuration

Upon initial connection, the camera may be set to a static IP address by default. To access the camera's web interface or integrate it with your network, you may need to temporarily adjust your computer's IP address to be in the same subnet as the camera's default IP. Refer to the download card for specific default IP address information and detailed network setup instructions.

4.3 Software Installation

To manage and view your camera, install the appropriate software:

- **For Smartphones:** Download the "TSEye" app from your device's app store.
- **For Windows PC:** Install the VMS (Video Management Software) for Windows. This software is required for certain advanced configurations, such as adjusting on-screen overlays. (Note: VMS software is not compatible with MAC OS or Linux).
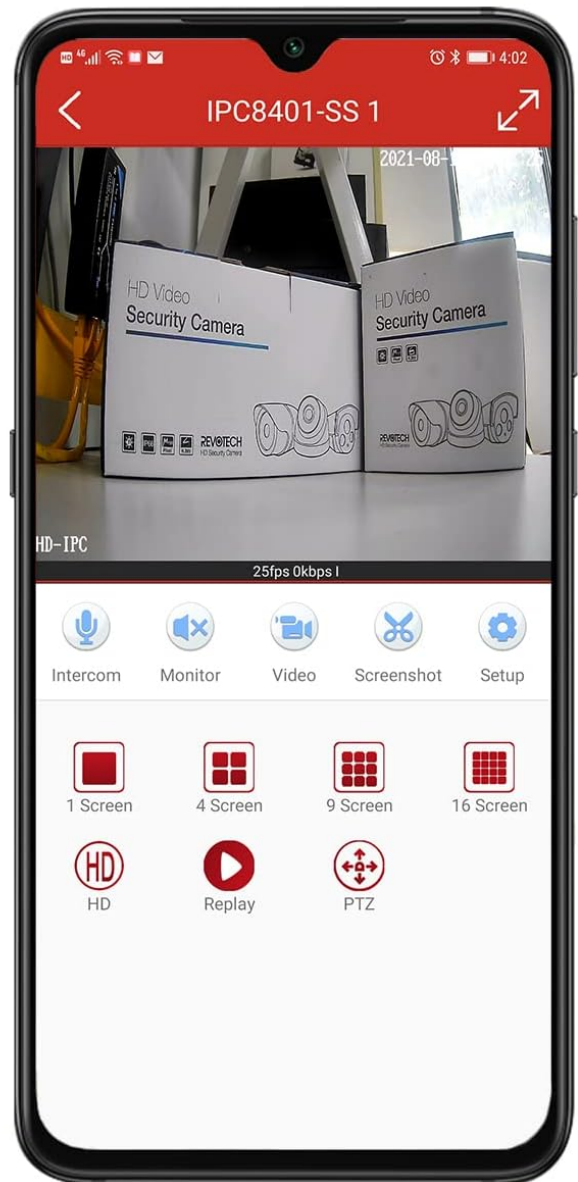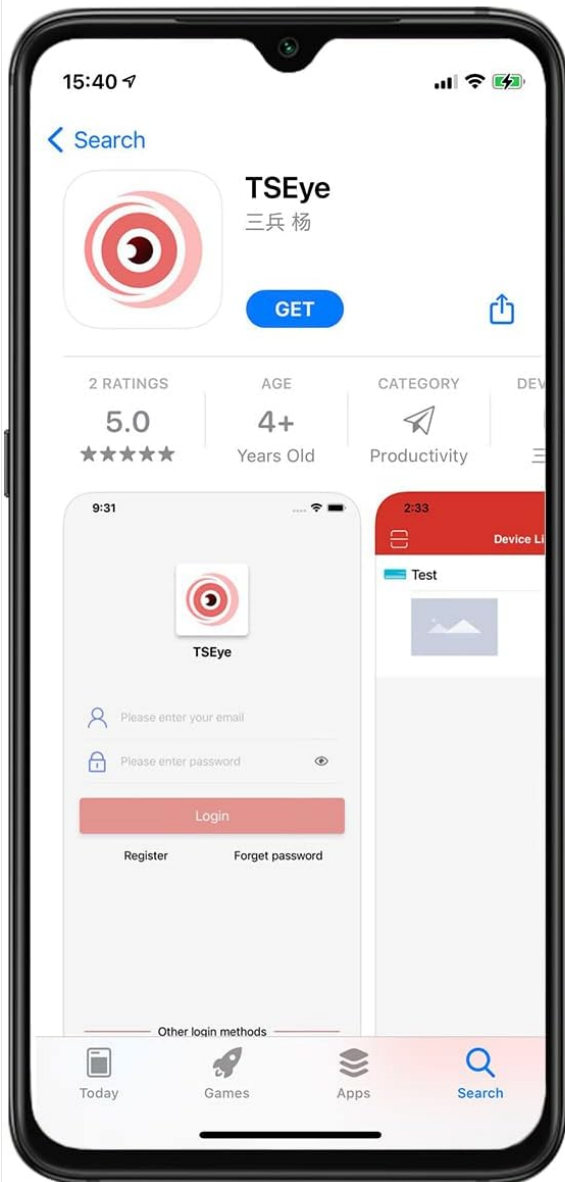
TSEye App View

Image: Screenshot illustrating the TSEye mobile application interface for camera viewing and control.
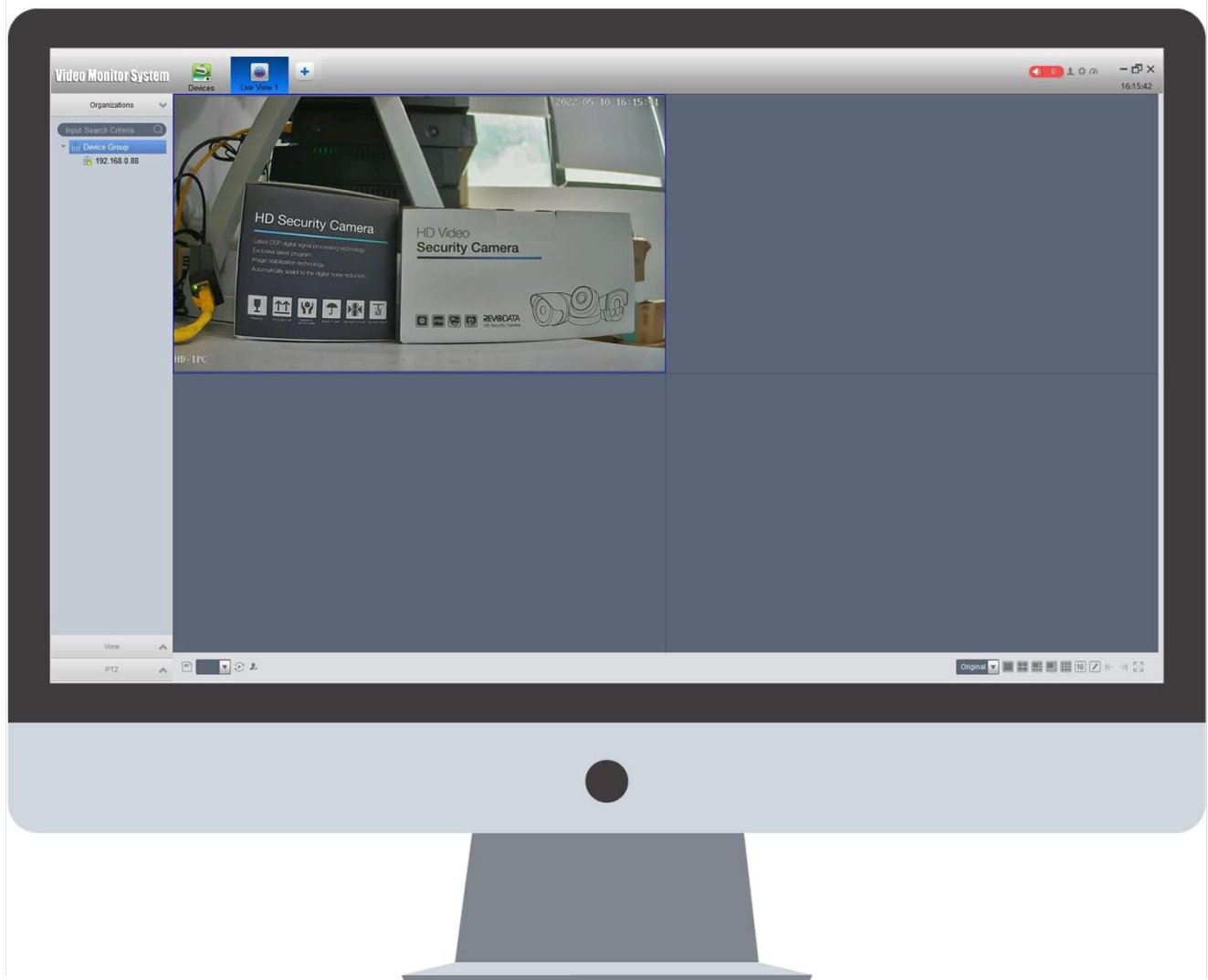
VMS View

Image: Screenshot illustrating the VMS (Video Monitor System) software interface on a desktop computer for camera management.

4.4 Physical Mounting

The camera is designed for wall mounting. Use the included screw set to securely attach the mounting bracket to a suitable surface. Adjust the bracket to achieve the desired viewing angle.

4.5 Adjusting the Manual Zoom Lens

The 2.8-12mm manual zoom lens allows you to adjust the field of view and focus. Rotate the lens rings to achieve the desired zoom level and image clarity for your environment. This adjustment is done physically on the camera itself.

Zoom Function

This camera have zoom function,lens range from 2.8mm to 12mm.The lens is bigger, the distance is further. You can adjust the lens to get the best vision that you want.

Image: Illustration demonstrating the camera's zoom function, showing how adjusting the lens from 2.8mm to 12mm changes the field of view and distance captured.

5. OPERATING THE CAMERA

5.1 Live View and Remote Access

Once configured, you can view the live feed from your camera using the TSEye app on your smartphone or the VMS software on your Windows PC. Ensure your device is connected to the internet for remote access.

5.2 Recording Options

The camera offers flexible recording methods:

- **Micro SD Card:** Insert a micro SD card (up to 256GB, not included) into the camera's slot for 24/7 continuous recording.
- **NVR (Network Video Recorder):** Connect the camera to a compatible NVR for centralized recording and management.
- **Surveillance Software:** Utilize the VMS software on your PC or other compatible surveillance software to record footage.

Flexible Storage Methods

Flexibility to use an Micro SD card,
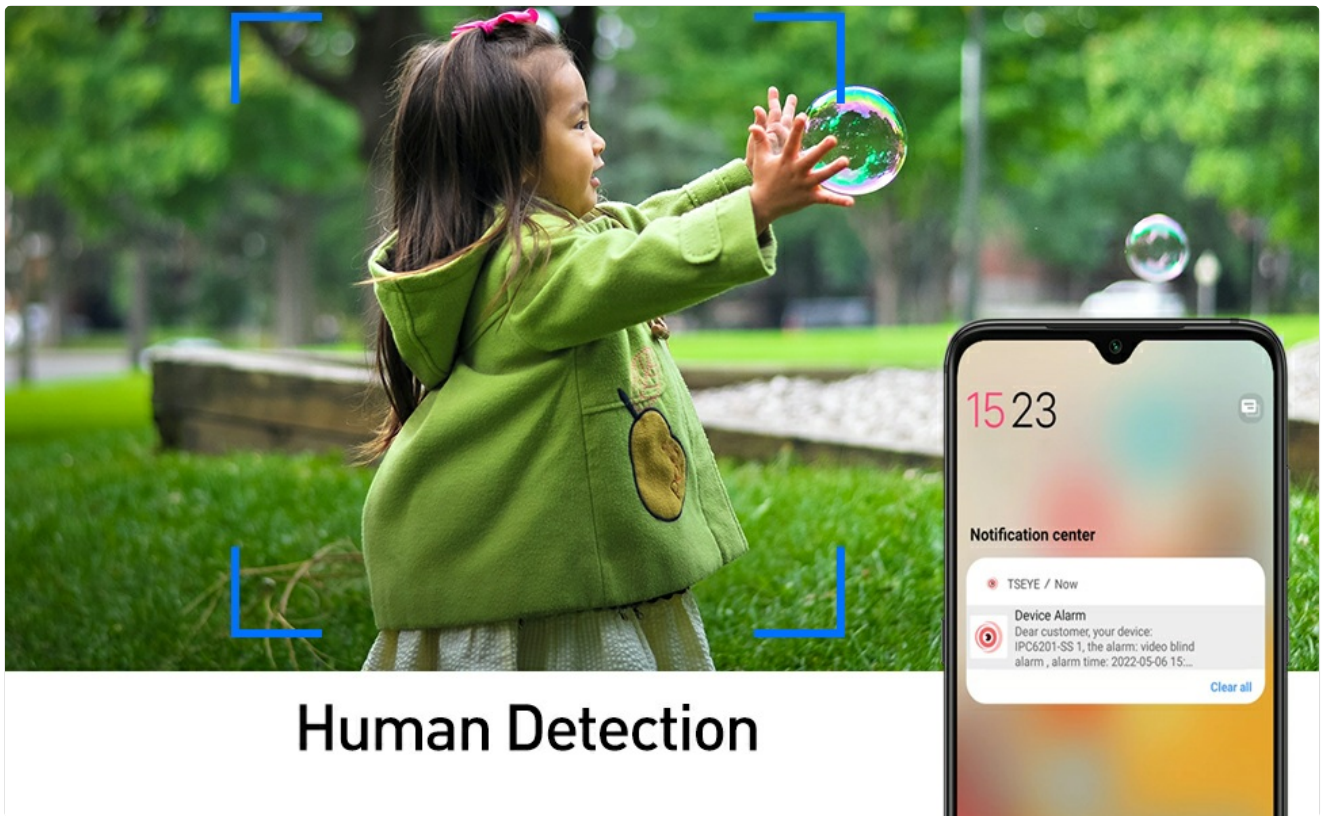### NVR or Computer to store videos.

Note:This product does not include Micro SD Card.

Image: Diagram illustrating flexible storage options, including Micro SD card, NVR, and computer storage for video recordings.

5.3 Motion Detection

The camera supports motion detection. Configure motion detection zones and sensitivity settings within the app or VMS software to receive alerts and trigger recordings when movement is detected.

Image: Illustration of the human detection feature, showing a notification alert on a smartphone when motion is detected by the camera.

5.4 Image Quality and Compression

The camera provides UltraHD 5MP resolution (2880 x 1620P) for clear and detailed images. It supports H.265 video compression, which offers improved bandwidth efficiency and reduced storage requirements compared to H.264, while maintaining high video quality.

Image: Visual comparison demonstrating the superior detail and clarity of 5MP resolution (2880x1620) compared to 2MP (1920x1080).

Image: Diagram illustrating the efficiency of H.265 compression over H.264, showing reduced bandwidth and storage usage for similar video quality.

5.5 Camera Sharing and ONVIF Compatibility

The camera supports sharing access with other users through the app. It is also ONVIF compatible, allowing for integration with various third-party NVRs and surveillance software that support the ONVIF standard.

Image: Screenshot from the mobile application showing the camera sharing interface, allowing users to share access to the camera feed.

Image: Graphic indicating the camera's ONVIF compatibility, allowing for broader integration with surveillance systems.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the camera's exterior. For the lens, use a lens cleaning cloth and solution designed for optical surfaces. Avoid harsh chemicals or abrasive materials.
- **Environment:** Ensure the camera is operated within its specified temperature range (up to 60 degrees Celsius). While the camera has a metal case, prolonged exposure to high temperatures can affect performance. Ensure adequate ventilation if installed in an enclosed space.
- **Firmware Updates:** Periodically check the manufacturer's website or app for available firmware updates to ensure optimal performance and security.

7. TROUBLESHOOTING

Problem	Possible Cause / Solution
Camera not powering on with PoE.	- Verify your PoE switch or NVR is 802.3af compliant and providing power. - Test with a known working PoE port or try powering the camera with a 12V 2A DC adapter. - Ensure the Ethernet cable is securely connected and not damaged.
Cannot access camera via network.	- The camera may default to a static IP address. Temporarily change your PC's IP address to the same subnet as the camera's default IP (refer to download card) to access it and configure DHCP or a desired static IP. - Ensure firewall settings on your network or PC are not blocking access.
Image quality appears low (e.g., 720P/1MP instead of 5MP).	- Check the resolution settings within the TSEye app or VMS software; ensure it is set to 5MP (2880x1620P). - Adjust the manual zoom lens for optimal focus and clarity.
Camera runs hot.	- Ensure the camera is installed in a location with adequate airflow and not in an enclosed space that traps heat. - Verify the ambient temperature is within the specified operating range (up to 60°C).
Ethernet cable does not stay securely connected.	- Some Ethernet cables may not fully engage the clip mechanism. Consider using a different Ethernet cable. - Secure the cable near the port using electrical tape or a cable tie to prevent accidental disconnection.

Problem	Possible Cause / Solution
Cannot adjust on-screen overlays.	• The VMS software for Windows is required to adjust or disable on-screen overlays. Ensure it is installed and you are using it for configuration.

8. SPECIFICATIONS

Feature	Detail
Model Name	I712-POE-TS-SD
Effective Still Resolution	5 MP (2880 x 1620P)
Lens	2.8-12mm Manual Zoom Lens
Connectivity Technology	Wired (Ethernet, PoE)
Power Source	Corded Electric (PoE or 12V 2A DC)
Controller Type	NVR / APP / PC
Indoor/Outdoor Usage	Indoor
Storage	Built-in SD Card Slot (Up to 256GB), NVR, PC
Motion Detection	Yes (Motion Only Alert Type)
Frame Rate	20 fps
Material	Metal
Wattage	6 watts
Item Dimensions (L x W x H)	2.2 x 1.81 x 2.5 inches
Item Weight	8.8 ounces
Max Shutter Speed	1/25 seconds - 1/100,000 Seconds
Photo Sensor Technology	CMOS
International Protection Rating	IP66
Upper Temperature Rating	60 Degrees Celsius
Included Components	1 x camera, 1 x download card, 1 x screw set

9. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your REVODATA product, please refer to the contact details provided on the download card included in your package or visit the official REVODATA website. Customer support is available to assist with setup, troubleshooting, and general product questions.