REVODATA I706-2-P-HS82

REVODATA I706-2-P-HS82 4K 8MP POE Mini IP Security Camera Instruction Manual

1. Introduction

This manual provides comprehensive instructions for the REVODATA I706-2-P-HS82 4K 8MP POE Mini IP Security Camera. Please read this manual thoroughly before installation and operation to ensure proper use and to maximize the camera's performance. Keep this manual for future reference.

The REVODATA I706-2-P-HS82 is a compact 4K (8MP) Power over Ethernet (POE) IP camera designed for indoor security surveillance. It features a 3.7mm pinhole lens, H.265/H.264 video compression, motion detection, and remote viewing capabilities via a mobile application or web interface.

Image 1.1: REVODATA 8MP POE Mini IP Camera overview, highlighting 8MP resolution, POE connection, H.265/H.264 support, 170° FOV (Note: Product description states 75° FOV, please refer to specifications), P2P, and Detection Alarm features.

2. Package Contents

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact your retailer.

- 1 x REVODATA I706-2-P-HS82 4K 8MP POE Mini IP Security Camera
- 1 x Instruction Manual
- 1 x Screw Set for mounting

Image 2.1: Visual representation of the camera, user manual, and screw set included in the package. Also shows camera dimensions and port details.

3. Product Features

- **8MP HD Resolution:** Equipped with a 1/2.7-inch 8.0-pixel CMOS sensor, providing 3840x2160P resolution at 20 frames per second for clear and detailed images.
- **POE and DC Power Support:** Features a built-in POE module supporting 48V 802.3af POE for simplified wiring. An auxiliary power interface allows for standard 12V 2A power supply for non-POE setups.
- **Mini 3.7mm Lens Design:** Compact camera with a 3.7mm lens offering a 75° viewing angle, suitable for discreet placement in small areas.
- **H.265/H.264 Dual Encoding:** Supports both H.265 and H.264 compression formats, optimizing storage space and bandwidth usage. H.265 requires approximately half the bandwidth and storage compared to H.264 for the same image quality.
- **Motion Detection:** Integrated motion detection function triggers alarms and can be configured to record only when motion is detected, further saving storage.
- **P2P Cloud Function & Remote View:** Access live and recorded surveillance footage remotely via a mobile app (iOS, Android) or VMS software for Windows computers.

- **Web Interface Support:** Compatible with IE6.0 and later browsers for configuration and live viewing.
- **Durable Construction:** Features a metal shell for enhanced durability.

Image 3.1: Illustrates the difference between 4K (8MP) and 2MP resolution, showing enhanced detail with 8MP.

Image 3.2: Displays real-world 8MP image quality from the camera in an outdoor setting.

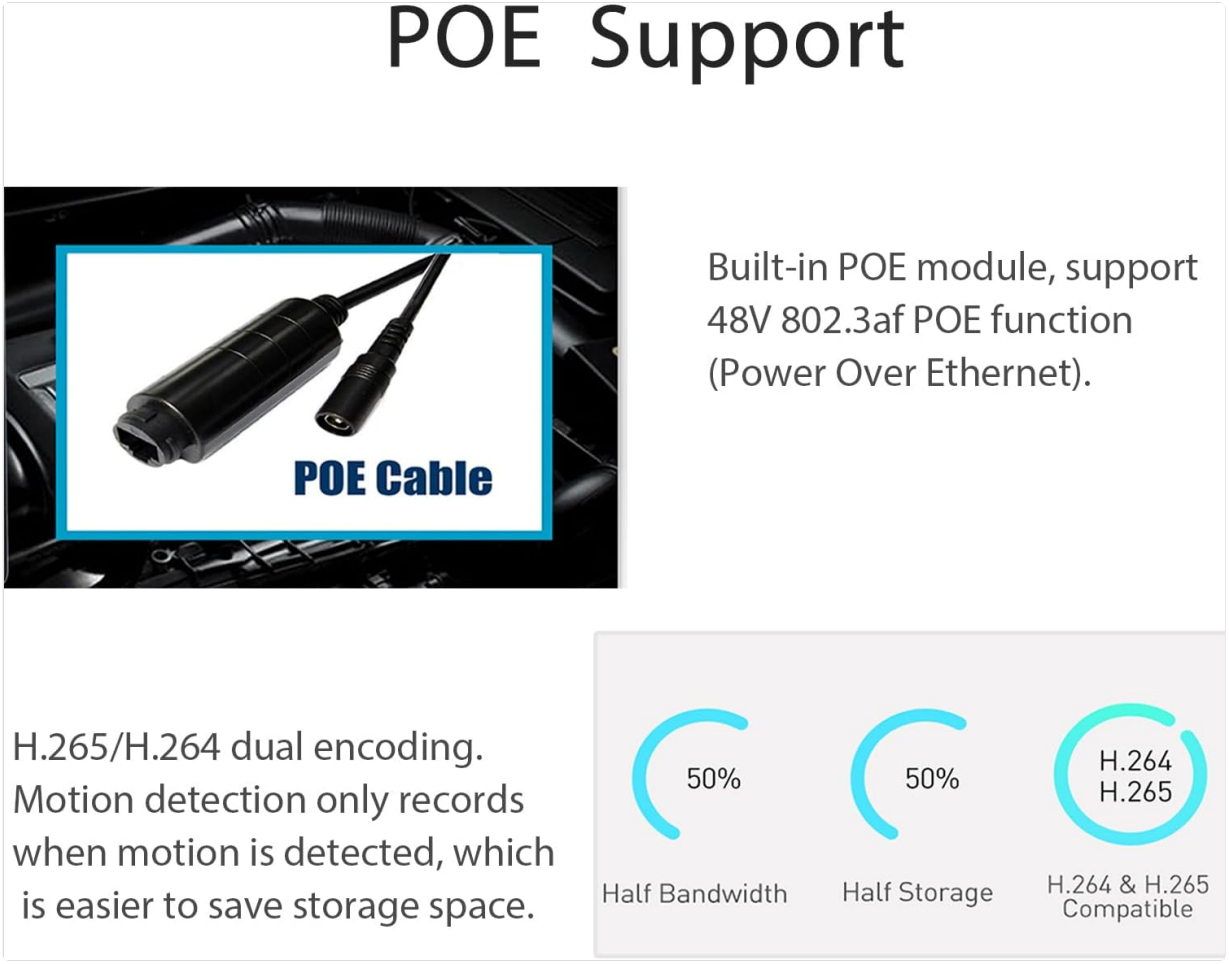

Image 3.3: Highlights POE cable connection and the benefits of H.265/H.264 dual encoding, including reduced bandwidth and storage requirements.

4. Setup

4.1 Powering the Camera

The camera can be powered in two ways:

- **Power over Ethernet (POE):** Connect the camera to an 802.3AF standard 48V POE switch using an Ethernet cable. This provides both power and data connectivity.
- **DC Power:** Use a standard 12V 2A power adapter (not included) and connect it to the auxiliary power interface.

4.2 Connecting to VMS Software, Web Interface, and Mobile App

The camera supports remote viewing and configuration through VMS software on a PC, a web browser, or a dedicated mobile application. The following video demonstrates the connection process for these platforms.

Your browser does not support the video tag.

Video 4.1: This video demonstrates how to connect the REVODATA IP camera to VMS software, access its web interface via a browser, and set up remote viewing through a smartphone application. It covers initial login credentials and device discovery.

4.2.1 VMS Software Setup

1. Install the VMS software on your Windows computer.

2. Launch the VMS software. The default username is **admin** and the default password is **admin**.
3. Navigate to the Device Manager section.
4. Perform an IP search to discover the camera on your local network.
5. Add the discovered camera to your device list.
6. Once added, you can access the live view and configure camera settings through the VMS interface.

4.2.2 Web Interface Setup

1. Obtain the camera's IP address from the VMS software or your network router.
2. Open a web browser (e.g., Internet Explorer) and enter the camera's IP address in the address bar.
3. Enter the default username **admin** and default password **123456** to log in.
4. You can now view the live feed and access various configuration options, including video settings, network settings, and alarm management.

4.2.3 Mobile Application Setup

1. Download and install the recommended mobile application (e.g., Linklemo) from your smartphone's app store (iOS or Android).
2. Register for an account and log in.
3. Tap the "Add Device" or "+" icon to add a new camera.
4. Select the appropriate camera type (e.g., Box Camera (RJ-45)).
5. Follow the on-screen prompts to connect the camera, ensuring it is powered on and connected to the same network as your phone.
6. Once the device is detected, add it and set a desired name.
7. You can now view the live feed, access playback, and manage settings directly from your smartphone.

Image 4.2: Illustrates the compact size of the camera and its P2P cloud function, enabling remote viewing via mobile phone or computer.

Image 4.3: Shows the interface of the mobile application and VMS software for live viewing and management.

5. Operation

5.1 Live View and Playback

After successful setup, you can access the live video feed from your camera through the VMS software, web interface, or mobile application. These platforms also allow you to review recorded footage.

5.2 Motion Detection and Alarms

The camera features a motion detection function that can trigger alerts. When motion is detected, the system can send notifications to your mobile phone or email, and initiate recording.

Image 5.1: Depicts the motion detection alarm feature, showing a mobile phone notification upon human movement detection.

To configure motion detection settings:

- Access the camera's configuration settings via the VMS software or web interface.
- Locate the "Alarm Manager" or "Motion Detect" section.
- Enable motion detection and adjust sensitivity levels as needed.
- Set up recording schedules and notification preferences (e.g., email alerts, push notifications to app).

6. Maintenance

Regular maintenance helps ensure the longevity and optimal performance of your security camera.

- **Cleaning:** Gently clean the camera lens with a soft, dry cloth to remove dust or smudges. Avoid using harsh chemicals.
- **Firmware Updates:** Periodically check the manufacturer's website for firmware updates. Keeping the firmware updated can improve performance, add new features, and enhance security.
- **Environmental Conditions:** Ensure the camera operates within its specified temperature and humidity ranges (-25°C to 60°C, 10% to 90% humidity).

- **Cable Management:** Ensure all cables are securely connected and protected from damage.

7. Troubleshooting

If you encounter issues with your REVODATA I706-2-P-HS82 camera, refer to the following common troubleshooting tips:

- **No Power:** Verify that the POE switch is providing power or that the 12V 2A DC adapter is correctly connected and functional.
- **No Video/Offline:**
  - Check network cable connections.
  - Ensure the camera's IP address is correct and not conflicting with other devices on the network.
  - Confirm that your NVR or viewing software supports 8MP and H.265. If not, you may need to adjust the camera's settings to 1080P (2MP) and H.264.
  - Restart the camera and your network equipment (router/POE switch).
- **Poor Image Quality:**
  - Clean the camera lens.
  - Check network bandwidth; insufficient bandwidth can affect streaming quality.
  - Ensure the camera's resolution and encoding settings are appropriate for your viewing device and network.
- **Motion Detection Not Working:**
  - Verify that motion detection is enabled in the camera's settings.
  - Adjust the sensitivity level.
  - Check the alarm schedule to ensure it is active during desired times.
- **Cannot Connect to Mobile App:** Ensure your smartphone and camera are on the same network during initial setup. Verify correct login credentials for the app.

If the problem persists, please contact REVODATA customer support for further assistance.

8. Specifications

Feature	Specification
Model Name	I706-2-P-HS82
Resolution	3840 x 2160P (8MP)
Sensor	1/2.7 inch CMOS (Hi3516CV610+GC8613)
Minimum Lighting	0.005Lux @ (F1.2, AGC ON)
Shutter Speed	1/25 sec - 1/100,000 sec
Frame Rate	8MP/20fps
Compression Format	H.264 / H.265
Output Compression Rate	128 Kbps ~ 8Mbps
Lens	3.7mm lens
Lens Mount Type	M12
Viewing Angle	75°
Storage	NVR or PC (No Cloud Storage support via app)
IP Address	Dynamic (default) / Static
Intelligent Alarm	Motion detection, email alarm
Supported Protocols	HTTP, TCP/IP, RTSP, RTP, UPNP, SMTP, DHCP, DDNS, DNS, FTP, NTP
Incoming Protocol	Standard NVR ONVIF port (Port: 80)
General Functions	Dual stream, password protection, video fade out
Ethernet	10M/100M Mbit/s Ethernet (RJ-45)
Operating Temperature	-25°C ~ 60°C
Working Humidity	10% ~ 90%
Power Supply Mode	POE (802.3af) or DC 12V 2A
Dimensions (cm)	5.7 x 4.4 x 3.9 cm
Weight	0.2 kg
Enclosure Material	Metal
Indoor/Outdoor Usage	Indoor
Compatible Devices	Android, iOS, Windows

9. Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official REVODATA website. Keep your proof of purchase for any warranty claims.

If you require assistance with installation, configuration, or troubleshooting beyond the scope of this manual, please contact REVODATA customer service.