

REVOTECH I712-FHW

REVOTECH I712-FHW HD 3MP Mini Security IP Camera User Manual

Model: I712-FHW | Brand: REVOTECH

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your REVOTECH I712-FHW HD 3MP Mini Security IP Camera. This indoor camera features a 3.0 Megapixel (2304 x 1296P) 1/3" CMOS Sensor, delivering clear and smooth images at 20 frames per second. It is equipped with a 2.8-12mm manual zoom lens, allowing for adjustable viewing distances and focus.

The camera supports H.265/H.264 encoding, optimizing bandwidth and storage usage. Its compact design makes it suitable for discreet placement. Remote viewing is available via P2P functionality through a dedicated smartphone application and CMS software for Windows computers.

HD 3MP Zoom IP Camera

- *3MP High Resolution*
- *H.265/H.264 Encode*
- *2.8mm-12mm Zoom Lens*
- *Manual Focus Lens*
- *DC 12V Connection*
- *Mini Type*
- *P2P Remote View*



Figure 1.1: REVOTECH I712-FHW HD 3MP Zoom IP Camera highlighting its 3MP resolution, H.265/H.264 encode, 2.8-12mm zoom lens, manual focus, DC 12V connection, mini type, and P2P remote view capabilities.

2. PACKAGE CONTENTS

Please verify that all items are present and in good condition upon opening the package. If any items are missing or damaged, please contact customer support.

- 1 x REVOTECH I712-FHW Camera
- 1 x User Manual (English)
- 1 x Screws Set

Note: A 12V/2A power supply is required for operation and is not included in the package.

3. PRODUCT OVERVIEW

3.1 Camera Components



Figure 3.1: Key components of the REVOTECH I712-FHW camera. This includes the 2.8-12mm zoom lens with adjustments for definition and lens focus, a metal case, an adjustable mounting bracket, an RJ45 port for network connectivity, and a 12V 2A power supply port.

3.2 Dimensions

The camera has compact dimensions, making it suitable for various indoor installations.

- Length: Approximately 2.2 inches (5.6 cm)
- Width: Approximately 1.81 inches (4.6 cm)
- Height: Approximately 2.48 inches (6.3 cm)

4. SETUP

4.1 Power Connection

1. Connect a compatible DC 12V/2A power adapter (not included) to the camera's power supply port.
2. Plug the power adapter into a standard electrical outlet.

4.2 Network Connection

1. Connect an Ethernet cable from your router or network switch to the camera's RJ45 port.
2. Ensure your network is active and providing DHCP services for automatic IP address assignment.

4.3 Software Installation

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

- **For Smartphones (iOS/Android):** Download the "NVSEE Int 'I'" app from your device's app store.
- **For Windows Computers:** Install the CMS software. (Note: This software is not compatible with MAC OS or Linux.)

NVSEE APP View

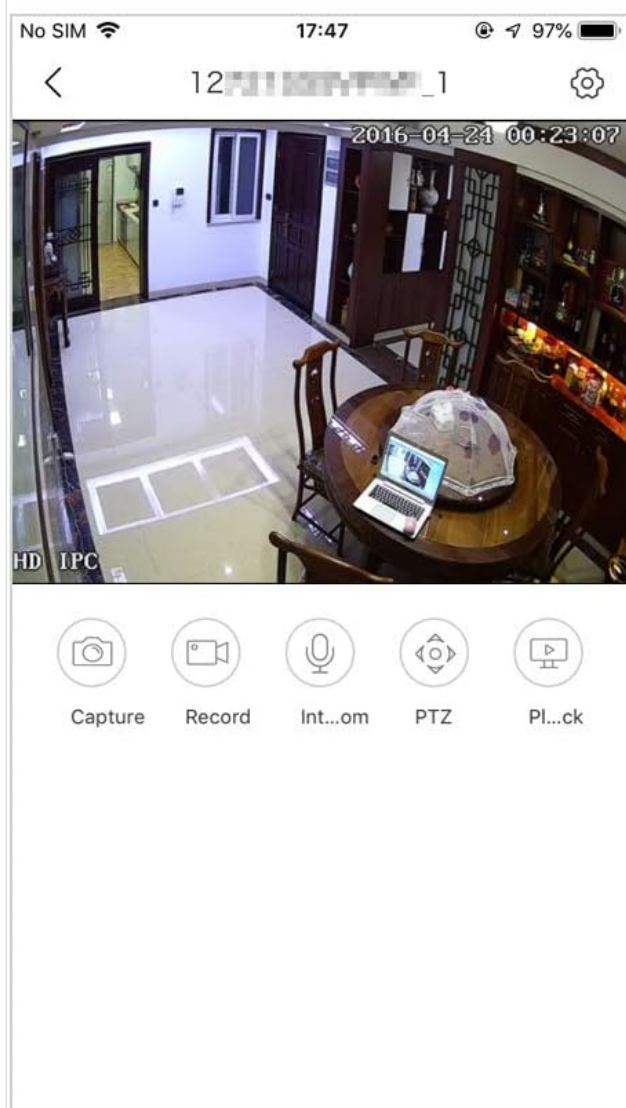


Figure 4.1: The NVSEE APP interface, demonstrating live video feed and control options for the camera on a smartphone.

CMS Software View



Figure 4.2: The CMS Software interface, providing a multi-camera view and control panel for managing the IP camera from a Windows computer.

4.4 Initial Configuration

1. Launch the "NVSEE Int 'I'" app or CMS software.
2. Follow the on-screen instructions to add your camera. This typically involves scanning a QR code or manually entering the camera's ID.
3. Set up a secure password for your camera to prevent unauthorized access.

5. OPERATING INSTRUCTIONS

5.1 Remote Viewing (P2P)

The camera supports P2P (Peer-to-Peer) remote viewing, allowing you to monitor your premises from anywhere using the "NVSEE Int 'I'" app on your smartphone or the CMS software on your computer.



Figure 5.1: P2P Cloud functionality enables remote monitoring of the camera feed from a cellphone or computer, ensuring constant surveillance.

5.2 Manual Zoom and Focus Adjustment

The camera features a 2.8-12mm manual zoom lens. To adjust the field of view and focus:

1. Physically rotate the zoom ring on the lens to adjust the focal length (2.8mm for wider view, 12mm for narrower/closer view).
2. Rotate the focus ring to achieve a clear image at your desired focal length.



Figure 5.2: The camera's zoom function allows adjustment of the lens range from 2.8mm to 12mm, enabling users to achieve optimal

viewing distances.

5.3 Motion Detection and Email Alarm

Configure motion detection and email alarm settings through the "NVSEE Int 'I'" app or CMS software. When motion is detected, the camera can trigger an alarm and send email notifications.

5.4 Video Encoding (H.265/H.264)

The camera supports both H.265 and H.264 video compression formats. H.265 offers more efficient compression, requiring less bandwidth and storage for the same video quality compared to H.264. You can switch between these formats in the camera settings via the CMS software or app, especially if your NVR (Network Video Recorder) has specific compatibility requirements.

5.5 Real-time Monitoring

View live footage from your camera through the installed app or software. The camera provides clear images in various lighting conditions.

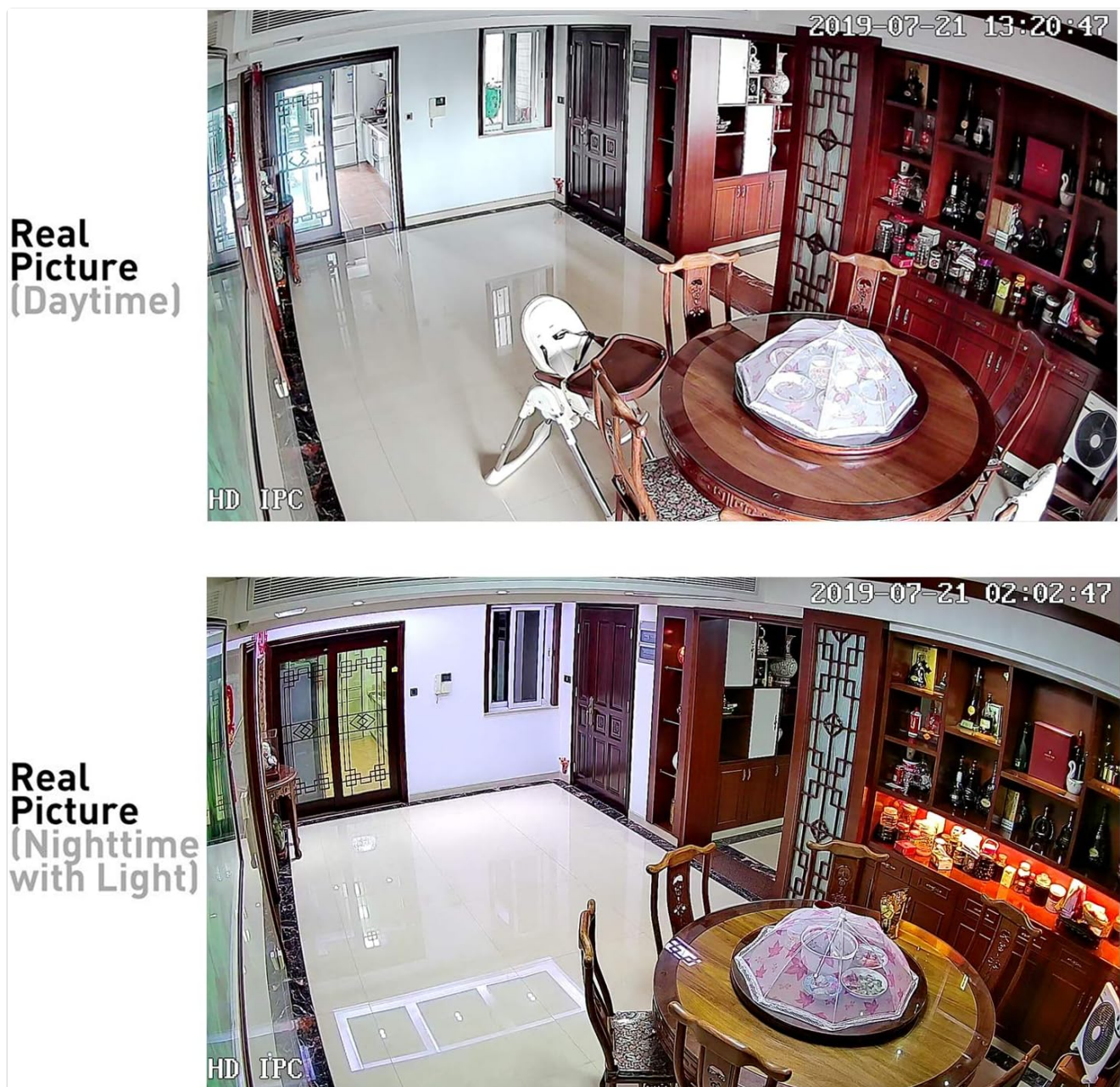


Figure 5.3: Example of a real picture captured by the camera during daytime, showcasing its image clarity.

Package Including:



Camera



Box



Screws Set



User Manual
(English)

Note: This product do not including the power unit.

Figure 5.4: Example of a real picture captured by the camera during nighttime with ambient light, demonstrating its performance in low-light conditions.

6. MAINTENANCE

6.1 Cleaning

To ensure optimal performance, regularly clean the camera lens and housing. Use a soft, dry cloth for the housing. For the lens, use a lens cleaning solution and a microfiber cloth to avoid scratches.

6.2 Environmental Conditions

The camera is designed for indoor use. Ensure it operates within the specified environmental conditions:

- Operating Temperature: -25°C to 60°C (-13°F to 140°F)
- Operating Humidity: 10% to 90% (non-condensing)

Note: The camera's metal case may become warm during operation. This is normal and safe due to heat

dissipation from internal components.

7. TROUBLESHOOTING

7.1 No Image/Offline Camera

- **Check Power:** Ensure the 12V/2A power adapter is correctly connected and receiving power.
- **Check Network Connection:** Verify the Ethernet cable is securely connected to both the camera and the router/switch. Confirm your network is functioning correctly.
- **IP Address Conflict:** If using static IP addresses, ensure there are no conflicts on your network. Try restarting your router and the camera.

7.2 Image Quality Issues

- **Blurry Image:** Adjust the manual focus ring on the lens until the image is clear.
- **Poor Resolution:** Ensure your viewing software (app/CMS) or NVR is configured to display the camera's 3MP resolution. If your NVR does not support 3MP or H.265, you may need to change the camera's settings to 1080P (2MP) and H.264 via the CMS software.
- **Low Light Performance:** Ensure the camera is operating within its minimum illumination specifications (0.1Lux @(F1.2,AGC ON)).

7.3 Remote Access Problems

- **P2P Connection:** Ensure your internet connection is stable. Check if the camera is properly registered with the P2P service through the app.
- **Firewall Settings:** Your network firewall might be blocking the camera's communication. Consult your network administrator or router manual to adjust firewall settings if necessary.

8. SPECIFICATIONS

Feature	Specification
Model Name	I712-FHW
Resolution	3.0 Megapixel (2304 x 1296P)
Sensor	1/3" CMOS Sensor (FH8852+GC2053)
Frame Rate	20fps (3MP)
Lens	2.8mm-12mm Manual Zoom Lens
Lens Interface Type	M12
Min Illumination	0.1Lux @(F1.2,AGC ON)
Shutter Speed	1/25 seconds - 1/100,000 seconds
Compression Format	H.265/H.264
Storage	NVR or Computer

Feature	Specification
IP Address	Dynamic (Default)/Static
Smart Alarm	Motion detection, Email alarm
Supported Protocols	ONVIF, HTTP, TCP/IP, ICMP, RTSP, RTP, RTCP, SMTP, DHCP, DNS, PPPoE, NTP
Ethernet	10M/100M mbps Ethernet (RJ-45)
Operating Temperature	-25°C~60°C
Operating Humidity	10%~90%
Power Supply	DC12V/2A (Adapter not included)
Material	Metal
Dimensions (cm)	5.6 x 4.6 x 6.3 cm
Weight	0.25kg

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact REVOTECH customer service directly. Keep your purchase receipt for warranty claims.

You can typically find support contact details on the manufacturer's official website or through the retailer where the product was purchased.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question