

SOVMIKU SFWHD403

Sovmiku PTZ IP Camera SFWHD403 User Manual

Model: SFWHD403

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Sovmiku PTZ IP Camera SFWHD403. Please read this manual carefully before use to ensure proper functionality and safety. Keep this manual for future reference.

2. PRODUCT OVERVIEW

The Sovmiku PTZ IP Camera SFWHD403 is a versatile security camera designed for both indoor and outdoor use. It features advanced functionalities to enhance your surveillance experience.

Key Features:

- **PTZ Functionality:** Horizontal rotation of 350° and vertical rotation of 90° for comprehensive coverage.
- **5x Digital Zoom:** Allows for detailed viewing of specific areas.
- **3MP Full HD Resolution:** Provides clear and sharp video footage (1536p).
- **Full Color Night Vision:** Equipped with 4 infrared LEDs and 4 white light LEDs for clear night vision in various modes (Full Color, Smart, Infrared).
- **Two-Way Audio:** Built-in microphone and speaker enable real-time communication.
- **Motion Detection & Auto-Tracking:** Detects movement and can automatically track subjects, sending alerts to your device.
- **Remote Viewing:** Access live and recorded footage from anywhere via a smartphone or tablet application.
- **IP66 Weatherproof:** Designed to withstand various weather conditions, including rain, strong winds, and extreme temperatures.
- **MicroSD Card Recording:** Supports local storage of video footage.
- **2.4GHz WiFi Connectivity:** Connects wirelessly to your home network (5GHz WiFi is not supported).



Image 2.1: Front view of the Sovmiku PTZ IP Camera SFWHD403, showing the lens and LED lights.



Image 2.2: Side view of the camera, with a smartphone displaying a zoomed-in image of a license plate, demonstrating the 5x digital zoom capability.

3. SETUP INSTRUCTIONS

Follow these steps to set up your Sovmiku PTZ IP Camera SFWHD403.

3.1 Package Contents

Ensure all components are present:

- Sovmiku PTZ IP Camera SFWHD403
- Power Adapter
- Mounting Screws and Anchors
- User Manual (this document)

3.2 Physical Installation

1. **Choose a Location:** Select a suitable location for installation, ensuring a clear view of the area you wish to monitor and within range of your 2.4GHz WiFi network. The camera is IP66 rated for outdoor use.
2. **Mount the Camera:** Use the provided mounting screws and anchors to securely attach the camera to a wall or ceiling.
3. **Connect Power:** Plug the power adapter into the camera and then into a power outlet. The camera will power on automatically. If the power cable is too short, an extension cord may be required.

3.3 Network and App Configuration

1. **Download the App:** Download the recommended mobile application (e.g., EseeCloud or similar, as indicated in the product packaging or quick start guide) from the App Store (iOS) or Google Play Store (Android).
2. **Create an Account:** Open the app and register for a new account or log in if you already have one.
3. **Add Camera:** Follow the in-app instructions to add your new camera. This typically involves scanning a QR code on the camera or manually entering its ID.
4. **Connect to WiFi:** Configure the camera to connect to your 2.4GHz WiFi network. Ensure your smartphone is also connected to the same 2.4GHz network during the setup process.
5. **Initial View:** Once connected, you should see the live feed from your camera within the app.



Image 3.1: Illustrates the Sovmiku PTZ wireless security camera mounted on a wall, highlighting its outdoor suitability and wireless connectivity.

4. OPERATING INSTRUCTIONS

This section details how to operate your Sovmiku PTZ IP Camera using the mobile application.

4.1 Live View and PTZ Control

- Open the app and select your camera to view the live feed.
- Use the on-screen controls to pan (horizontal 350°) and tilt (vertical 90°) the camera.
- Pinch to zoom on the live feed to activate the 5x digital zoom.

360° PTZ



360°PTZ雲台・死角なし

水平355°垂直90°パン/チルト自由雲台を搭載し
外の愛車を監視、しっかりと守護します。



Image 4.1: Diagram showing the 360° PTZ (Pan-Tilt-Zoom) capabilities of the camera, with horizontal 355° and vertical 90° movement, ensuring no blind spots.



Image 4.2: Demonstrates the 5x digital zoom feature, showing a person and a dog in a garden, with zoomed-in views on a smartphone.

4.2 Two-Way Audio

- While viewing the live feed, tap the microphone icon in the app to speak through the camera's speaker.
- The camera's built-in microphone will capture audio from the camera's vicinity.



Image 4.3: Illustrates the two-way audio feature, showing a person watering plants and another person on a phone, with speech bubbles indicating communication.

4.3 Motion Detection and Alerts

- Enable motion detection in the app settings. You can customize detection zones and sensitivity.
- When motion is detected, the camera will send an alert notification to your smartphone.
- The camera supports auto-tracking, which can be enabled or disabled in the app settings.



Image 4.4: Shows the human detection and auto-tracking feature, with a person walking across a driveway and the camera's detection zone highlighted.

4.4 Night Vision Modes

The camera offers three night vision modes:

- **Full Color Mode:** Provides clear, full-color images at night, useful for identifying details.
- **Smart Mode:** The camera uses infrared for black and white images, but switches to white light for full color when motion is detected, deterring intruders.
- **Infrared Mode:** Delivers clear black and white images using infrared illumination.

You can switch between these modes in the app settings.



Image 4.5: Comparison of Full Color, Smart, and Infrared night vision modes, showing how the camera adapts to different lighting and detection scenarios.

4.5 Recording and Storage

- Insert a MicroSD card (not included) into the designated slot on the camera for local storage.
- Configure recording settings (continuous, motion-triggered) within the app.
- Recorded footage can be reviewed via the app.

H.265+30日24時周録画



Image 4.6: Illustrates the H.265+ video compression and 24-hour recording capability, showing a monitor displaying multiple camera feeds and a hard drive icon.

5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your camera.

- **Cleaning:** Periodically clean the camera lens and housing with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- **Firmware Updates:** Check the mobile application regularly for firmware updates to ensure your camera has the latest features and security enhancements.
- **Power Supply:** Ensure the power connection is secure and free from damage.
- **Network Connection:** Verify your WiFi signal strength is adequate for stable operation.



防水

防高温



防低温

Image 5.1: Depicts the camera's resistance to various weather conditions: rain (waterproof), sun (high temperature resistance), and snow (low temperature resistance).

6. TROUBLESHOOTING

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

Problem	Possible Solution
Camera not connecting to WiFi	Ensure your router is broadcasting a 2.4GHz network. Check WiFi password. Move camera closer to the router. Restart both camera and router.
No live feed/Offline	Check power connection. Verify WiFi connectivity. Restart the camera. Ensure the app is updated.
Poor image quality at night	Ensure night vision mode is set correctly (Full Color, Smart, or Infrared). Clean the camera lens. Check for obstructions.
Motion detection alerts not received	Verify motion detection is enabled in app settings. Check app notification permissions on your phone. Adjust sensitivity.
MicroSD card not recording or recognized	Ensure the MicroSD card is inserted correctly. Format the card via the app. Try a different MicroSD card.
Auto-tracking malfunctions or tracks incorrectly	Adjust motion detection zones and sensitivity. If persistent, consider disabling auto-tracking in the app settings.
Yellow screen or display issues	This may indicate a hardware issue. Contact customer support for assistance.

If the problem persists after trying these solutions, please contact Sovmiku customer support.

7. SPECIFICATIONS

Feature	Specification
Brand	SOVMIKU
Model Number	SFWHD403
Product Dimensions	12.7 x 8.8 x 14 cm
Item Weight	490 g
Connectivity Technology	Wireless (2.4GHz WiFi)
Video Capture Resolution	1536p
Special Features	PTZ Technology, Motion Sensor, Two-Way Audio, Night Vision
Weather Resistance	IP66 Waterproof and Dustproof

8. WARRANTY AND SUPPORT

SOVMIKU is committed to providing high-quality products and excellent customer service.

8.1 Warranty Information

Your Sovmiku PTZ IP Camera SFWHD403 comes with a**12-month warranty** from the date of purchase. This warranty covers manufacturing defects and ensures that you receive dedicated support for any product issues.

8.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact our support team:

- **Email:** sovmiku_JP@163.com
- **LINE Service:** Scan the QR code below to access the official SOVMIKU LINE account for easy support regarding product usage, troubleshooting, expansion, and installation consultations. Our expert staff will provide thorough support.



Image 8.1: QR code for Sovmiku LINE customer service. Scan this code to connect with support.
Alternatively, access via link: https://line.me/ti/p/wsh_rWFDVy

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