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› TWSYOXPR Solar Security Camera with Triple Lens & PTZ - Model dongguanshijianyingbaihuoshanghang User Manual

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TWSYOXPR Solar Security Camera with Triple Lens & PTZ User Manual

Model: dongguanshijianyingbaihuoshanghang

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your TWSYOXPR Solar Security Camera with Triple Lens & PTZ. This camera is designed for both indoor and outdoor surveillance, featuring high-definition video, solar power, and advanced AI functions for enhanced security.

Please read this manual thoroughly before using the product to ensure proper setup and optimal performance.

PRODUCT COMPONENTS

Familiarize yourself with the main components of your security camera:



Figure 1: Camera Component Diagram

This image illustrates the key parts of the camera, including the dual antennas for connectivity, a red alarm light, multiple infrared lights for night vision, clear lenses for image capture, and white lights for full-color night vision.

- **Solar Panel:** For continuous power supply.
- **Antennas:** For Wi-Fi connectivity.
- **Triple Lens System:** Multiple lenses for wide-angle and detailed views.
- **Infrared Lights:** For black and white night vision.
- **White Lights:** For full-color night vision.

- **Alarm Light:** Visual deterrent.
- **Microphone & Speaker:** For two-way audio communication.
- **Mounting Bracket:** For various installation methods.

SETUP AND INSTALLATION

Follow these steps to set up your camera:

1. **Charge the Battery:** Although equipped with a solar panel, it is recommended to fully charge the built-in 6000mAh battery via a 5V power adapter (not included) before initial use.
2. **Download the App:** Search for the accompanying mobile application on your smartphone's app store. Install and register an account.
3. **Connect to Wi-Fi:**
 - Power on the camera.
 - Open the app and follow the on-screen instructions to add a new device.
 - Ensure your camera is within range of a 2.4GHz Wi-Fi network. The camera does not support 5GHz Wi-Fi.
 - Scan the QR code displayed on your phone with the camera lens, or follow alternative pairing methods provided by the app.

4. **Mount the Camera:**

The camera supports multiple installation methods:

- **Wall-mounted:** Secure the bracket to a wall using screws.
- **Ceiling installation:** Attach the camera to a ceiling.
- **Vertical pole installation:** Use appropriate straps or clamps (not included) to secure to a pole.

Choose a location with optimal sunlight exposure for the solar panel and a clear view of the monitoring area.



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Figure 2: Outdoor Installation Example

This image demonstrates the camera installed outdoors, highlighting the integrated solar panel for continuous power.

OPERATING INSTRUCTIONS

Once installed and connected, you can operate your camera via the mobile application:

- **Live View:** Access real-time video feed from the camera. The 12MP resolution and 130° wide-angle lens provide a clear and broad view.
- **Pan-Tilt-Zoom (PTZ):** Use the app to remotely rotate the camera 0° to 360° horizontally and vertically, and utilize the 8x digital zoom to focus on specific areas.
- **Night Vision Modes:**
 - **Infrared Night Vision:** Automatically activates in low light, providing clear black and white video up to 10 meters.
 - **Full-Color Night Vision:** Activates white lights to provide color video in low light conditions (down to 5 Lux).

- **Motion Detection & Alarms:**

- Enable AI human body detection to minimize false alarms.
- Receive instant alerts on your phone when motion is detected.
- The camera can trigger local alarms (sound and red light) to deter intruders.
- Automatic tracking function follows detected movement.

- **Two-Way Audio:** Use the built-in microphone and speaker for real-time communication through the app.

- **Video Recording:** The camera supports 1080P Full HD video recording. While internal storage is not specified, the camera is designed for continuous 24/7 monitoring and typically supports local storage via a TF card (not included) or cloud storage (service availability depends on app provider).

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Intelligent multi-screen scan

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4K HD starlight full color

Figure 3: Advanced Features Overview

This image showcases the camera's capability for 4K HD starlight full-color vision and intelligent multi-screen monitoring via a mobile application.

Proper maintenance ensures the longevity and optimal performance of your security camera:

- **Cleaning:** Regularly wipe the camera lenses and solar panel with a soft, damp cloth to remove dust and debris. Avoid abrasive cleaners.
- **Weather Protection:** The camera has an IP66 rating, making it waterproof and dustproof. However, extreme weather conditions (e.g., severe hail, prolonged heavy snow) may require additional protection or temporary relocation.
- **Battery Health:** Ensure the solar panel receives adequate sunlight to maintain battery charge. In prolonged periods of low sunlight, consider manually charging the battery if possible.
- **Firmware Updates:** Check the mobile application periodically for firmware updates to ensure your camera has the latest features and security patches.

TROUBLESHOOTING

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

- **Camera Not Connecting to Wi-Fi:**
 - Ensure the camera is within range of your 2.4GHz Wi-Fi router.
 - Verify the Wi-Fi password is correct.
 - Restart your router and the camera.
 - If issues persist, try resetting the camera (refer to app instructions for reset procedure) and re-pairing.
- **No Power/Camera Offline:**
 - Check if the solar panel is clean and receiving direct sunlight.
 - Verify the battery charge level via the app.
 - If the battery is low, manually charge it using a 5V power adapter.
- **Poor Image Quality:**
 - Clean the camera lenses.
 - Ensure there are no obstructions in the camera's field of view.
 - Check your Wi-Fi signal strength; a weak signal can affect streaming quality.
- **Motion Detection Not Working:**
 - Verify motion detection settings are enabled in the app.
 - Adjust sensitivity levels if necessary.
 - Ensure the camera's view is not obstructed.

SPECIFICATIONS

Feature	Specification
Model	dongguanshijianyingbaihuoshanghang
Brand	TWSYOXPR

Feature	Specification
Resolution	12MP (1080P Full HD video recording)
Lens	Triple Lens, 2 mm focal length
Field of View	130° wide-angle
Digital Zoom	8x
Pan/Tilt Range	Horizontal: 0° to 360°, Vertical: 0° to 360°
Night Vision	Infrared (10m distance), Full-Color (down to 5 Lux)
AI Functions	Motion Detection, Human Body Detection, Automatic Tracking
Audio	Two-way audio (built-in microphone and speaker)
Power Supply	10W Solar Panel, Built-in 6000mAh Rechargeable Battery
Connectivity	Wi-Fi (2.4GHz only)
Operating Temperature	-10°C to 60°C (14°F to 140°F)
Protection Level	IP66 (Waterproof/Dustproof)
Shell Material	Plastic
Video Compression	MPEG4

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact TWSYOXPR customer service through the official website or the mobile application. Always ensure you are using the latest version of the mobile application for optimal performance and access to support resources.

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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.

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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