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XIAOVV 2.4G WiFi P6

XIAOVV 2.4G WiFi P6 Solar Wireless Outdoor Security Camera User Manual

1. INTRODUCTION

Product Overview

The XIAOVV 2.4G WiFi P6 Solar Wireless Outdoor Security Camera is designed to provide reliable surveillance for your property. Featuring a built-in solar panel and a high-capacity battery, it offers continuous operation without the need for frequent charging. Its advanced features include smart PIR motion detection, pan and tilt capabilities, clear night vision, and two-way audio communication.



Figure 1: Front view of the XIAOVV solar security camera and its detached solar panel on a wooden table.

Key Features:

- **Integrated Solar Panel & 10,000 mAh Battery:** Ensures year-round continuous power.
- **Smart PIR Motion Detection:** Reduces false alarms by detecting human body temperature.
- **Pan & Tilt Functionality:** Offers 355° horizontal and 100° vertical rotation for comprehensive coverage.
- **HD Night Vision with Spotlight:** Provides clear monitoring in low-light conditions and deters intruders.
- **Two-Way Audio:** Enables real-time communication through the camera.
- **IP65 Weather Resistance:** Designed to withstand various outdoor environmental conditions.

- **Military-Grade Data Encryption:** Ensures the privacy and security of your recordings.
- **Flexible Storage Options:** Supports local SD card storage and cloud storage services.

Package Contents:

- 1 x XIAOVV Solar Wireless Security Camera
- 1 x Solar Panel (integrated or separate, depending on model variant)
- 1 x Mounting Bracket
- 1 x USB Charging Cable
- 1 x Screw Kit for Installation
- 1 x User Manual (this document)

2. INITIAL SETUP

2.1 Charging the Camera

Before the first use, ensure the camera's built-in 10,000 mAh battery is fully charged. You can charge it via the USB cable or by exposing the solar panel to direct sunlight for several hours.

2.2 App Installation and Account Creation

1. Download the official 'xiaovv APP' from your smartphone's App Store (iOS) or Google Play Store (Android).
2. Open the app and follow the on-screen instructions to create a new user account.
3. Log in to your account and select 'Add Device' or the '+' icon to begin pairing your camera.
4. Follow the app's prompts to connect the camera to your 2.4GHz Wi-Fi network. Ensure your Wi-Fi signal is strong at the installation location.

2.3 Camera Installation

Proper installation is crucial for optimal performance and solar charging efficiency.

1. **Choose a Location:** Select an outdoor area that provides a clear view of the surveillance zone and where the solar panel can receive at least 4-6 hours of direct sunlight daily. Avoid shaded areas.
2. **Mounting:** Use the provided mounting bracket and screws to securely attach the camera to a wall or other stable surface. Ensure the camera is within range of your 2.4GHz Wi-Fi network.
3. **Adjust Angle:** Position the solar panel to maximize sun exposure. The camera's pan and tilt features allow for fine-tuning the viewing angle after installation.



Figure 2: XIAOVV solar security camera mounted on an outdoor wall with its solar panel.



Figure 3: Camera installation showing a wide field of view from a mounted position.

3. OPERATING INSTRUCTIONS

3.1 PIR Motion Detection

The camera utilizes advanced PIR (Passive Infrared) technology to detect motion based on human body temperature, significantly reducing false alarms caused by wind, rain, or insects. When motion is detected, the camera will automatically begin recording and send notifications to your smartphone.

Resisting extreme environments



IP65

-10°C/32°F

14°C/122°F

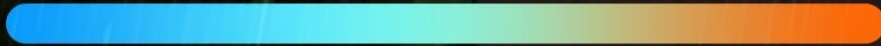


Figure 4: PIR motion detection in action, highlighting human presence at a doorway.



Figure 5: PIR detection mechanism, focusing on temperature-based sensing.

3.2 Pan, Tilt, and Digital Zoom

Control the camera's viewing angle remotely through the XIAOVV app. The camera supports 355° horizontal pan and 100° vertical tilt, allowing you to monitor a wide area. Digital zoom is also available for closer inspection of details.



Figure 6: Illustration of the camera's pan (355°) and tilt (90°) range.

3.3 Night Vision and Spotlight

The camera provides clear HD night vision, allowing you to see details even in complete darkness. When motion is detected at night, the integrated spotlight can automatically activate to illuminate the area, providing color night vision and acting as a deterrent. A voice siren can also be triggered.



Figure 7: Camera operating with its spotlight active during nighttime.



Figure 8: Camera features for warning intruders, including spotlight and siren.

3.4 Two-Way Audio

Communicate with visitors or deter unwanted guests using the camera's built-in microphone and speaker. Access this feature through the live view in the XIAOVV app.

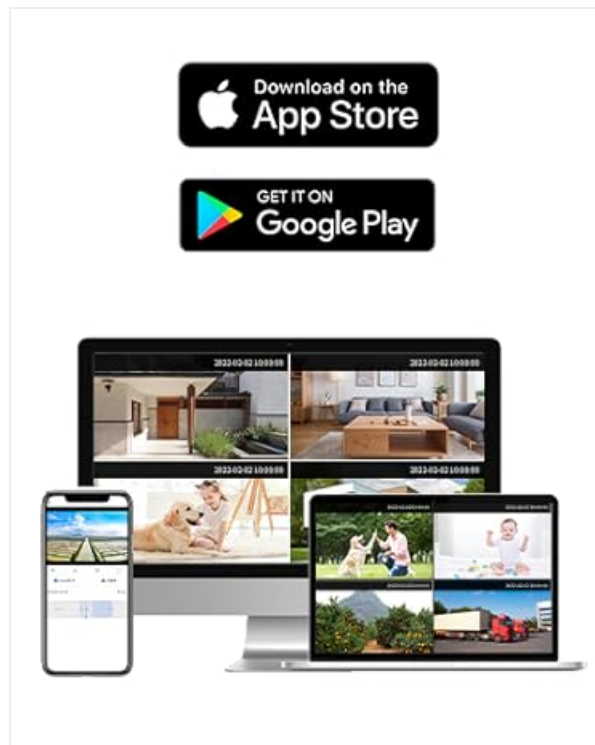


Figure 9: Two-way audio feature allowing communication through the camera.

3.5 Recording and Storage

The camera supports two primary recording and storage methods:

- **Local Storage:** Insert a microSD card (not included) into the designated slot on the camera for continuous or event-triggered recording.
- **Cloud Storage:** Subscribe to the optional cloud storage service through the XIAOVV app for secure, remote storage of your video recordings.

3.6 App Features and Multi-Camera View

The XIAOVV app provides a range of personalized functions, including auto-tracking, adjustable PIR sensitivity, siren voice customization, lamplight sensitivity settings, and alarm time period settings. You can also view live feeds from multiple XIAOVV cameras simultaneously within the app, allowing for comprehensive monitoring of different areas.

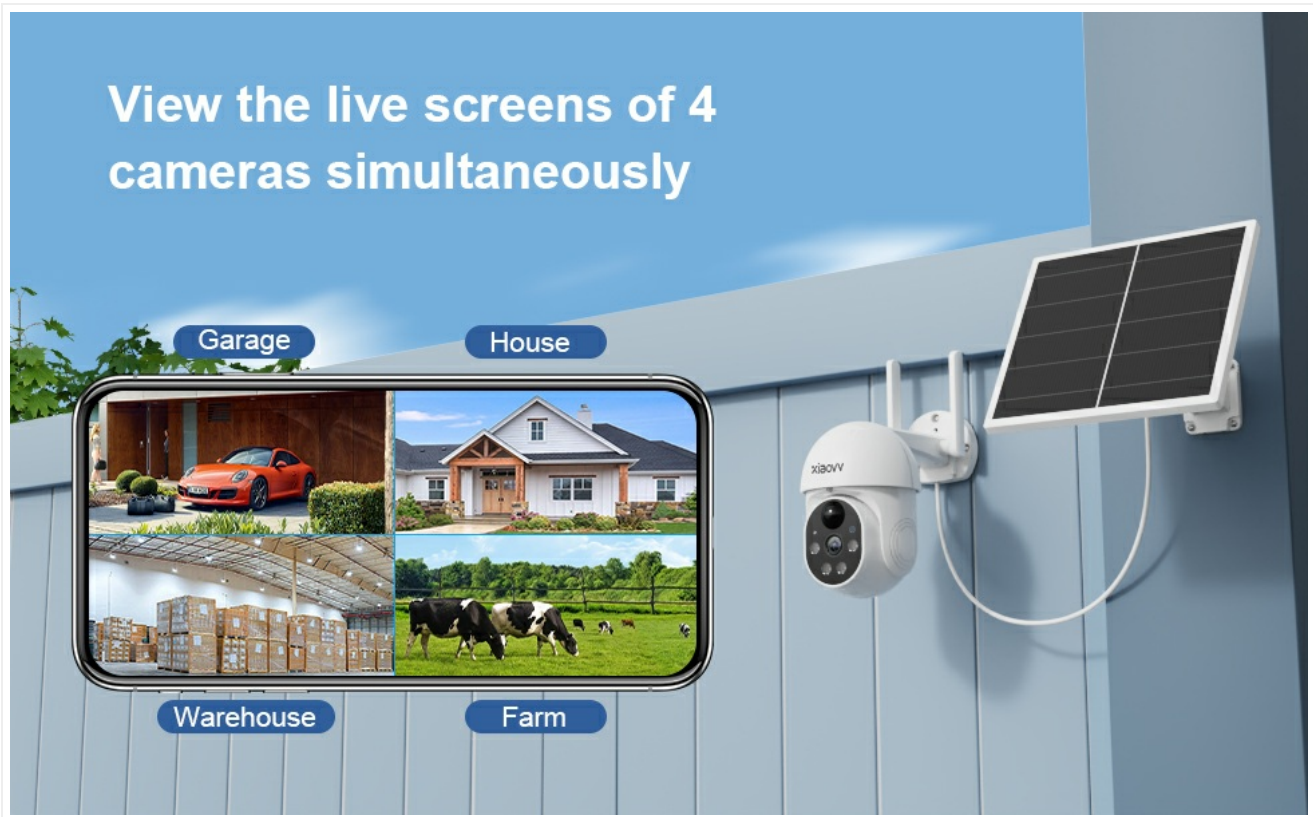


Figure 10: XIAOVV app interface displaying various personalized functions and camera controls.

4. MAINTENANCE GUIDELINES

4.1 Battery Management

The integrated solar panel is designed to keep the 10,000 mAh battery charged, ensuring continuous operation. To maximize charging efficiency:

- Ensure the solar panel is positioned to receive maximum direct sunlight throughout the day.
- Regularly clean the surface of the solar panel to remove dust, dirt, leaves, or snow that may obstruct sunlight.

4.2 Weather Resistance

The XIAOVV P6 camera boasts an IP65 weather-resistant rating, meaning it is protected against dust ingress and low-pressure water jets from any direction. It is designed to operate reliably in various outdoor conditions, including rain, snow, and extreme temperatures ranging from -10°C to 50°C (14°F to 122°F).

**Encrypted chip data algorithm 100%
protection of your private data**



Figure 11: Camera demonstrating IP65 weather resistance in rainy conditions.



Figure 12: Weather resistance details, including IP65 rating and operational temperature range.

4.3 Data Security

XIAOVV prioritizes your privacy. The camera uses military-grade data encryption algorithms to ensure 100% protection of your private data, whether stored locally or in the cloud.

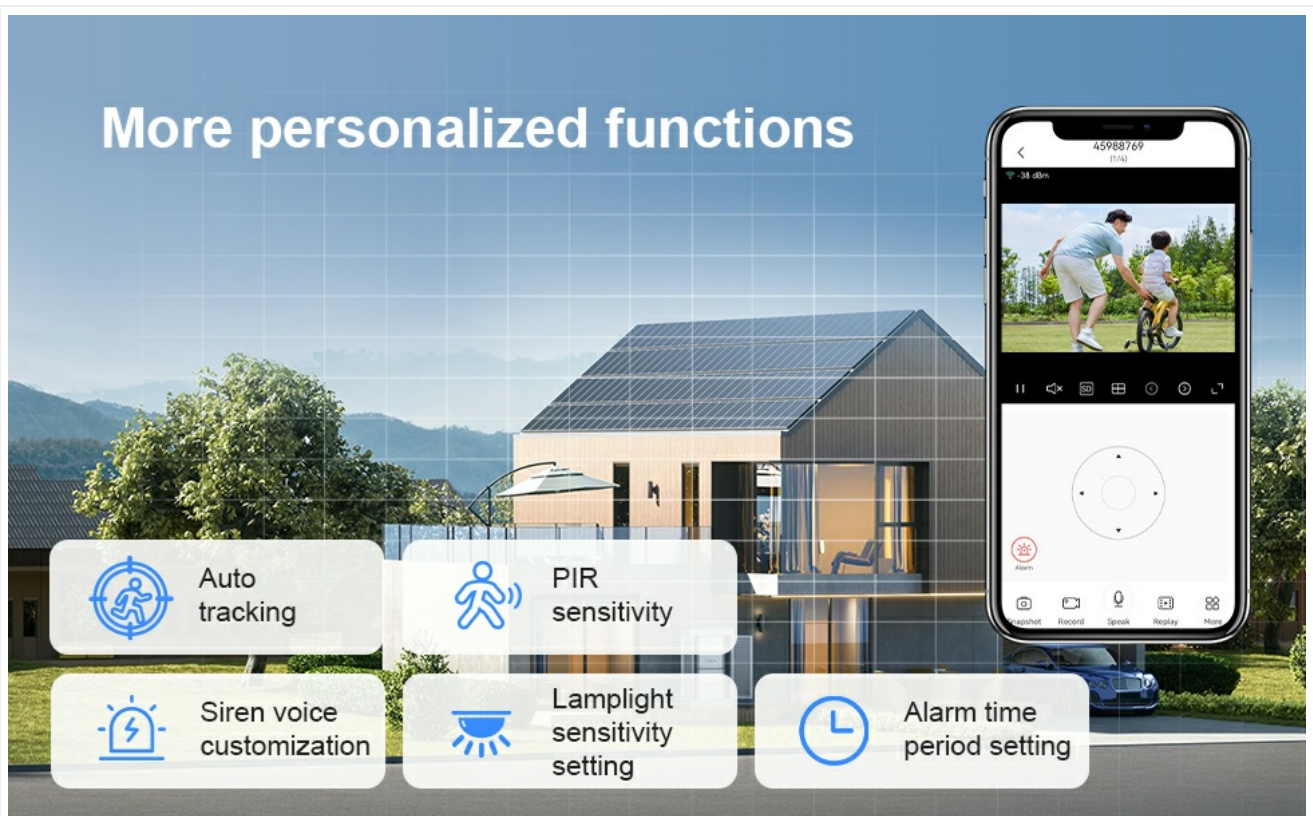


Figure 13: Illustration of military-grade data encryption for privacy protection.

5. TROUBLESHOOTING COMMON ISSUES

5.1 Connectivity Problems

- **No Wi-Fi Connection:** Ensure your router is broadcasting a 2.4GHz Wi-Fi signal. The camera does not support 5GHz networks.
- **Weak Signal:** Check the Wi-Fi signal strength at the camera's installation location using your smartphone. If the signal is weak, consider moving the camera closer to the router or installing a Wi-Fi extender.
- **Pairing Failure:** Try resetting the camera (refer to the device for a reset button location, usually a small pinhole) and repeat the pairing process through the XIAOVV app.

5.2 False Alarms

- **Adjust PIR Sensitivity:** In the XIAOVV app settings, reduce the PIR sensitivity level to prevent triggers from minor movements or environmental factors.
- **Optimize Camera Placement:** Avoid pointing the camera directly at busy roads, swaying trees, or areas with reflective surfaces that might cause unwanted detections.

5.3 Recording Issues

- **SD Card Not Detected:** Ensure the microSD card is correctly inserted and formatted within the camera settings via the app. Try a different, compatible SD card if issues persist.
- **Cloud Storage:** Verify your cloud storage subscription is active and that your internet connection is stable for uploads.
- **Full Storage:** Regularly check the remaining storage space on your SD card or cloud account. Delete old recordings if necessary.

5.4 Solar Panel Not Charging

- **Sunlight Exposure:** Confirm the solar panel receives adequate direct sunlight for several hours each day. Relocate if necessary.
- **Obstructions:** Clear any debris, dirt, or snow from the solar panel surface.

6. TECHNICAL SPECIFICATIONS

Feature	Specification
Model	2.4G WiFi P6
Effective Video Resolution	2 MP (1080p)
Connectivity Technology	Wireless (2.4G WiFi)
Power Source	Solar Powered (with 10,000 mAh Lithium battery)
Pan Angle	355 Degrees
Tilt Angle	100 Degrees
Viewing Angle	100 Degrees
Special Features	Night Vision, PIR Detection, Spotlight, Voice Siren, Two-Way Audio

Feature	Specification
Weather Resistance	IP65
Material	Waterproof Outdoor Security Camera
Dimensions (L x W x H)	24 x 24 x 20 cm
Weight	1.5 Kilograms
Control App	xiaovv APP

7. WARRANTY AND CUSTOMER SUPPORT

7.1 Warranty Information

This XIAOVV product is covered by a **2-year manufacturer's warranty** for after-sales maintenance. Spare parts are guaranteed to be available for 1 year from the date of purchase.

7.2 Customer Support

For technical assistance, troubleshooting, or any product-related inquiries, please contact XIAOVV customer support. Online support services are available to provide timely and professional assistance.

Please refer to the official XIAOVV website or your purchase documentation for the most up-to-date contact information.

8. PRODUCT VIDEO



Video 1: An official product video demonstrating the features and functionality of the XIAOVV Solar Wireless Security Camera.