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> XIAOVV Solar Security Camera User Manual

XIAOVV XVV-1120S-P6

XIAOVV Solar Security Camera User Manual

Model: XVV-1120S-P6



Overview of the XIAOVV Solar Security Camera, featuring its integrated solar panel and pan-tilt capabilities.

The XIAOVV Solar Security Camera is a wireless outdoor surveillance solution designed for continuous operation. It features an integrated solar panel with a 10000mAh built-in battery, ensuring year-round power. Key functionalities include PIR smart detection, spotlight and voice siren for intruder deterrence, pan-tilt control (355° horizontal, 100° vertical), HD night vision, and motion tracking. The camera is weatherproof with an IP65 rating, suitable for various outdoor environments. It supports both integrated and split installation methods and prioritizes user privacy with military-grade data encryption.

- **10000mAh Built-in Battery:** Ensures continuous operation with solar power, backed by a large capacity battery for low-light conditions.
- **PIR Smart Detection & Spotlight/Siren:** Triggers recording and activates lights/sirens upon detecting human or animal body temperature, reducing false alarms.
- **Weatherproof (IP65):** Designed to withstand rain, snow, and high temperatures for reliable outdoor performance.
- **Pan-Tilt & Night Vision Motion Tracking:** Offers 355° horizontal and 100° vertical rotation, HD night vision, and automatic motion tracking.
- **Privacy Protection:** Utilizes military-grade data encryption for user data security.

WHAT'S IN THE BOX

- XIAOVV Solar Security Camera
- Solar Panel with Built-in Lithium Battery
- Power Adapter
- Data Cable
- Screw Pack
- Integrated Support Bracket



Image showing the main components included in the product packaging.

SETUP AND INSTALLATION

1. Initial Charging and Power On

Before first use, ensure the camera's built-in battery is fully charged. Connect the camera to the power adapter using the provided data cable. It is recommended to charge for at least 8 hours. After charging, turn the power switch to the 'ON' position. The camera will then be ready for network configuration.



The solar panel continuously charges the camera's 10000mAh built-in battery, ensuring year-round operation.

2. App Download and Network Configuration

Download the "xiaovv APP" from your device's application store (App Store for iOS or Google Play for Android). Once installed, open the app and follow the on-screen instructions to add your camera. You can connect via QR code scanning or AP hotspot connection if the QR code is not found. Ensure your mobile device is connected to a 2.4GHz Wi-Fi network.

1. Search for "xiaovv APP" in your app store and download it.
2. Open the app and click "Add now".
3. For QR code connection: Scan the QR code label on the camera using the app. The camera will prompt "Received configuration information" and "WiFi connecting". Wait for "Wifi connection completed".
4. For AP hotspot connection (if QR code fails): Select "Can't find the QR code on the device?" then "AP hotspot connection". Follow prompts to connect to the camera's hotspot in your phone's Wi-Fi settings, then return to the app.
5. Once connected, name your device and confirm.

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Video: Detailed guide on setting up the XIAOVV Solar Camera, including app download and network configuration steps.

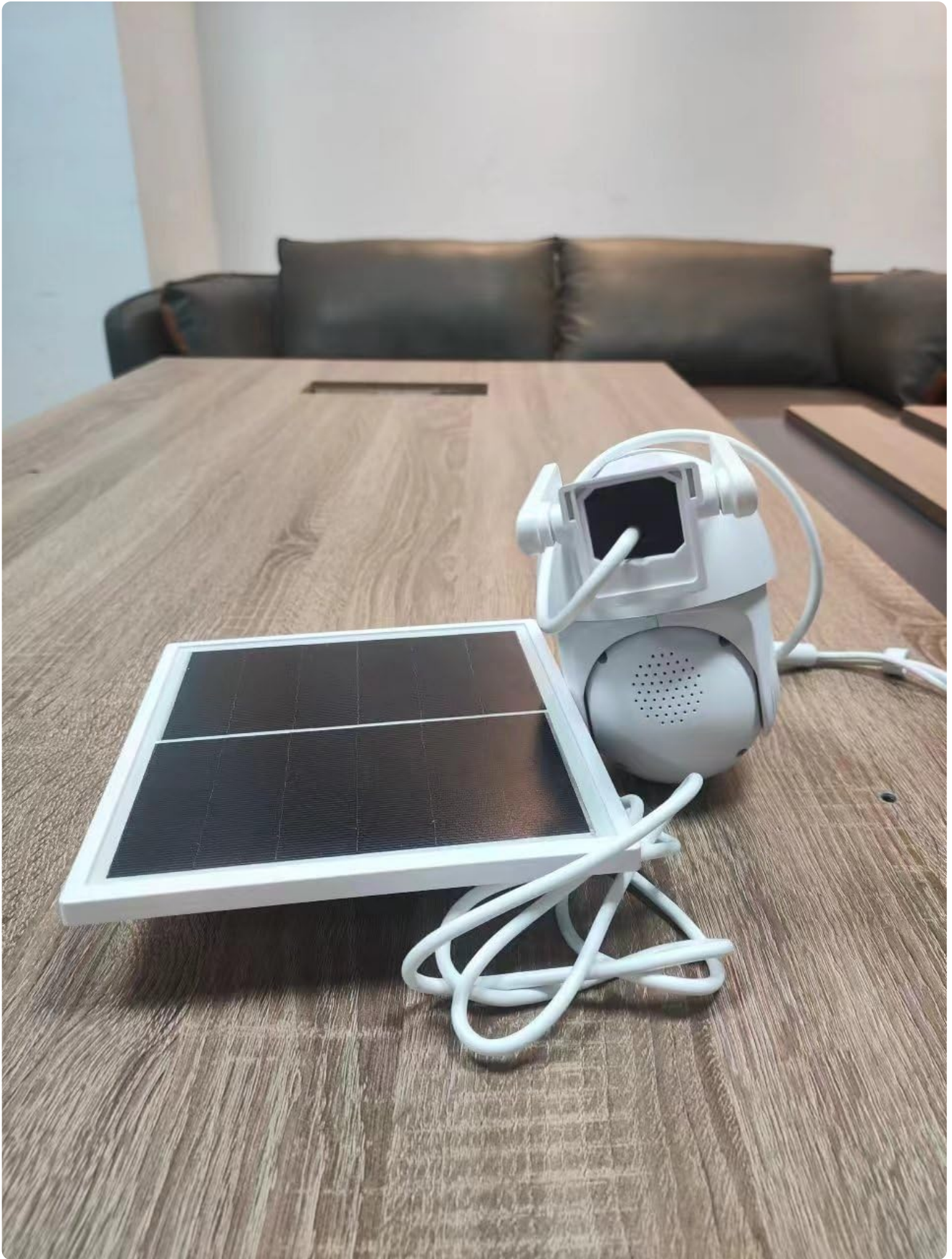
3. Mounting the Camera

The camera supports both integrated and split installation. Choose a sunlit position for the solar panel to ensure optimal charging. Before final mounting, test the Wi-Fi signal strength at the desired location using your mobile phone to ensure stable connectivity.

1. Attach the positioning sticker to the desired mounting surface.
2. Drill holes at the marked positions.
3. Insert expansion tubes into the drilled holes and gently tap them in with a hammer.
4. Fix the bracket to the wall using the provided screws.
5. Install a MicroSD card (if desired) into the camera's slot.
6. Attach the camera to the bracket.
7. Connect the solar panel to the camera's power input cable and tighten the connection.
8. Route the power cords neatly into the bracket's slot.
9. Ensure the solar panel is positioned to receive maximum sunlight. The solar panel power cable is 1.5 meters long, so plan your installation accordingly.



Side view of the camera and solar panel, illustrating the integrated design.



Back view of the camera and solar panel, showing the mounting points.



10000mA Built in Battery

The first use of solar energy needs to be fully charged solar panels power year-round continuous operation

The camera and solar panel mounted on a wall, demonstrating the integrated installation method.

OPERATING INSTRUCTIONS

1. Live Viewing and Pan-Tilt Control

Access the live feed through the XIAOVV app. You can remotely control the camera's pan (355° horizontal) and tilt

(100° vertical) movements to adjust the viewing angle and monitor different areas. The camera also supports automatic motion tracking, following detected objects within its field of view.

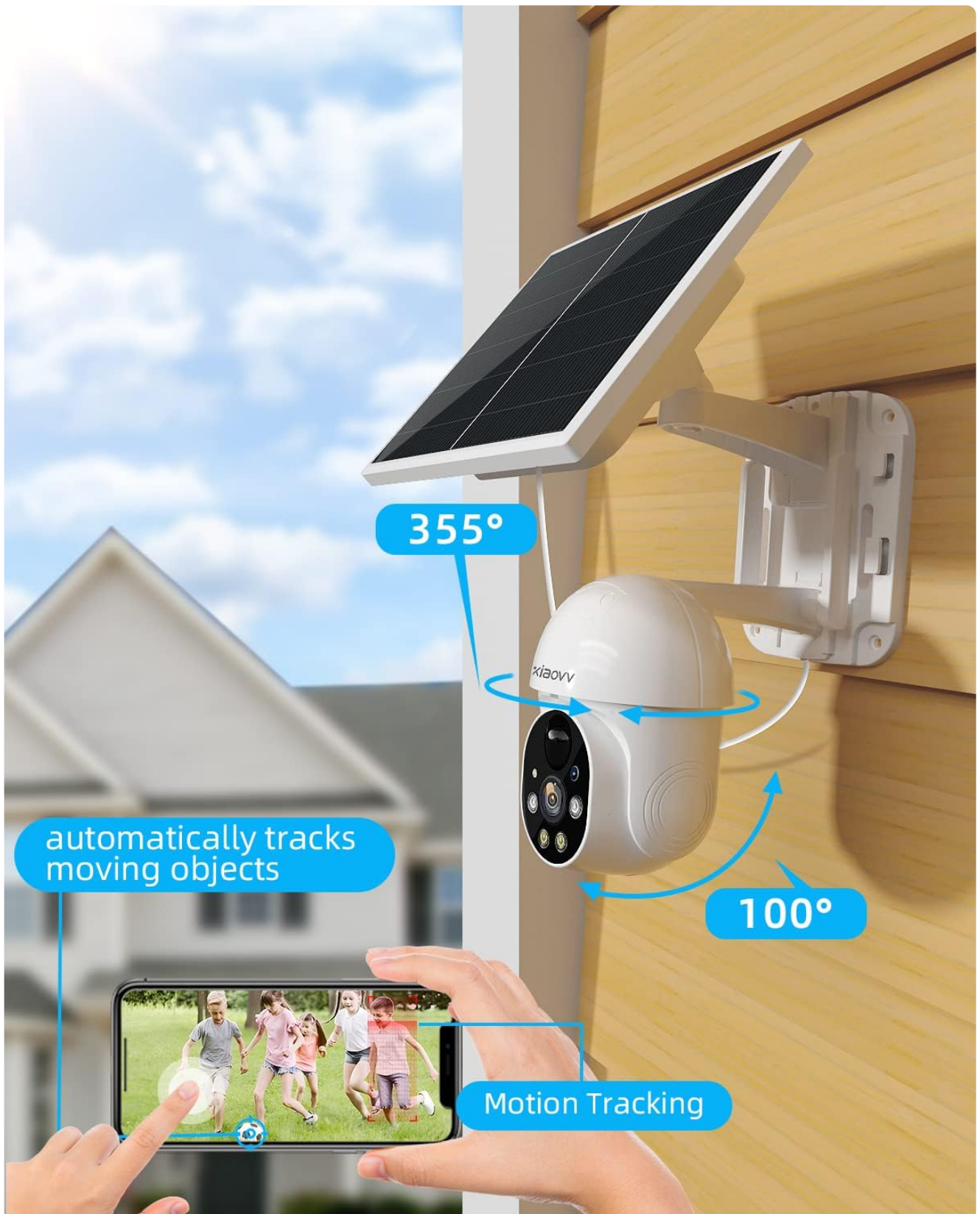


Illustration of the camera's 355° pan and 100° tilt capabilities, along with automatic motion tracking.

2. Motion Detection and Alerts

The camera features PIR smart detection, which uses body temperature to accurately identify human or animal movement, minimizing false alarms. Upon detection, the camera can automatically start recording (requires SD card or cloud storage subscription) and activate its built-in spotlight and voice siren to deter intruders. You can customize siren voices and receive instant alerts on your mobile device.

Automatically turn on spotlight alarm to scare off intruder

PIR & Spotlight & Siren
reduce false alarm



The camera automatically turns on its spotlight and siren upon detecting an intruder, enhancing security.

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Video: Demonstrates various functions of the camera, including motion detection and alert features.

3. Night Vision

The camera provides HD night vision, allowing clear visibility even in low-light or complete darkness. This ensures comprehensive surveillance around the clock.



Detailed view of the camera's lens components, contributing to its HD night vision capabilities.

MAINTENANCE

- **Cleaning:** Regularly wipe the camera lens and solar panel with a soft, damp cloth to ensure clear vision and efficient solar charging. Avoid abrasive cleaners.

- **Battery Care:** While the solar panel provides continuous power, ensure the camera receives adequate sunlight for optimal battery performance. If the camera is stored for an extended period, fully charge the battery before storage and periodically recharge it to maintain battery health.
- **Firmware Updates:** Check the XIAOVV app regularly for any available firmware updates to ensure your camera has the latest features and security enhancements.

TROUBLESHOOTING

Issue	Possible Cause	Solution
Camera not connecting to Wi-Fi	Incorrect Wi-Fi password, weak signal, 5GHz network.	Ensure correct 2.4GHz Wi-Fi password. Check Wi-Fi signal strength at installation location. Move camera closer to router or use AP hotspot connection method.
Image freezing or lagging	Weak Wi-Fi signal, network congestion.	Verify strong Wi-Fi signal. Reduce network traffic or adjust camera's video quality settings in the app.
Battery not charging or draining quickly	Insufficient sunlight on solar panel, panel obstruction, initial charge not complete.	Ensure solar panel is in a sunlit position without obstruction. Complete initial 8-hour charge. Check cable connections.
Motion detection not working	Incorrect sensitivity settings, object outside detection range, obstructions.	Adjust PIR sensitivity in the app. Ensure no physical obstructions block the sensor. Verify objects are within effective detection range.
No recording to SD card	SD card not inserted, full, or corrupted; cloud storage not subscribed.	Ensure SD card is correctly inserted and formatted. Check if the card is full and delete old recordings or replace it. Consider subscribing to cloud storage.

SPECIFICATIONS

Feature	Detail
Brand	XIAOVV
Model Number	XVV-1120S-P6
Power Source	Battery Powered (Solar Panel)
Connectivity Protocol	Wi-Fi (2.4 GHz)

Feature	Detail
Video Capture Resolution	1080p
Pan/Tilt Range	355° Horizontal, 100° Vertical
Night Vision Range	33 Inches
Water Resistance Level	IP65 (Waterproof)
Battery Capacity	10000 Milliamp Hours
Item Dimensions L x W x H	5.91 x 5.91 x 7.87 inches
Item Weight	2.5 Pounds
Control Method	App
Alert Type	Audio and Motion

WARRANTY AND SUPPORT

XIAOVV provides a one-year after-sales guarantee for this product. If you encounter any issues, please contact our customer support team for assistance. We offer after-sales maintenance and online support services.

For a more detailed user manual, you can download the PDF version:

[Download User Manual \(PDF\)](#)