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COOAU aaa

COOAU Wireless Outdoor Security Camera with Solar Panel - User Manual

Brand: COOAU | **Model:** Wireless Outdoor Security Camera (Model: aaa)

1. Introduction

Thank you for choosing the COOAU Wireless Outdoor Security Camera. This manual provides essential information for setting up, operating, and maintaining your camera to ensure optimal performance and security for your property. This camera is designed for outdoor use, offering high-resolution surveillance, advanced detection capabilities, and convenient remote access.

Key features include 2K (3MP) video resolution, 15-meter color night vision, AI human detection, solar power capability, two-way audio, and IP65 weather resistance.

2. Package Contents

Please verify that all items listed below are included in your package:

- 1 x COOAU Wireless Security Camera
- 1 x Solar Panel
- 1 x Outdoor Mounting Stand
- 1 x USB Charging Cable
- 1 x Reset Pin
- 6 x Rubber Plugs and Screws for installation
- 1 x User Manual (Japanese, please refer to this document for English instructions)

3. Setup Guide

3.1 Initial Setup and App Pairing

1. **Download the App:** Scan the QR code provided in the quick start guide or search for the designated app on your smartphone's app store.
2. **Power On Camera:** Ensure the camera is charged or connected to the solar panel.
3. **Add Camera:** Open the app, create an account, and follow the on-screen instructions to add your camera. You will typically scan a QR code on the camera to pair it with your account.
4. **Connect to Wi-Fi:** Follow the app prompts to connect the camera to your 2.4GHz Wi-Fi network. The camera features an enhanced antenna for improved signal stability.

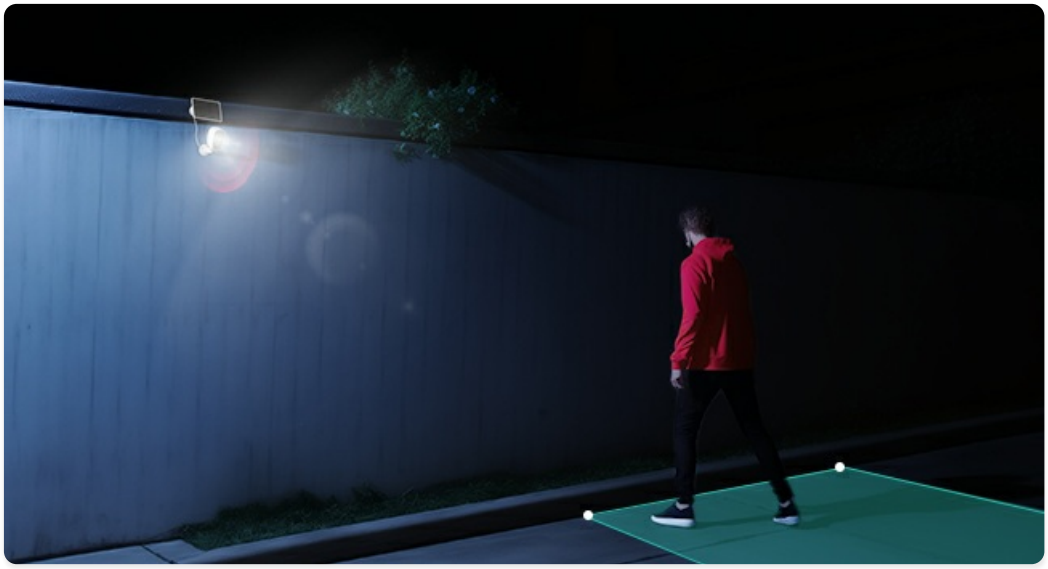


Figure 3.1: Initial app setup process, including downloading the app, adding the camera, and checking Wi-Fi signal strength.

3.2 Mounting and Installation

The camera is designed for wall-mounted outdoor installation. Choose a location that provides the desired viewing angle and receives adequate sunlight for the solar panel.

1. **Select Location:** Identify a suitable outdoor location, such as near an entrance, garage, or garden, ensuring a clear view and strong Wi-Fi signal.
2. **Install Mount:** Use the provided screws and rubber plugs to securely attach the outdoor mounting stand to the wall.
3. **Attach Camera:** Secure the camera to the mounting stand. The stand allows for flexible angle adjustment (90° vertical, 360° horizontal) to optimize your view.



Figure 3.2: Attaching the camera to the wall mount, demonstrating adjustable angles.

3.3 Powering the Camera with Solar Panel

The camera is battery-powered and can be continuously charged by the included solar panel, eliminating the need for external power wiring.

- **Connect Solar Panel:** Connect the solar panel cable to the camera's charging port.
- **Position Solar Panel:** Mount the solar panel in a location that receives direct sunlight for several hours each day to ensure continuous charging.



Figure 3.3: The camera powered by a solar panel, illustrating continuous charging.

4. Operating Instructions

4.1 Video Quality and Night Vision

The camera captures video in 2K (3MP) resolution, providing clear and detailed images. It features two night vision modes:

- **Infrared Mode:** Automatically switches to black and white infrared vision in low light conditions.
- **Color Night Vision:** When motion is detected at night, the built-in spotlight activates, allowing the camera to record in full color up to 15 meters.



Figure 4.1: Visual comparison demonstrating the superior clarity of 2K resolution over 1080P.



Figure 4.2: Illustration of the camera's night vision capabilities, including both infrared and color modes.

4.2 AI Human Detection and PIR Sensor

The camera integrates a PIR (Passive Infrared) sensor and AI human detection to accurately identify human movement while minimizing false alarms from light changes or insects. Advanced AI image analysis (optional, paid feature) can differentiate between pets, packages, vehicles, and humans, streamlining event searches.



Figure 4.3: AI human detection in action, identifying and categorizing different objects and movements.

4.3 Recording and Playback

Recordings can be stored locally on a MicroSD card (up to 128GB) or in the cloud. The camera offers 6 seconds of free cloud storage for detected events. You can review recorded footage with 4-stage playback speed options (0.5x, 1x, 2x, 4x) to quickly find important moments.



Figure 4.4: Storage options including cloud and MicroSD card, along with playback speed controls.

4.4 Two-Way Audio

Communicate with visitors or deter intruders using the built-in high-sensitivity microphone and speaker. This feature allows for real-time two-way conversations through the app.



Figure 4.5: Demonstrating two-way audio communication via the camera and smartphone app.

4.5 Smart Sound and Light Alarm

When an intruder is detected within the defined detection area, the camera can trigger a smart sound and light alarm to deter them. You will also receive an instant push notification on your smartphone. Detection areas can be customized to avoid unnecessary alerts from public pathways.



Figure 4.6: The smart sound and light alarm system deterring an intruder.

4.6 Remote Monitoring and Sharing

Access live view and recorded footage from anywhere using the app. The camera supports multi-device viewing, allowing multiple family members to monitor simultaneously. You can also share access to the camera with trusted individuals.

4.7 Alexa Compatibility

Integrate your COOAU camera with Alexa-enabled devices. Simply use voice commands to view the camera's live feed on compatible smart displays.

5. Maintenance

5.1 Weather Resistance (IP65)

The camera is rated IP65 for dust and water resistance, ensuring reliable operation in various weather conditions, including strong sunlight, rain, and wind. It is designed for year-round outdoor use.



Figure 5.1: The camera's IP65 waterproof and dustproof rating, ensuring durability in outdoor environments.

5.2 Cleaning

To maintain optimal image quality and solar panel efficiency, periodically clean the camera lens and solar panel surface with a soft, damp cloth. Avoid using harsh chemicals or abrasive materials.

5.3 Battery and Solar Panel Care

Ensure the solar panel is free from obstructions (e.g., leaves, dirt) that could block sunlight. Regularly check the battery level via the app, especially during prolonged periods of cloudy weather, and charge the camera via USB if necessary.

6. Troubleshooting

Problem	Possible Cause	Solution
Camera not connecting to Wi-Fi	Weak Wi-Fi signal; incorrect password; camera too far from router.	Ensure camera is within Wi-Fi range. Check Wi-Fi password. Confirm router is 2.4GHz. Reset camera and try pairing again.
Battery not charging via solar panel	Solar panel obstructed or not receiving enough direct sunlight; dirty panel surface.	Relocate solar panel to an area with more direct sunlight. Clean the solar panel surface. Check cable connection.
Frequent false alarms	PIR sensitivity too high; detection area too broad; environmental factors (e.g., moving branches, passing cars).	Adjust PIR sensitivity in the app. Customize the detection area to exclude irrelevant zones.
No recording or missing footage	SD card full or corrupted; cloud storage subscription expired; camera offline.	Check SD card status, format or replace if necessary. Verify cloud storage subscription. Ensure camera is online and connected to Wi-Fi.

Problem	Possible Cause	Solution
Poor image quality	Dirty lens; low light conditions; network bandwidth issues.	Clean the camera lens. Ensure adequate lighting for optimal color night vision. Check network speed.

7. Specifications

Feature	Detail
Recommended Use	Outdoor Security
Brand	COOAU
Connectivity Technology	Wireless
Special Features	3MP Image Sensor, AI Human Detection, 15M Night Vision, MicroSD/Cloud Recording, Family Sharing, Detection Area Settings, Smart Sound/Light Alarm, IP65 Waterproof, Two-Way Audio, 130° Wide Angle, Enhanced Antenna
Indoor/Outdoor Use	Outdoor
Compatible Devices	Smartphone, Tablet
Power Source	Battery Powered
Connectivity Protocol	Wi-Fi
Controller Type	APP
Mounting Type	Wall Mount
Color	White
Exterior Material	Plastic
Waterproof Rating	IP65
Shape	Oval
Alert Type	Motion Only
Room Type	Garage, Hallway

Feature	Detail
Light Source Type	LED
Photo Sensor Resolution	3 MP
Management Method	App
Voltage	5 Volts (DC)
Batteries Required	Yes
Field of View	130 Degrees
Focus Function	Auto Focus
Digital Zoom	4x
Photo Sensor Technology	CMOS
Night Vision Range	15 Meters
Night Vision Type	Color Night Vision
Product Dimensions	5.5 x 5 x 10.5 cm
Product Weight	215 grams
UPC	889328500238
Model Number	aaa

8. Warranty Information

COOAU offers a **12-month quality guarantee** for this product from the date of purchase. This warranty covers manufacturing defects and ensures the product meets its specified quality standards. Please retain your proof of purchase for warranty claims.

9. Customer Support

Should you encounter any issues or have questions regarding your COOAU Wireless Outdoor Security Camera, please contact our customer support team.

- **Via Order History:** You can contact the seller directly through your order history on the platform where you purchased the product.
- **Official Email:** Reach out to our official customer support email address for assistance. (Specific email address not provided in source data, please refer to product packaging or official website for details).

Our team is dedicated to providing the best possible support and ensuring your satisfaction.

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