**COOAU AR-W607**

# COOAU 4G AOV Solar Outdoor Security Camera User Manual

Model: AR-W607

## INTRODUCTION

Thank you for choosing the COOAU 4G AOV Solar Outdoor Security Camera. This manual provides essential information for setting up, operating, and maintaining your camera to ensure optimal performance and security. This camera offers 24/7 continuous recording, 360° pan-tilt-zoom (PTZ) capabilities, advanced AI detection with human tracking, and clear night vision, all powered by solar energy and 4G connectivity.

## PRODUCT OVERVIEW

### Components Included

- 1 x COOAU 4G AOV Security Camera
- 1 x Solar Panel
- 1 x Screw Pack for installation
- 1 x Data Cable
- 1 x Instruction Manual (this document)
- 1 x Solar Panel Bracket

### Key Features

- **24/7 Continuous Recording:** Utilizes AOV technology for constant surveillance.
- **4G SIM Connectivity:** Operates without Wi-Fi, ideal for remote locations. Includes an integrated eSIM with 7 days of unlimited data.
- **2K Ultra HD & 360° PTZ:** Provides clear 2K resolution and full panoramic coverage via mobile app control.
- **AI Human Detection & Auto-Tracking:** Intelligently identifies and follows human movement up to 30 meters, minimizing false alarms.
- **Full-Color Night Vision:** Integrated infrared LEDs and white fill light deliver vivid color images up to 20 meters at night.
- **IP66 Weatherproof:** Designed to withstand heavy rain, extreme heat, and freezing temperatures.
- **Dual Storage Options:** Supports cloud storage and local storage (up to 128GB memory card, not included).
- **Two-Way Audio:** Remote communication with a voice changer for privacy.

## SETUP

## 1. Unboxing and Initial Check

Carefully unpack all components and verify that all items listed in the 'Components Included' section are present and undamaged.

## 2. SIM Card Installation (Optional)

The camera comes with an integrated eSIM offering 7 days of unlimited data. If you wish to use your own 4G SIM card, locate the SIM card slot on the camera body. Insert your activated 4G SIM card according to the diagram provided in the quick start guide. Ensure it is correctly seated.

## 3. Battery Charging

The camera includes a built-in Lithium-Ion battery (1 C cell). For optimal performance, fully charge the camera using the provided data cable before initial installation. The solar panel will maintain the charge after installation.

## 4. Mobile App Installation

Download the official COOAU Cam app from your smartphone's app store (iOS or Android). Follow the in-app instructions to create an account and add your camera by scanning the QR code on the device.

## 5. Mounting the Camera and Solar Panel

This camera is designed for DIY outdoor installation. Choose a location that provides the desired surveillance coverage and ensures the solar panel receives sufficient direct sunlight throughout the day for continuous power. Use the provided screw pack and solar panel bracket to securely mount the camera and solar panel. Connect the solar panel to the camera using the data cable.



Image: The COOAU 4G AOV Solar Security Camera mounted on a tree, powered by its solar panel, highlighting its 365-day solar energy capability and 10000 mAh battery. Ensure the solar panel is installed in a location with ample sunlight.

## OPERATING INSTRUCTIONS

## 1. Live View and Recording

Open the COOAU Cam app to access the live feed from your camera. The AOV technology enables 24/7 continuous recording. The camera intelligently switches to a power-saving mode when no motion is detected and immediately activates full-screen recording upon detecting activity.

## ¿Por qué elegir una cámara AOV?

Frente a las cámaras PIR tradicionales que solo graban eventos activados, el modo AOV (Video Continuo) vigila activamente el entorno, permitiendo grabación de bajo consumo 24/7 para una protección fiable de su propiedad

1fps/s

Algoritmo IA: activación rápida de 25 ms

25fps/s

Movimiento detectado

Nota: Cuanto más corto sea el intervalo de tiempo entre cada fotograma, más frecuente será la detección y más corta será la duración de la batería

Image: The camera's ability to record continuously, day and night, with examples of footage captured at various times.

## 2. Pan-Tilt-Zoom (PTZ) Control

From the app, you can easily control the camera's 360° rotation (355° pan, 90° tilt) to get a panoramic view. Use the on-screen controls to adjust the camera's angle as needed.
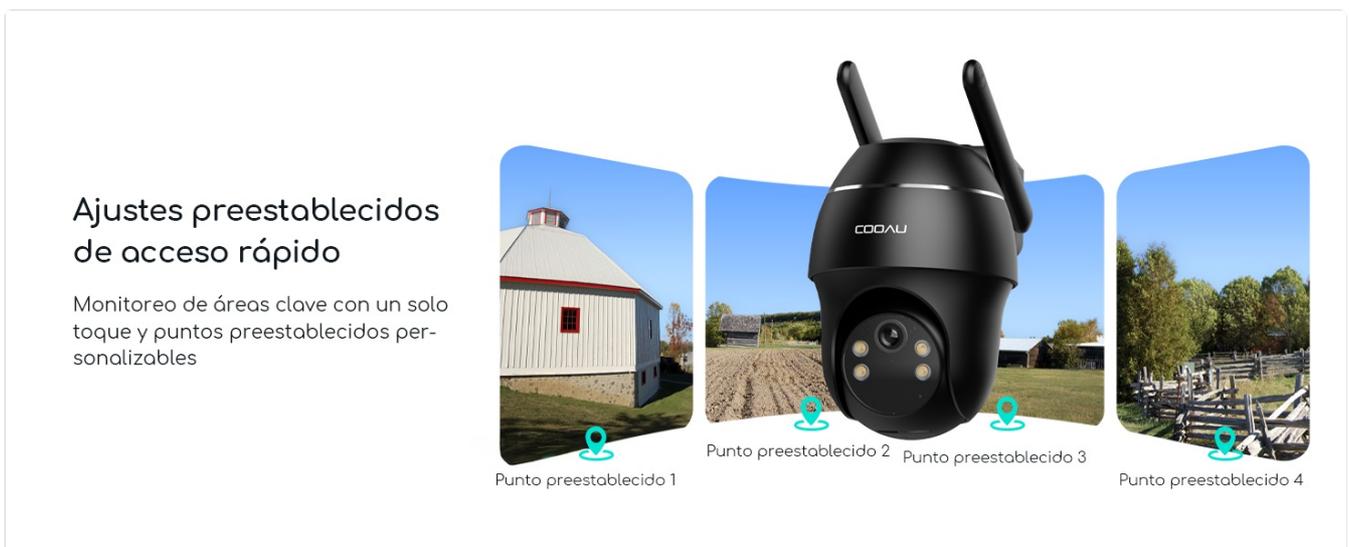


### Ajustes preestablecidos de acceso rápido

Monitoreo de áreas clave con un solo toque y puntos preestablecidos personalizables

Punto preestablecido 1

Punto preestablecido 2  Punto preestablecido 3

Punto preestablecido 4

Image: Panoramic 360° PTZ monitoring, controlled in real-time via mobile, keeping everything under control.

## 3. AI Detection and Auto-Tracking

Activate AI human detection and auto-tracking in the app settings. The camera will precisely detect and follow human movement up to 30 meters, ignoring interference from animals or vegetation. Instant alerts are triggered upon detection of vehicles and people, accompanied by sound and visual alarms to deter intruders.

## Monitoreo cuádruple

¡Expande tu seguridad con un solo clic! Sincroniza varias cámaras y monitorea toda tu casa en tiempo real

Cámara COOAU

Vista en una sola pantalla

Image: Smart detection and automatic tracking. The camera detects and follows people automatically, keeping you informed of all critical activity.

## 4. Night Vision Modes

The camera offers full-color night vision up to 20 meters using integrated infrared LEDs and white fill light. You can switch between infrared night vision and full-color night vision modes via the app.



## Detección inteligente con IA

La sensibilidad se puede controlar libremente y las falsas alarmas se pueden restablecer a cero

Bajo          Medio          Alto

Image: Comparison of infrared night vision mode and color night vision mode, demonstrating clear visibility in low-light conditions.

## 5. Two-Way Audio

Use the two-way audio feature in the app to communicate remotely with visitors or deter intruders. A voice changer option is available for enhanced privacy.

Image: Two-way audio. Remote monitoring and two-way conversation with voice changer for greater privacy.

# 6. Quadruple Monitoring

Expand your security by synchronizing multiple COOAU cameras and monitoring them all in real-time from a single screen within the app.



Image: Quadruple monitoring. Expand your security with a single click! Sync multiple cameras and monitor your entire home in real-time.

# MAINTENANCE

## 1. Cleaning

Regularly clean the camera lens and solar panel with a soft, damp cloth to ensure clear images and efficient solar charging. Avoid using harsh chemicals or abrasive materials.

## 2. Firmware Updates

Check the COOAU Cam app periodically for firmware updates. Keeping your camera's firmware up-to-date ensures optimal performance, security, and access to new features.

## 3. Storage Management

The camera supports dual backups via cloud storage and local storage (up to 128GB memory card). Regularly review and

manage your stored footage to free up space if needed, especially for local storage.



Image: Half storage, double clarity. More fluid than H.264, no icon loading or choppy images, saving 50% storage.

## TROUBLESHOOTING

- **Camera not powering on:** Ensure the battery is charged and the solar panel is connected and receiving sufficient sunlight.

- **No 4G connection:** Verify that your SIM card is active and has data. Check the signal strength in the camera's location via the app.

- **Poor image quality:** Clean the camera lens. Ensure there are no obstructions. Check your network connection speed.

- **False alarms:** Adjust the AI detection sensitivity settings in the app. Ensure the camera is positioned to minimize detection of non-human movement.

- **PTZ control unresponsive:** Check your app's connection to the camera. Ensure there are no physical obstructions preventing movement.

## SPECIFICATIONS

| | |
|---|---|
| **Model Number** | AR-W607 |
| **Color** | Black |
| **Video Capture Resolution** | 2K |
| **Connectivity Technology** | 4G LTE Wireless Connectivity |
| **Special Feature** | 24/7 Continuous Recording |
| **Indoor/Outdoor Use** | Outdoor |
| **Power Source** | Solar Panel, Lithium-Ion Battery |
| **Voltage** | 5 Volts |
| **Wattage** | 5 Watts |
| **Product Dimensions** | 16 x 15 x 9 cm |
| **Product Weight** | 1.2 kg |

| Battery Type | Lithium Ion (1 C cell included) |
|---|---|
| Storage | Cloud Storage, Local Storage (up to 128GB MicroSD, not included) |
| Weather Resistance | IP66 |
| Operating Temperature | -15°C to 50°C |

## WARRANTY & SUPPORT

COOAU offers a two-year warranty for your peace of mind. Our dedicated team provides 24/7 technical support to resolve any queries you may have, typically within 24 hours.

### Contact Information

For professional assistance or warranty claims, please contact us:

**Email:** support-eu@cooau.com

Image: Strong IP66 protection. Fearless in bad weather, resistant to rain, snow, dust, and sun. Functions between -15°C and 50°C.