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COOAU G3 Pro

COOAU G3 Pro Outdoor Solar Security Camera User Manual

Model: G3 Pro

1. Introduction

Thank you for choosing the COOAU G3 Pro Outdoor Solar Security Camera. This manual provides essential information for setting up, operating, and maintaining your camera. The G3 Pro features an 8MP dual-lens system, 24/7 power-saving recording, 360° all-direction tracking, 30M long-distance night vision, AI human/vehicle detection, and a 9W fast-charging solar panel for continuous, wire-free operation.



Figure 1: COOAU G3 Pro Outdoor Solar Security Camera

2. Package Contents

Please check the package to ensure all items are present:

- Solar Powered Security Camera Body x1
- 9W Solar Panel x1
- Mounting Stand x1
- Screws and Anchors x3
- Japanese Instruction Manual x1
- USB Cable x1



Figure 2: Included components in the package.

3. Setup Guide

3.1 Important Pre-purchase Notes:

- This product supports **2.4GHz Wi-Fi only** (5GHz is not supported).
- The camera requires an active internet (Wi-Fi) environment to function.
- This product is compatible with the **"COOAU Cam"** and **"CloudEdge"** applications.

3.2 Initial Setup:

1. **Download the App:** Search for "COOAU Cam" or "CloudEdge" in your smartphone's app store (iOS or Android) and install it.
2. **Account Registration:** Open the app and register for a new account or log in if you already have one.
3. **Power On the Camera:** Ensure the camera is charged or connected to the solar panel in sufficient sunlight.
4. **Connect to Wi-Fi:**
    - In the app, select to add a new device.
    - The camera uses the latest automatic identification and Wi-Fi connection technology. It will automatically search for nearby cameras and perform one-touch automatic pairing.
    - Follow the on-screen instructions in the app to complete the Wi-Fi connection. This process is designed to be intuitive for beginners.

3.3 Installation:

The COOAU G3 Pro is designed for easy, wireless installation without complex wiring. It can be mounted on various surfaces like concrete, wood, or brick walls.

1. **Choose a Location:** Select an outdoor location with good Wi-Fi signal and sufficient sunlight for the solar panel. Consider areas like entrances, parking lots, or eaves.
2. **Mount the Camera:** Use the provided mounting stand, screws, and anchors to securely attach the camera to your chosen surface.
3. **Position the Solar Panel:** Ensure the solar panel is positioned to receive maximum direct sunlight throughout the day for optimal charging.

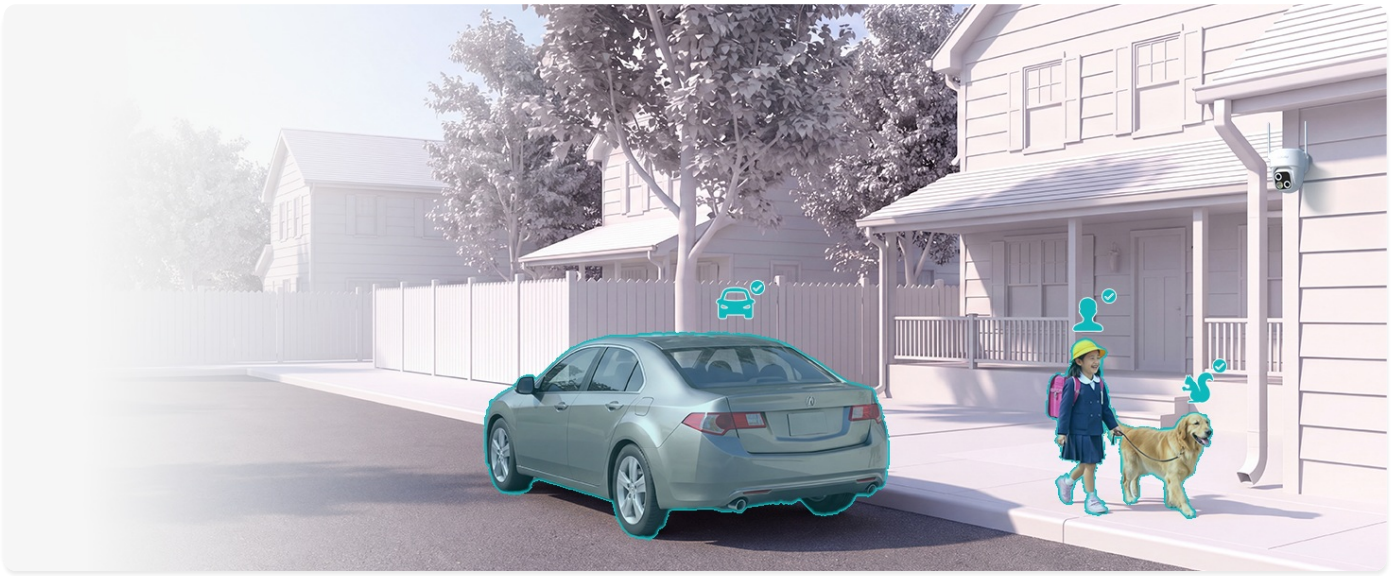


Figure 3: Easy wireless installation with external 5dBi antenna.

For visual guidance, setup and installation reference videos are available. Please check the product page or contact support for links.

4. Operating Instructions

4.1 Dual Lens System (8MP Total Resolution)

The camera features a 5-megapixel ultra-wide-angle lens and a 3-megapixel zoom lens. This dual-lens system allows for simultaneous capture of a wide overview and detailed close-ups, enhancing evidence completeness. The 140° ultra-wide angle covers your entire property, while the 18x zoom captures fine details like faces or license plates without loss of quality.



Figure 4: Dual lens system for comprehensive and detailed monitoring.

4.2 24/7 Continuous Recording with Solar Power

Utilizing cutting-edge power-saving AOV technology, the G3 Pro provides 24/7 uninterrupted continuous recording. The included 9W ultra-large fast-charging solar panel and 10000mAh large-capacity battery ensure efficient energy storage even with minimal sunlight, making it reliable during rainy seasons or winter. This eliminates the common issues of traditional solar cameras, such as delayed detection or insufficient charging.



Figure 5: Comparison of 24/7 recording with traditional battery cameras.

4.3 Smart Low-Temperature Protection & All-Weather Design

The camera features a proprietary smart low-temperature charging protection system that automatically adjusts the battery's ambient temperature using solar energy. This ensures continuous charging even below freezing temperatures (down to -20°C). With IP65 waterproof and dustproof performance, the camera operates stably under harsh weather conditions, including rain, dust, and strong sunlight.



Figure 6: Smart low-temperature protection for stable operation in cold climates.

4.4 Advanced Night Vision & 360° Auto-Tracking

Equipped with powerful infrared LEDs and advanced noise reduction technology, the camera provides clear night vision up to 30 meters, even in complete darkness. It supports both full-color and infrared night vision modes. The 360° auto-tracking feature automatically follows suspicious individuals approaching your property, ensuring the entire event is recorded without interruption. Additionally, it can detect anomalies before intruders get close and activate high-brightness spotlights and sound alarms to deter them.

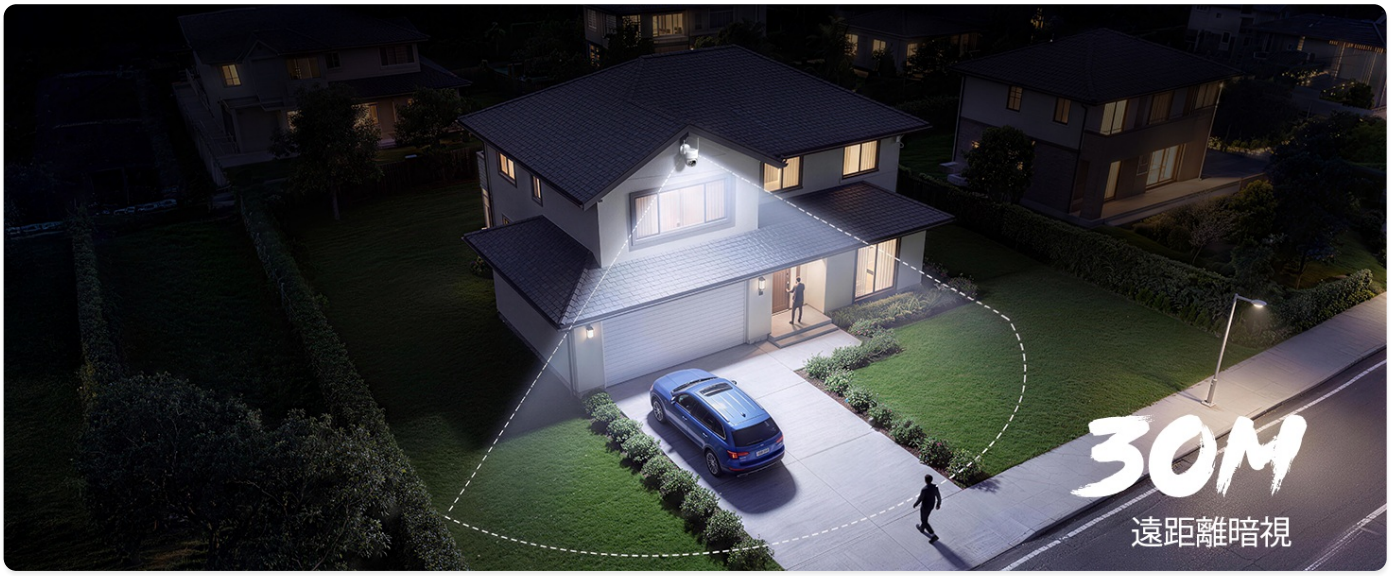


Figure 7: 30-meter long-distance night vision capability.

4.5 Ultra-Fast AI Detection & Two-Way Audio with Voice Changer

The G3 Pro integrates the latest AI image processing chip for instant recognition and analysis of on-screen information. It detects and identifies humans, pets, and vehicles up to 30 meters away for free, sending only necessary notifications via the app. You can customize detection zones and sensitivity to avoid false alarms from swaying leaves or insects. The built-in high-sensitivity microphone and speaker enable clear, real-time two-way communication from your smartphone. For added security, especially for women living alone or the elderly, it includes three voice changer modes to protect your identity during communication.



Figure 8: AI detection for humans, pets, and vehicles with auto-tracking.



Figure 9: Two-way audio with voice changer for enhanced privacy.

4.6 Storage Options & Smart Features

The camera offers two recording storage methods:

- **Memory Card:** Supports up to 256GB (sold separately).
- **Free Cloud Storage:** Provides permanent free cloud storage for 6-second recordings with a 7-day automatic overwrite function, ensuring long-term recording peace of mind.

Additional smart features include:

- **Multi-Device Management:** Manage multiple cameras centrally, with the option to view footage from up to 4 cameras simultaneously on one screen.
- **Family Sharing:** Easily share real-time camera access with close friends and family by simply scanning a QR code.
- **Alexa Compatibility:** Integrate with Amazon Alexa. Simply say "Alexa, show me the entrance/garden" to view live footage on your Alexa-enabled device.
- **Privacy Mode:** Activate a privacy mode to temporarily disable recording and live view when needed.

5. Maintenance

- **Clean the Lens:** Regularly wipe the camera lenses and solar panel with a soft, damp cloth to ensure clear image quality and efficient charging.
- **Check Wi-Fi Connection:** Periodically verify the camera's Wi-Fi connection strength in the app to ensure stable operation.
- **Firmware Updates:** Keep the camera's firmware updated through the app to benefit from the latest features and security enhancements.
- **Battery Health:** Monitor battery levels via the app, especially during prolonged periods of low sunlight.

6. Troubleshooting

Common Issues and Solutions:

- **Camera not connecting to Wi-Fi:**
  - Ensure your Wi-Fi network is 2.4GHz. 5GHz networks are not supported.
  - Check if the camera is within range of your Wi-Fi router. The 5dBi dual antenna provides enhanced range, but

extreme distances or multiple obstacles can affect connectivity.
    - Restart your router and the camera, then try connecting again.
    - Verify that you are using the correct Wi-Fi password.
- **Poor image quality or night vision:**
    - Clean the camera lenses to remove any dust or smudges.
    - Ensure there are no obstructions blocking the camera's view, especially at night.
    - Check the night vision settings in the app (full-color vs. infrared).
- **Motion detection not working or too many false alarms:**
    - Adjust the motion detection sensitivity in the app.
    - Set specific detection zones to exclude busy public areas or objects prone to movement (e.g., trees swaying in the wind).
    - Ensure the camera's firmware is up to date.
- **Battery not charging or draining quickly:**
    - Ensure the solar panel is clean and receiving direct sunlight for several hours daily.
    - Check the connection between the solar panel and the camera.
    - In extremely cold conditions, while the smart low-temperature protection helps, prolonged periods without sunlight can still affect battery performance.

If you encounter issues not listed here or require further assistance, please refer to the support section.

7. Specifications

Feature	Specification
Brand	COOAU
Model Number	G3 Pro
Connectivity Technology	Wireless (Wi-Fi 2.4GHz only)
Special Features	8MP Dual Lens (5MP Wide-angle + 3MP Zoom), 24/7 AOV Recording, 9W Fast Charging Solar Panel, Auto-Tracking, 30m Night Vision, Smart AI Detection, External 5dBi Antenna
Usage Environment	Outdoor
Compatible Devices	Smartphones, Tablets
Power Source	Solar/Battery Powered
Controller Type	Cloud Edge/COOAU CAM App
Mounting Type	Wall Mount (Concrete, Wood, Brick, etc.)

Feature	Specification
Video Capture Resolution	1920p (3K)
Digital Zoom Magnification	18x
Photo Sensor Technology	CMOS
Product Dimensions	13 x 12 x 12 cm
Waterproof Rating	IP65
Video Encoding Format	H.265
Video Capture Format	MP4
Night Vision Range	30 meters
UPC	790864718516, 790864718547

8. Warranty and Support

COOAU is committed to 100% high quality and reliability for its products.

- **Standard Warranty:** Your COOAU G3 Pro camera comes with a**24-month warranty** from the date of purchase.
- **Extended Warranty:** A special **12-month extended warranty plan** is available for members. Please refer to the product registration process or contact support for details on how to activate this.
- **Return Policy:** We offer **30-day free returns**.
- **Customer Service:** For pre-purchase consultations, product questions, or in the unlikely event of a defect, new product replacement or refund is possible. Please contact our customer service team with confidence.
- **Contact Information:** You can reach our official email address (provided on the product packaging or website) during business hours (Monday-Friday, 9:00-18:00 JST). Alternatively, you can contact the seller directly through your Amazon order history.
- **Video Tutorials:** Setup and installation reference videos are available to assist you.

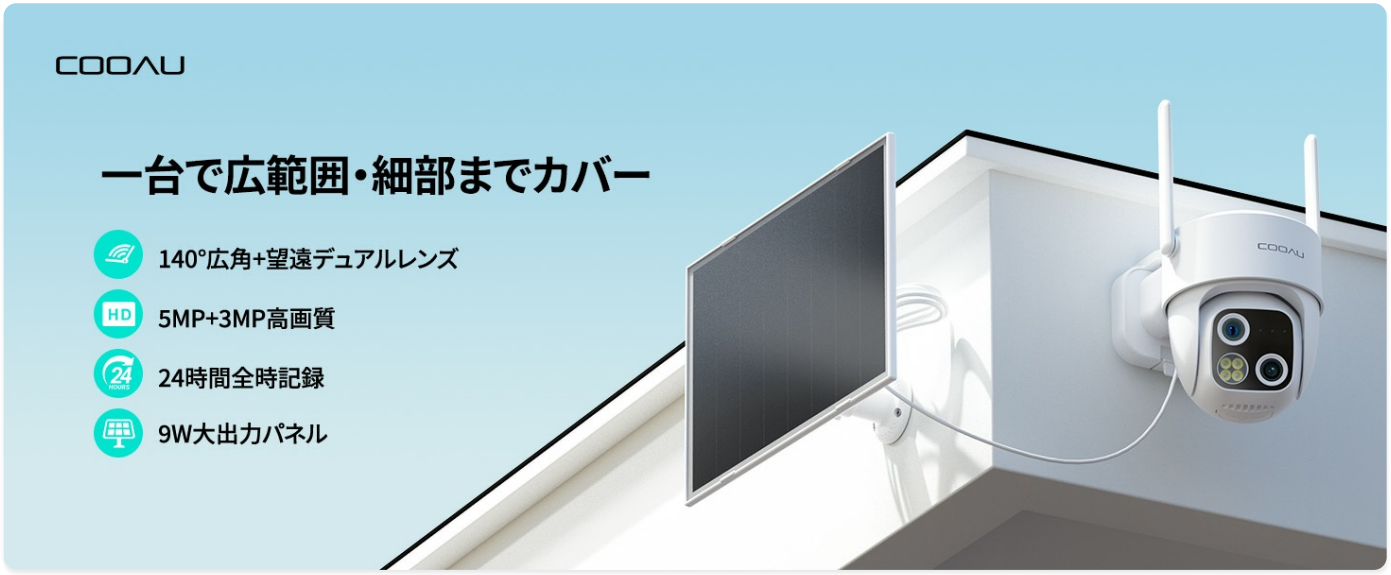


Figure 10: COOAU's commitment to quality, warranty, and customer support.

9. Product Videos

Watch these official product videos for a visual guide to the COOAU G3 Pro's features and operation.

9.1 Product Overview

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Video 1: A general overview of the COOAU G3 Pro camera and its main functionalities.

9.2 Key Features Demonstration

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Video 2: A demonstration of the camera's key features, including dual lens, night vision, and AI detection.

9.3 Installation and App Usage

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Video 3: A guide on how to install the camera and navigate the companion mobile application.

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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.

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