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COOAU ZS-GX2S

COOAU 2K Outdoor Security Camera with Solar Panel User Manual

Model: ZS-GX2S

Product Overview

The COOAU 2K Outdoor Security Camera with Solar Panel is a wireless WLAN IP camera designed for outdoor surveillance. It features 2K resolution for clear imaging, smart PIR detection for accurate alerts, and both color and infrared night vision capabilities. Powered by a large-capacity rechargeable battery and a solar panel, it offers continuous operation without the need for constant recharging. The camera also includes two-way audio, sound and light alarms, and supports cloud storage for recorded footage.



Figure 1: COOAU 2K Outdoor Security Camera with Solar Panel. This image shows the main camera unit connected to its solar panel, ready for outdoor installation.

Package Contents

Before you begin, please check the package contents to ensure all items are present and in good condition.

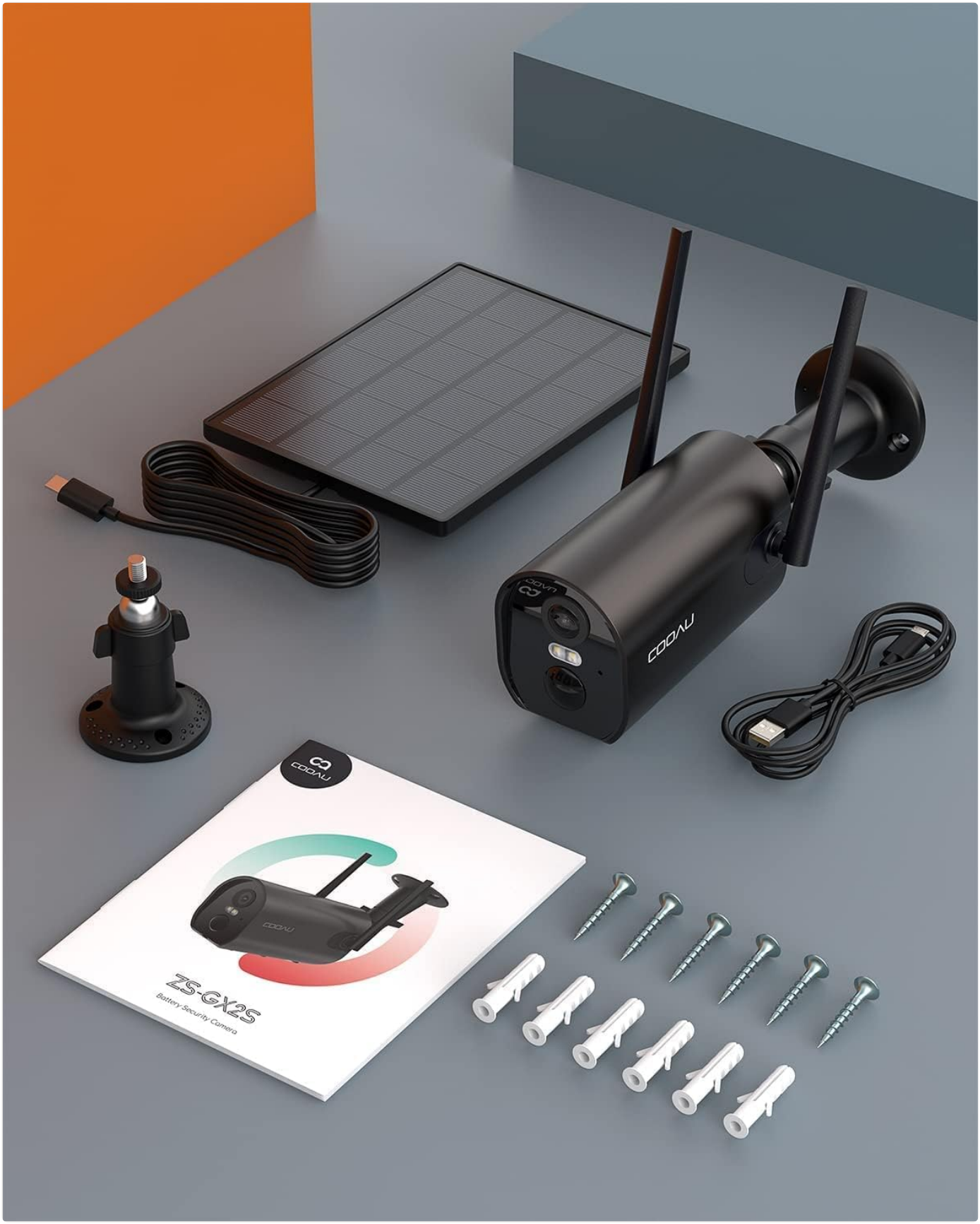


Figure 2: Package Contents. The image displays the camera, solar panel, mounting brackets, screws, USB cable, and user manual included in the box.

- COOAU 2K Outdoor Security Camera
- Solar Panel
- Mounting Bracket for Camera
- Mounting Bracket for Solar Panel
- USB Charging Cable

- Screws and Wall Plugs
- User Manual

Setup Guide

1. Initial Charging and Power

Before first use, fully charge the camera's built-in battery using the provided USB cable. Connect the solar panel to the camera for continuous power supply after installation.

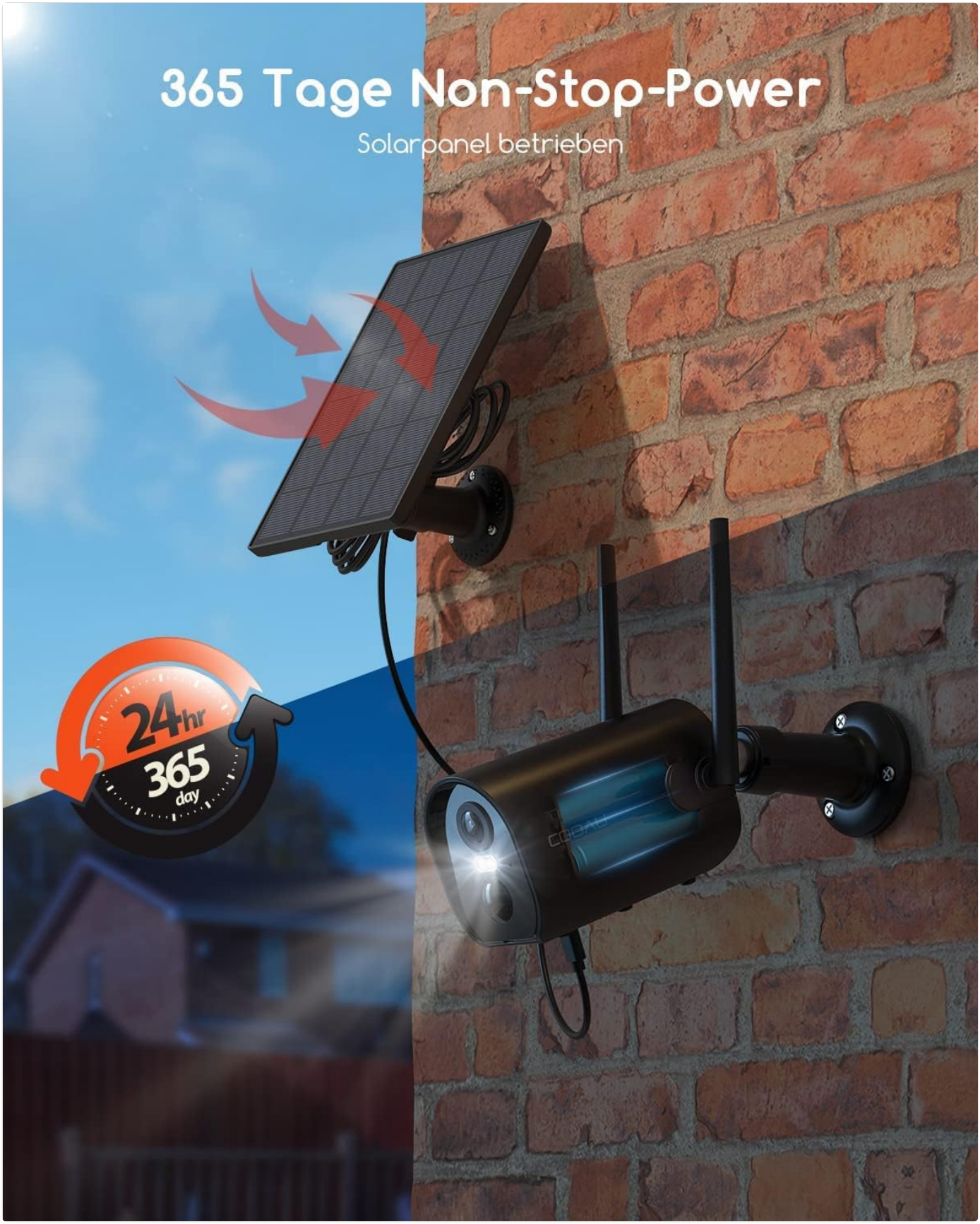


Figure 3: Continuous Power with Solar Panel. This image illustrates the camera receiving power from the solar panel, ensuring 365 days of non-stop operation.

The solar panel ensures the camera remains charged, providing uninterrupted protection. Ensure the solar panel is placed in an area with ample direct sunlight.

2. App Installation and Camera Pairing

1. **Download the App:** Search for the "Cloud Edge" app on your smartphone's app store (iOS or Android) and install it.

2. **Create Account:** Open the app and register for a new account or log in if you already have one.
3. **Add Device:** Follow the in-app instructions to add your camera. This typically involves scanning a QR code on the camera or its packaging, and connecting to your 2.4GHz Wi-Fi network.



Figure 4: Remote Operation and Family Sharing. The image shows a user interacting with the camera feed on a smartphone, highlighting the ability to monitor multiple scenes and share access with family members.

3. Mounting the Camera

Choose a suitable location for your camera that provides the desired viewing angle and is within range of your Wi-Fi network. The camera is 100% wireless, simplifying installation.

1. **Mark Drilling Points:** Use the mounting bracket as a template to mark the screw holes on the wall.
2. **Drill Holes:** Drill holes at the marked points and insert the wall plugs.
3. **Secure Bracket:** Attach the camera mounting bracket to the wall using the provided screws.
4. **Attach Camera:** Secure the camera to the mounting bracket and adjust its angle as needed.
5. **Mount Solar Panel:** Mount the solar panel in a location that receives maximum direct sunlight throughout the day, then connect its cable to the camera.



Figure 5: Easy Installation. This image demonstrates the straightforward, wireless installation process of the camera, emphasizing no complex wiring or trenching is required.

Operating Instructions

1. Live View and Resolution

Once connected, you can access the live feed from your camera via the "Cloud Edge" app. The camera provides a 2K resolution image, capturing more light and reducing image noise compared to 1080P cameras.



Figure 6: 2K Full HD and 4x Digital Zoom. This image highlights the camera's upgraded 2K resolution and optical improvements for clearer, more detailed images and videos, even in low light.

2. Motion Detection (PIR)

The camera is equipped with smart PIR (Passive Infrared) detection to accurately identify human motion and minimize false alarms. You can adjust the sensitivity levels within the app.



Figure 7: PIR Person Detection. The image shows the camera's 130° wide-angle view and adjustable sensitivity settings (1-10) for precise human detection, filtering out up to 90% of false alarms.

- Receive instant notifications on your smartphone when motion is detected.
- Customize detection zones and sensitivity in the app settings.

3. Night Vision Capabilities

The camera offers advanced night vision, including full-color night vision and traditional infrared (black and white) night

vision. This ensures clear visibility even in complete darkness.



Figure 8: Strong Night Protection. This image demonstrates the camera's ability to provide both color night vision (top) and infrared night vision (bottom), ensuring 100% security at night with deterrence from spotlights and sirens.

4. Two-Way Audio

Communicate with visitors or deter intruders using the built-in microphone and speaker for two-way audio communication.



Figure 9: Two-Way Audio. The image shows a person at a door, illustrating the camera's two-way audio capability with an integrated microphone for real-time sound capture and a speaker for two-way conversations.

5. Recording and Storage

The camera supports both local storage via an SD card (not included) and optional cloud storage services. Recorded events can be reviewed through the app.

- Insert a microSD card (up to 128GB, Class 10 or higher recommended) into the camera's SD card slot for local recording.

- Subscribe to cloud storage plans via the app for secure, off-site storage of your video footage.

Maintenance

- **Cleaning:** Regularly wipe the camera lens and solar panel with a soft, damp cloth to ensure clear images and efficient solar charging. Avoid abrasive cleaners.
- **Battery Health:** While the solar panel provides continuous power, ensure it is free from obstructions (leaves, snow) that might block sunlight. Check battery status in the app periodically.
- **Firmware Updates:** Keep your camera's firmware updated through the app to ensure optimal performance, security, and access to new features.

Troubleshooting

Problem	Possible Cause	Solution
Camera not connecting to Wi-Fi	Incorrect Wi-Fi password; Camera too far from router; Only supports 2.4GHz Wi-Fi.	Verify password; Move camera closer to router or use a Wi-Fi extender; Ensure your router is set to 2.4GHz or has a mixed mode.
Frequent false alarms	PIR sensitivity too high; Environmental factors (e.g., swaying trees, passing cars).	Adjust PIR sensitivity settings in the app; Reposition the camera to avoid busy areas or objects that cause motion.
Battery not charging	Solar panel obstructed or not receiving enough sunlight; Faulty connection.	Ensure solar panel is clean and in direct sunlight; Check the connection cable between the solar panel and camera.
No recording to SD card	SD card full, corrupted, or not inserted correctly; Incorrect recording settings.	Format the SD card in the app; Reinsert the SD card; Check recording settings in the app.

Specifications

Feature	Detail
Model	ZS-GX2S (Part Number: 05234)
Color	Black
Effective Video Resolution	2K (2048x1536 pixels, upgraded from 1080P)
Power Source	Battery Powered (with Solar Panel for continuous charging)
Voltage	5 Volts
Wattage	1 Watt
Connectivity Technology	Wireless (WLAN, 2.4GHz Wi-Fi)
Key Features	Night Vision (Color & Infrared), Local Recording (SD Card), PIR Detection, Two-Way Audio, Sound & Light Alarm
Compatible Devices	Smartphone (iOS, Android)
Product Dimensions (LxWxH)	19.2 x 14.2 x 11.5 cm

Feature	Detail
Weight	610 grams

Warranty and Support

COOAU provides a **24-month warranty** for this product, ensuring peace of mind regarding manufacturing defects and performance issues. We are committed to providing excellent customer service.

- **Lifetime Technical Support:** Our dedicated team offers lifetime technical assistance for any questions or issues you may encounter.
- **24/7 Online Customer Service:** For immediate assistance, our customer service is available 24 hours a day, 7 days a week.

For support, please refer to the contact information provided in the product packaging or visit the official COOAU website.

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Details

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