

AOSU C4L2CA11

AOSU 2K Security Camera Outdoor User Manual

Model: C4L2CA11

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your AOSU 2K Security Camera Outdoor. Please read this manual thoroughly before using the product to ensure proper function and safety. The AOSU 2K Security Camera offers advanced surveillance features including high-resolution video, intelligent motion detection, and flexible connectivity options to enhance your home security.

2. PRODUCT OVERVIEW

2.1 Key Features

- **2K QHD Resolution:** Captures sharper and clearer videos with 2560 x 1440 resolution and a 180° horizontal pan for a 270° field of view.
- **Color Night Vision:** Equipped with powerful spotlights to provide vivid, full-color video even in low-light conditions.
- **Auto Tracking:** Automatically tracks and follows moving objects or persons within its 270° view range.
- **Auto-Cruise:** Configures the camera to scan predefined areas at set intervals, initiating tracking and recording upon motion detection.
- **Dual-Band WiFi (2.4/5 GHz):** Ensures stable and faster connectivity for smoother live viewing and data transmission.
- **Smart Motion Detection & Instant Alert:** Provides accurate alerts with snapshots and allows for two-way audio communication.
- **Two-Way Audio:** Enables communication with visitors or deterrence of intruders.
- **Local & Cloud Storage:** Supports local storage via SD card (up to 128GB) and optional cloud subscription for continuous recording.
- **Weatherproof Design:** IP65 rated for outdoor use, capable of withstanding various weather conditions.

2.2 Package Contents

- AOSU 2K Security Camera Unit(s)
- Power Adapter
- Mounting Kit (Screws, Wall Anchors)
- User Manual



Figure 2.2.1: AOSU 2K Security Camera (2 Pack)

3. SETUP GUIDE

3.1 App Download & Account Creation

1. Download the AOSU Security App from the App Store (iOS) or Google Play Store (Android).
2. Open the app and create a new account or log in if you already have one.

3.2 Camera Pairing & Wi-Fi Connection

1. Power on the camera using the provided power adapter.
2. Follow the in-app instructions to add your camera. This typically involves scanning a QR code on the

camera or manually entering its ID.

3. Connect the camera to your home Wi-Fi network. The camera supports both 2.4GHz and 5GHz bands for optimal performance. Ensure your router is within range.

2.4 & 5Ghz Dual-Brand WiFi

More stable and smoother



Figure 3.2.1: Dual-Band WiFi Connectivity

3.3 Physical Installation

Choose a suitable outdoor location for your camera, ensuring it has a clear view of the area you wish to monitor and is within Wi-Fi range. Use the mounting kit to securely attach the camera to a wall or other stable surface. Ensure the power cable is routed safely and protected from the elements.

Video 3.3.1: Aosu C4L Outdoor Security Camera Installation Guide. This video demonstrates the step-by-step process for

4. OPERATING INSTRUCTIONS

4.1 Live View & Playback

Access the live feed of your camera through the AOSU Security App. You can pan the camera horizontally up to 180° to adjust the viewing angle. Recorded footage can be accessed and played back from the app, stored either on a local SD card or in the cloud.

270° Field of View

Pan 180° to expand field of view



Figure 4.1.1: 270° Field of View with 180° Pan

4.2 Motion Detection & Alerts

The camera features intelligent motion detection. When motion is detected, you will receive instant alerts on your smartphone with snapshots. You can customize detection zones and sensitivity settings within the app.

4.3 Auto Tracking

Enable Auto Tracking in the app to have the camera automatically follow and record moving objects or individuals within its field of view. This ensures critical events are captured even if the subject moves across the scene.

Video 4.3.1: AOSU 2K Security Camera Outdoor with Auto Tracking. This video demonstrates the auto-tracking capabilities of the camera as it follows a person.

4.4 Auto-Cruise

The Auto-Cruise feature allows you to set specific points or areas for the camera to periodically scan. If motion is detected during a scan, the camera will automatically track and record the event.

Auto Tracking

Always lock and track the focus

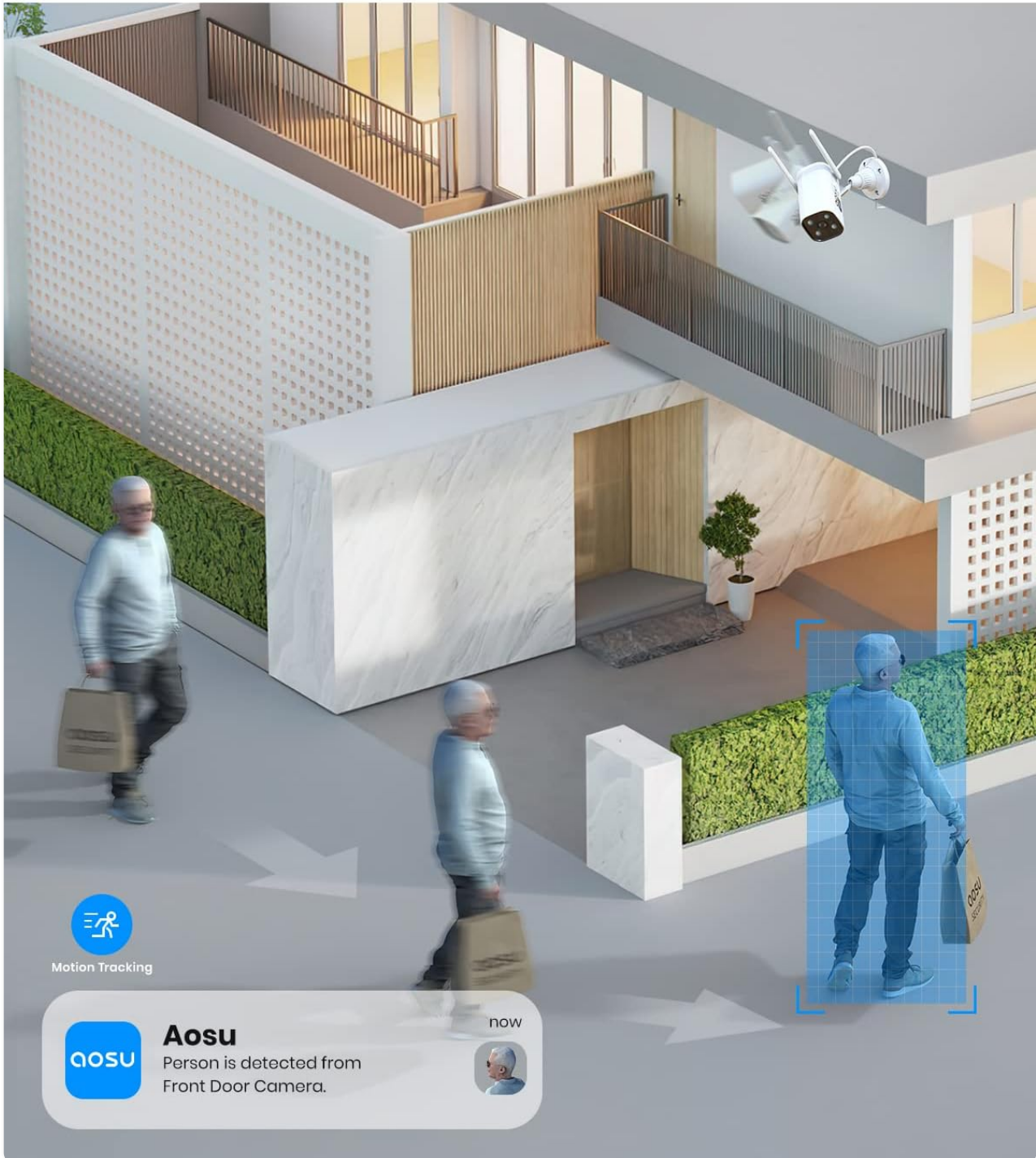


Figure 4.4.1: Auto-Cruise Functionality

4.5 Two-Way Audio

Utilize the built-in microphone and speaker for two-way communication. This allows you to speak to visitors or

deter unwanted individuals directly through the camera via the app.

4.6 Night Vision

The camera provides clear night vision. With the spotlights activated, it delivers full-color night vision, making details more discernible than traditional black and white infrared night vision.

Full-color Night Vision

Peace of mind at night



Figure 4.6.1: Full-Color Night Vision with Spotlights

5. MAINTENANCE

- **Cleaning:** Regularly clean the camera lens with a soft, dry cloth to ensure clear image quality. Avoid using harsh chemicals.
- **Firmware Updates:** Keep your camera's firmware updated through the AOSU Security App to ensure optimal performance and access to new features.
- **Connection Check:** Periodically check the power and network connections to ensure they are secure and free from damage.
- **SD Card Management:** If using local storage, regularly check the SD card status in the app and format it as needed to maintain recording efficiency.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera offline	No power, Wi-Fi disconnected, weak signal	Check power connection. Verify Wi-Fi signal strength and router status. Restart camera and router.
Poor image quality	Dirty lens, low light, network bandwidth	Clean the lens. Ensure adequate lighting or enable color night vision. Check network speed.
No motion alerts	Motion detection off, sensitivity too low, incorrect zones	Enable motion detection in app. Adjust sensitivity and detection zones.
SD card not recording	SD card full, corrupted, or incompatible	Format or replace the SD card. Ensure it's a compatible class 10 or higher.

If you encounter issues not listed here or require further assistance, please contact AOSU Customer Support.

7. SPECIFICATIONS

- **Model:** C4L2CA11
- **Video Resolution:** 2K QHD (2560 x 1440)
- **Field of View:** 270 Degrees (180° horizontal pan)
- **Connectivity:** Wired (USB-A), Wi-Fi (2.4GHz & 5GHz)
- **Power Source:** Corded Electric (6 watts)
- **Storage:** Local (MicroSD up to 128GB), Cloud Subscription
- **Night Vision:** Color Night Vision (with spotlights), Infrared
- **Audio:** Two-Way Audio
- **Weather Resistance:** IP65
- **Compatible Devices:** Smartphone (iOS/Android), Google Nest Hub, Amazon Alexa
- **Dimensions:** 8 x 6 x 5 inches
- **Item Weight:** 2.01 pounds

8. WARRANTY AND SUPPORT

AOSU products are designed for reliability and performance. For warranty information and customer support, please refer to the official AOSU website or contact their customer service directly. Keep your purchase receipt for warranty claims.

AOSU Customer Service: For assistance, visit the [AOSU Store on Amazon](#) or contact support via the AOSU Security App.