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aosu C8S2EA11

AOSU 4K Wireless Outdoor Security Camera System (4-Cam Kit) User Manual

Model: C8S2EA11 | Brand: AOSU

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your AOSU 4K Wireless Outdoor Security Camera System. This system includes four 4K cameras and a HomeCortex AI base station, designed to provide comprehensive home surveillance with advanced features such as face recognition, behavior detection, and dual solar power, all without recurring monthly fees. Please read this manual thoroughly before using the product to ensure proper setup and functionality.



Image 1.1: The AOSU 4K Wireless Outdoor Security Camera System, featuring four cameras and the central HomeCortex unit.

2. PRODUCT OVERVIEW

2.1 Key Features

- **HomeCortex AI:** Provides advanced AI features including video descriptions, smart search, daily security summaries, and wildlife alerts. Supports up to 6 cameras with centralized storage for whole-home awareness.
- **AOSU TrueSight AI:** Combines face recognition and behavior analysis to detect individuals and vehicles, triggering instant alerts for suspicious activity. Footage is AI-organized for quick searches.
- **Built-in Local Storage:** Features 32GB of built-in storage, expandable up to 16TB, ensuring private, encrypted recordings without monthly fees.
- **4K Ultra HD:** True 4K lens with f/1.6 aperture captures clear details day and night. Full-color night vision is enabled by a surrounding light band.
- **Dual Solar Power:** Dual solar panels provide faster charging and stable all-day power, requiring only 2 hours of sunlight for continuous operation.
- **Motion-Activated Alarm:** Integrated light and siren activate upon motion detection to deter intruders.

2.2 Package Contents

Verify that all items listed below are included in your package:

- 1 × AOSU SolarCam Max System 4-Cam Kit
- 1 × HomeCortex Base Station

- 1 × Power Adapter for HomeCortex
- 1 × Ethernet Cable
- 4 × Solar Panels (integrated with cameras)
- 4 × Mounting Kits & Screw Packs
- 1 × User Guide (this document)

3. SETUP GUIDE

3.1 Initial Charging

Before installation, ensure the camera batteries are sufficiently charged. While solar panels provide continuous power, an initial charge via USB-C (cable not included) is recommended for optimal performance, especially if installing in low-light conditions.

3.2 HomeCortex Base Station Setup

1. Connect the HomeCortex base station to your router using the provided Ethernet cable.
2. Plug the power adapter into the HomeCortex and an electrical outlet.
3. Wait for the indicator light on the HomeCortex to turn solid blue, indicating it is ready.

3.3 AOSU App Installation and Camera Pairing

1. Download the AOSU app from your smartphone's app store (iOS or Android).
2. Create an account and log in.
3. Follow the in-app instructions to add your HomeCortex base station.
4. Power on each camera. The cameras will automatically attempt to pair with the HomeCortex. Follow any on-screen prompts in the app to complete the pairing process for each camera.

3.4 Camera Mounting

Select mounting locations that provide optimal surveillance coverage and sufficient sunlight exposure for the integrated solar panels. Ensure the cameras are within Wi-Fi range of the HomeCortex.

1. Use the provided mounting kits and screws to securely attach each camera to a wall or desired surface.
2. Adjust the camera angle to cover the desired area.
3. For best solar charging, position the camera's integrated solar panel to receive direct sunlight for at least 2 hours daily.

Smart Home Ready

Connects to Alexa and Google Assistant so you can check in anytime to see what's going on around your home.



Image 3.1: Quick and easy setup of the wireless AOSU camera system, requiring no complex wiring.

4. OPERATING INSTRUCTIONS

4.1 Using the AOSU App

The AOSU app is the primary interface for managing your security system. It allows you to view live feeds, access recordings, configure settings, and receive alerts.

4.1.1 Live View and Recording

- Open the AOSU app to view live feeds from all connected cameras.
- Tap on a camera feed to view it in full screen.
- Record video manually or capture screenshots directly from the live view.

4K Ultra HD, Every Detail in Clear View



Image 4.1: Example of 4K Ultra HD video quality, capturing fine details like a delivery person's badge and package.

4.1.2 Two-Way Talk

Utilize the two-way talk feature to communicate with individuals near your cameras. The app includes a voice-changing feature for added security.

4.1.3 Motion-Activated Alerts and Alarms

- Receive instant notifications on your smartphone when motion is detected.
- The camera's built-in light and 105dB siren can be configured to activate automatically upon motion detection to deter intruders.

4.1.4 AI Features (HomeCortex & TrueSight)

- **Face Recognition:** The system can identify familiar faces and alert you to unfamiliar individuals.
- **Behavior Detection:** Analyzes activity patterns to distinguish between routine and suspicious behaviors.
- **Vehicle Identification:** Recognizes familiar and unfamiliar vehicles, providing alerts for suspicious ones.
- **Wildlife Alerts:** Identifies and alerts you to the presence of wild animals.

- **Smart Search:** Use simple commands to quickly find specific events, people, vehicles, or objects in your recorded footage.
- **Daily Security Summaries:** Receive concise reports of daily security events.

Seeing with Intelligence

With aosu Truesight, your camera doesn't just watch—it **understands**. It interprets scenes and behaviors to keep you one step ahead.

A man in a grey hoodie and jeans tried to open your vehicle door, triggered the alarm, and fled.

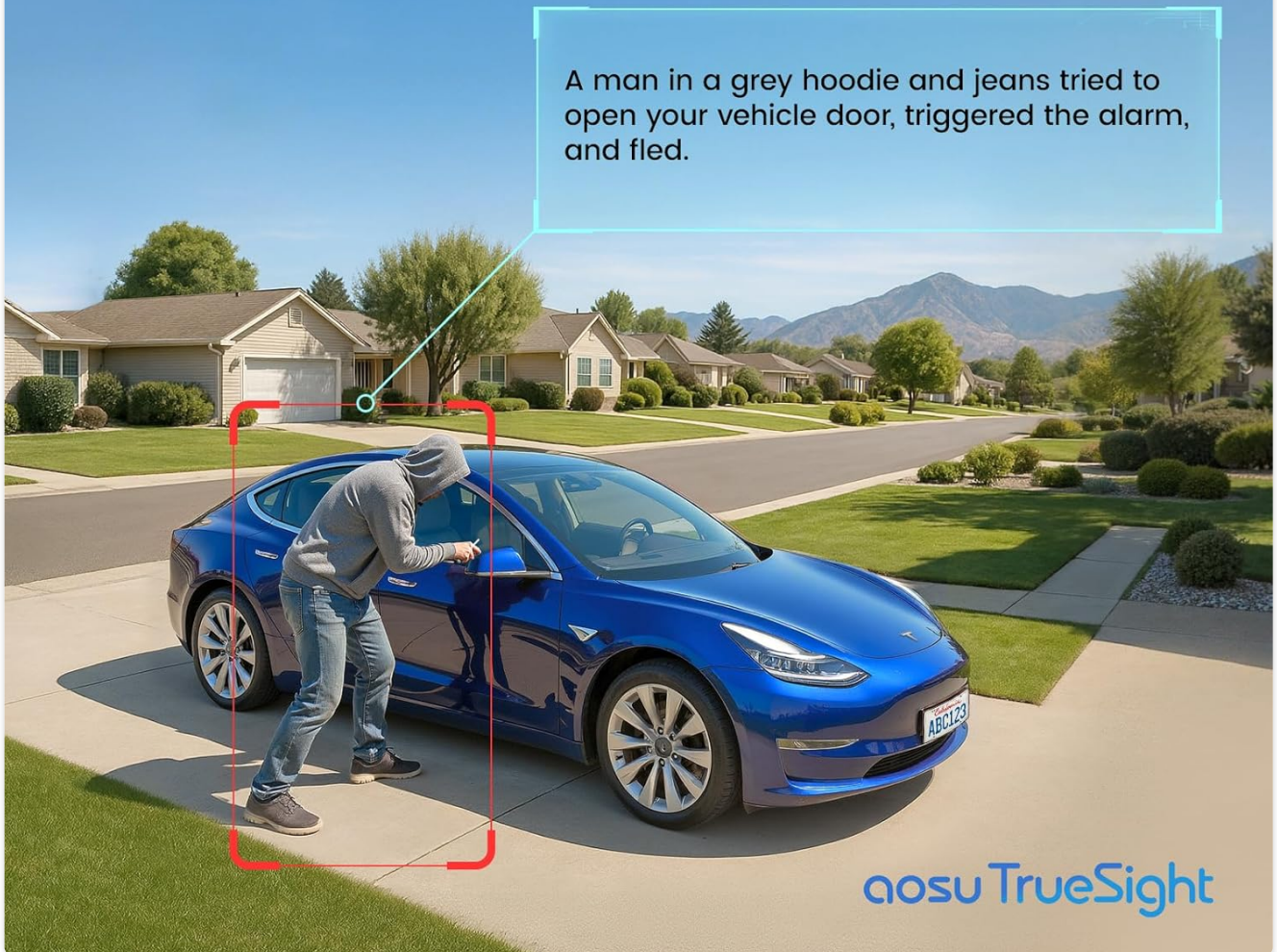


Image 4.2: The AOSU TrueSight AI intelligently interprets scenes and behaviors, providing detailed alerts.

See the Person, Not Just the Face

Recognizes individuals by appearance and behavior—even when clothing changes.



Image 4.3: The system recognizes individuals by appearance and behavior, even with clothing changes, to detect potential threats.

Dual Solar Power All-Day Protection

Capture more sunlight within 2 hours, ensuring faster charging
and stable all-day power.



Image 4.4: Quick search functionality allows users to pinpoint specific moments, people, vehicles, or objects in their footage.

4.1.5 Camera-to-Camera Track & Sync

If an event spans multiple cameras, the system can track and sync the video footage, providing a single, easy-to-view compilation of the event.

Camera-to-Camera Track & Sync

An event across multiple cameras can be tracked and synced to provide you one easy-to-view video.



Image 4.5: The system tracks and syncs events across multiple cameras for a comprehensive view.

4.2 Smart Home Integration

The AOSU system is compatible with Amazon Alexa and Google Assistant, allowing for voice control and integration into your smart home ecosystem.

5. MAINTENANCE

5.1 Battery Management

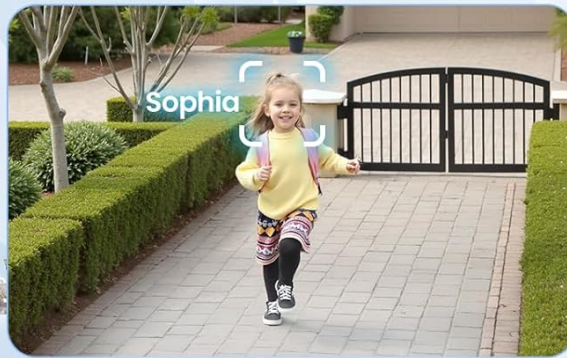
The cameras are designed for continuous operation with dual solar power. Ensure solar panels are kept clean and free from obstructions (e.g., leaves, dirt) to maximize charging efficiency. In prolonged periods of low sunlight, the camera batteries may require manual charging via USB-C.

Quick Search, Precise Results

Pinpoint moments, people, vehicles, or objects in your footage with a single command.



Sophia Came Home



nosu TrueSight

Image 5.1: Dual solar power ensures reliable, all-day protection for your cameras.

5.2 Storage Management

The HomeCortex base station includes 32GB of built-in local storage. For extended recording capacity, you can expand the storage up to 16TB by installing a compatible 2.5-inch HDD or SSD (not included).

Local or Cloud, Your Choice

32GB built-in, expandable up to 16,000GB / 16TB for years of reliable local recording. Prefer the cloud? Secure cloud storage available.



*Supports 2.5-inch HDD & SSD (not included).

Image 5.2: The HomeCortex offers 32GB built-in storage, expandable up to 16TB with an optional HDD/SSD.

5.3 Cleaning

Periodically clean the camera lenses and solar panels with a soft, damp cloth to ensure clear image quality and efficient solar charging. Avoid using harsh chemicals.

6. TROUBLESHOOTING

If you encounter issues with your AOSU security system, refer to the following common troubleshooting steps:

- **No Power/Charging Issues:** Ensure solar panels are clean and receiving direct sunlight. Verify USB-C charging if applicable. Check HomeCortex power connection.
- **No Video Feed:** Check Wi-Fi connectivity between cameras and HomeCortex. Ensure HomeCortex is connected to the internet. Restart the camera and HomeCortex.
- **Poor Video Quality:** Clean camera lenses. Ensure cameras are mounted securely and not vibrating. Check network stability.
- **Motion Detection Not Working:** Verify motion detection settings in the AOSU app. Ensure the camera's field

of view is clear.

- **App Connectivity Issues:** Ensure your smartphone has a stable internet connection. Restart the AOSU app.

For further assistance, please contact AOSU customer support.

7. SPECIFICATIONS

Feature	Specification
Model Number	C8S2EA11
Video Capture Resolution	4K Ultra HD
Viewing Angle	130 Degrees
Frame Rate	15 frames per second
Zoom Type	Digital Zoom (6x)
Power Source	Solar Powered, Battery Powered
Connectivity Technology	Wireless (Wi-Fi)
Indoor/Outdoor Usage	Outdoor
International Protection Rating	IP65
Local Storage	32GB Built-in, Expandable up to 16TB (2.5-inch HDD/SSD)
AI Features	HomeCortex AI, TrueSight AI (Face Recognition, Behavior Detection, Vehicle Identification, Wildlife Alerts)
Compatible Devices	Smartphone, Amazon Alexa, Google Assistant
Product Dimensions	16.18 x 9.37 x 6.42 inches
Item Weight	9.06 pounds

8. WARRANTY AND SUPPORT

8.1 Warranty Information

AOSU products typically come with a limited warranty covering manufacturing defects. Please refer to the warranty card included in your package or visit the official AOSU website for specific warranty terms and conditions.

8.2 Customer Support

For technical support, product inquiries, or warranty claims, please contact AOSU customer support through the following channels:

- **Official Website:** Visit the [AOSU Store on Amazon](#) for product information and support resources.
- **In-App Support:** Access support options directly within the AOSU mobile application.

