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> aosu 4K D1 Max Solar Security Cameras Wireless Outdoor, 2-Cam System User Manual

aosu C9S13

aosu 4K D1 Max Solar Security Camera System

Model: C9S13 - User Manual

1. PRODUCT OVERVIEW

The aosu 4K D1 Max Solar Security Camera System provides comprehensive outdoor surveillance with advanced features. This 2-camera kit includes a central aosuBase for local storage and enhanced connectivity, ensuring reliable security without subscription fees.

Key Features:

- **4K Ultra HD Resolution:** Captures clear and detailed footage.
- **360° Pan-Tilt-Zoom (PTZ):** Provides extensive coverage and eliminates blind spots.
- **Cross-Cam Auto Tracking:** Seamlessly tracks movement across multiple cameras for a continuous event timeline.
- **Smart Detection:** AI-powered recognition for humans, vehicles, and general motion, reducing false alerts.
- **Full Color Night Vision:** Enhanced visibility in low-light conditions with a built-in spotlight.
- **Local Storage:** 32GB built-in storage, expandable up to 1TB via Micro SD card, no subscription required.
- **Solar Powered:** Self-sustaining power with detachable solar panels for year-round operation.
- **IP65 Weatherproof:** Designed to withstand various outdoor weather conditions.
- **Two-Way Talk:** Enables communication through the camera.
- **App Control:** Manage and monitor via the aosu app (Android, iOS).

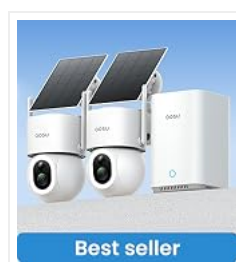
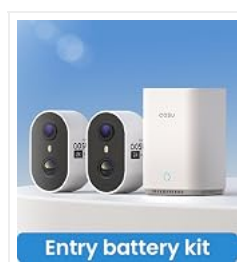


Image: aosuBase and aosu Security Camera

2. SETUP GUIDE

2.1 Package Contents

Verify that all components are present in your package:

- 2 × aosu SolarCam D1 Max Cameras
- 2 × Camera Mounting Brackets
- 1 × aosuBase
- 2 × Solar Panels with Brackets
- 2 × Screw Kits (for mounting)
- 1 × Ethernet Cable
- 1 × Power Adapter
- 1 × USB-C Cable
- Installation Positioning Stickers
- Monitoring Area Warning Stickers
- User Manual (this document)

2.2 aosu App Installation

1. Download the **aosu app** from the App Store (iOS) or Google Play Store (Android).
2. Install the app and create an account if you are a new user.

2.3 aosuBase Connection

1. Connect the aosuBase to a power outlet using the provided power adapter.
2. Connect the aosuBase to your router using the Ethernet cable. Ensure your router has a strong Wi-Fi signal.
3. Wait for the indicator light on the aosuBase to show a stable connection (refer to the aosuBase LED indicator guide in the app for specific status meanings).

2.4 Camera and Solar Panel Mounting

Choose optimal locations for your cameras and solar panels to ensure maximum sunlight exposure and desired surveillance coverage.

1. Use the provided installation positioning stickers to mark drill holes for the camera and solar panel brackets.
2. Securely attach the camera and solar panel brackets to the desired surfaces using the screw kits.
3. Mount the cameras onto their brackets.
4. Attach the solar panels to their brackets and connect them to the cameras using the USB-C cable. Position the solar panels to receive at least 2 hours of direct sunlight daily for optimal charging.

Flexible Solar Panel Mounting

The detached solar panel allows flexible placement to maximize solar charging efficiency.



Image: Flexible Solar Panel Mounting for optimal sunlight exposure.

Check In From Anywhere

Get real-time alerts, watch live video, talk with visitors, and respond to activity right from the aosu App.

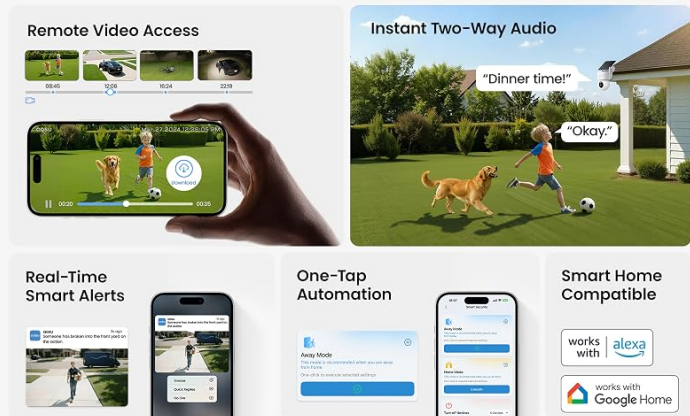


Image: Easy wire-free installation process.

2.5 Camera Pairing and Initial Configuration

1. Open the aosu app and follow the on-screen instructions to add your aosuBase.
2. Once the aosuBase is added, proceed to add each camera by following the in-app pairing guide.
3. During setup, configure essential settings such as Wi-Fi connection (if not using Ethernet for aosuBase), time zone, and initial motion detection preferences.

3. OPERATING INSTRUCTIONS

3.1 Live View and Playback

- Open the aosu app to access the live feed from your cameras. You can monitor up to 4 live views simultaneously.
- Review recorded footage by navigating to the playback section in the app. Footage is stored locally on the aosuBase.

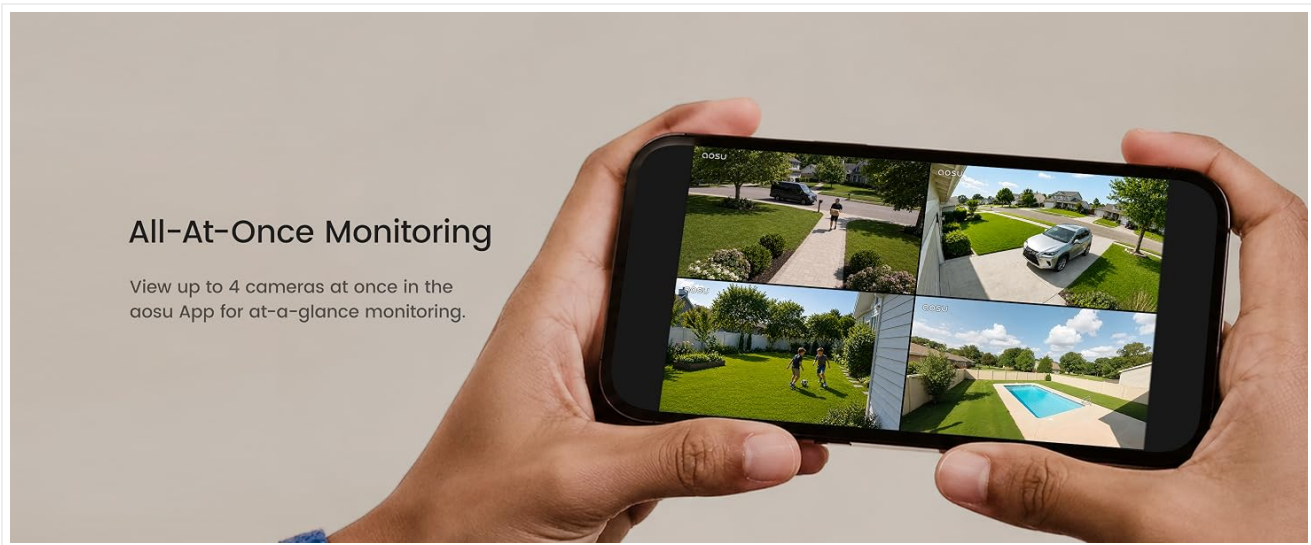


Image: View up to 4 cameras simultaneously in the aosu app.

3.2 PTZ Control and 360° Coverage

Use the pan, tilt, and zoom controls within the aosu app to adjust the camera's viewing angle and focus on specific areas. The cameras offer 360° visibility to cover your outdoor space comprehensively.



Image: 360° coverage with pan and tilt control.

3.3 Motion Detection and Alerts

- **Smart Detection:** Configure the camera to detect specific events such as human, vehicle, or general motion. This helps minimize false alerts.
- **Custom Activity Zones:** Define up to 3 custom activity zones within the camera's view to receive alerts only when activity is detected in these specific areas.
- **Instant Alerts:** Receive real-time notifications on your smartphone when motion is detected.
- **On-Device Deterrence:** The built-in spotlight and 105db siren can be configured to activate automatically upon detection of a real event.

4K Clarity That Reveals More.

Captures fine details such as faces and license plates with stunning clarity, even from a distance.



Image: AI-Powered Vehicle Guard for monitoring parked vehicles.

Custom Activity Zones

Create up to 3 zones and receive instant alerts when activity is detected inside.



Image: Setting up custom activity zones.

3.4 Night Vision Modes

The cameras offer two night vision modes:

- **Full Color Night Vision:** Activates the built-in spotlight to provide full-color video at night.
- **Infrared (B&W) Night Vision:** Uses infrared LEDs for discreet black and white viewing in complete darkness.

Clearer Night Vision.

See clearly at night with motion-activated spotlight for full color video and IR mode for discreet viewing when needed.

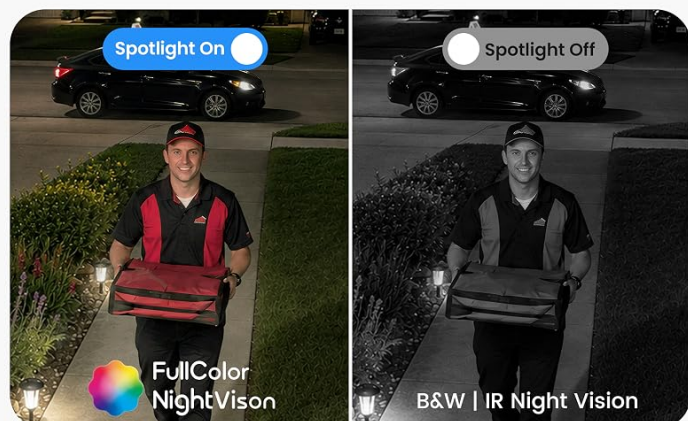


Image: Comparison of Full Color Night Vision and B&W IR Night Vision.

3.5 Two-Way Audio

Utilize the two-way audio feature in the aosu app to speak to visitors or deter unwanted guests through the camera's built-in speaker and microphone.

3.6 Local Storage Management

The aosuBase comes with 32GB of built-in storage. You can expand this up to 1TB by installing a compatible Micro SD card (not included) into the aosuBase. All footage is stored locally, ensuring data security and privacy.

Keep Your Data at Home

Store and manage your video locally for greater privacy and full control.

\$0 Local Storage, No Subscription Required

32GB
Included

Expandable to
1TB



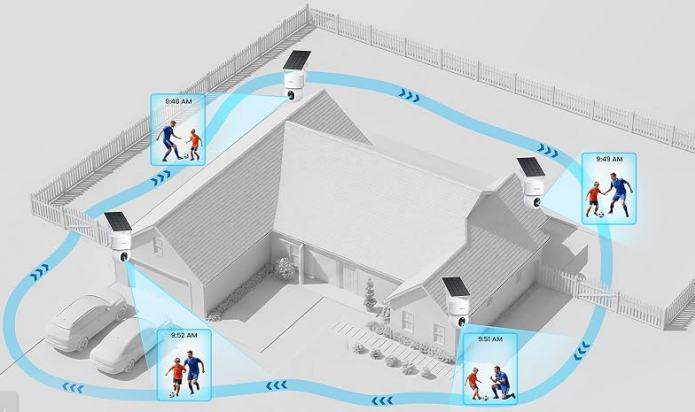
Image: aosuBase with 32GB included storage, expandable to 1TB.

3.7 Cross-Camera Tracking

When multiple cameras are connected to the aosuBase, the system can seamlessly integrate footage from different cameras into a continuous timeline. This provides a complete story of events, reducing the need to switch between individual camera feeds.

Cross-Camera Tracking

With aosuBase, multiple camera clips are merged into one continuous event for a complete story.



The diagram illustrates cross-camera tracking by showing a house with four cameras. Blue arrows trace a path of movement from one camera's field of view to another, showing a continuous sequence of frames. Below the house, a timeline of five frames shows the progression of the event, with timestamps: 9:48 AM, 9:49 AM, 9:51 AM, 9:52 AM, and 9:53 AM. Each frame shows two people walking across the yard.

Image: Cross-Camera Tracking illustrating event continuity.

3.8 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.

4. MAINTENANCE

- **Solar Panel Efficiency:** Regularly check that the solar panels are clean and free from obstructions (e.g., leaves, dirt) to ensure maximum sunlight absorption and continuous power.
- **Camera Lens Cleaning:** Gently clean the camera lenses with a soft, dry cloth to maintain optimal image clarity. Avoid abrasive materials.
- **Firmware Updates:** Periodically check the aosu app for available firmware updates. Installing updates ensures your system has the latest features and security enhancements.
- **Weather Protection:** The cameras are IP65 weatherproof. While designed for outdoor use, extreme weather conditions may temporarily affect performance. Ensure proper installation to prevent water ingress.

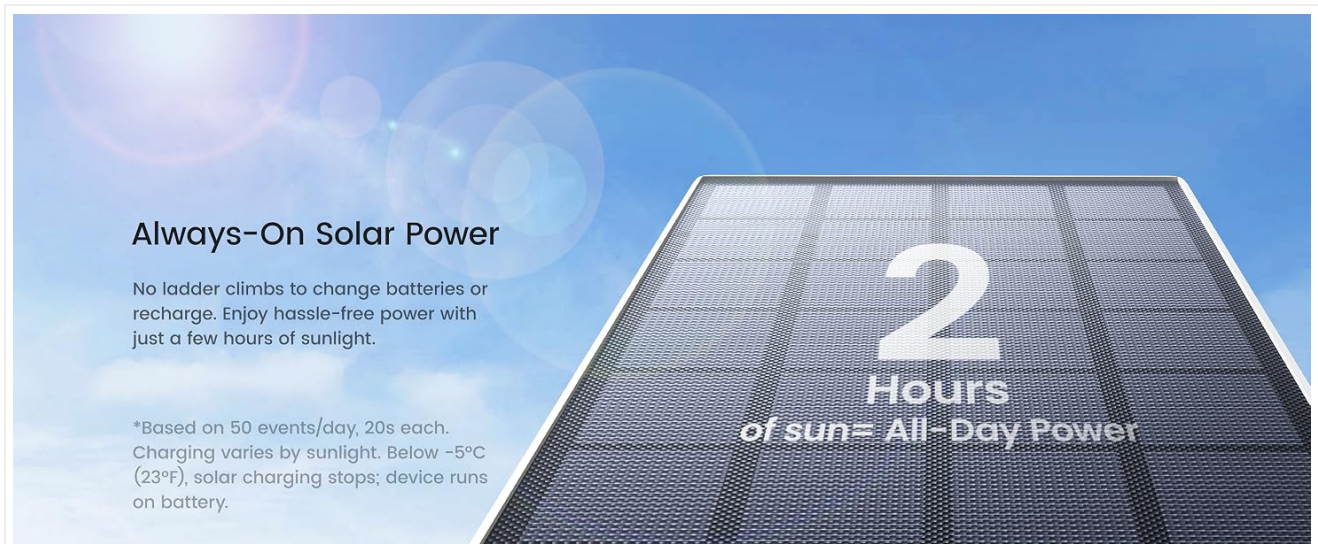


Image: Solar power ensures year-round operation with just a few hours of sunlight.

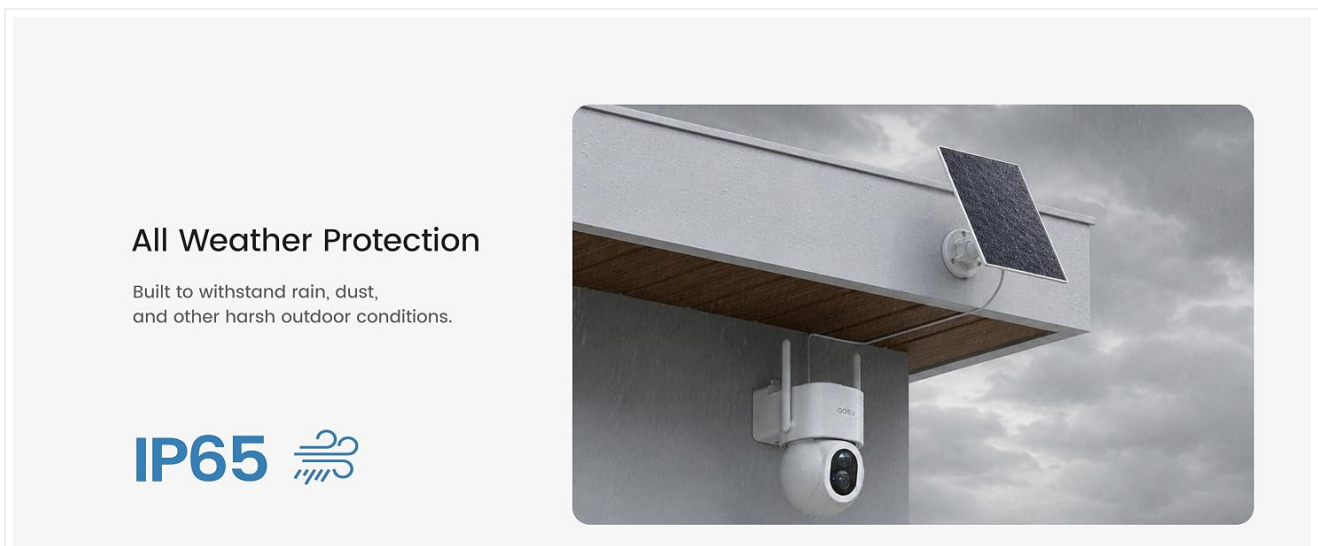


Image: IP65 Weatherproof design for harsh outdoor conditions.

5. TROUBLESHOOTING

- **Camera Not Connecting/Offline:**
 - Ensure the aosuBase is powered on and connected to your network.
 - Verify that the camera is within range of the aosuBase's Wi-Fi signal. A strong Wi-Fi signal is crucial for initial setup and stable operation.

- Restart both the camera and the aosuBase.
 - Check the camera's battery level in the app.
- **Battery Not Charging:**
 - Confirm the solar panel is clean and receiving direct sunlight for at least 2 hours daily.
 - Check the USB-C cable connection between the solar panel and the camera.
 - Note that solar charging may stop in temperatures below -5°C (23°F); the device will then run on battery power.
- **Frequent False Alerts:**
 - Adjust the motion detection sensitivity settings in the aosu app.
 - Refine your custom activity zones to exclude areas with irrelevant motion (e.g., public sidewalks, swaying trees).
 - Ensure AI detection for human/vehicle/pet is enabled if you wish to filter out other types of motion.
- **Poor Video Quality:**
 - Clean the camera lens to remove any dirt or smudges.
 - Ensure adequate lighting for night vision modes.
 - Check your network bandwidth, especially if experiencing lag during live view.
- **Difficulty Deleting Multiple Events:**
 - Currently, deleting multiple events may require individual selection and confirmation within the app.
 - Ensure your app is updated to the latest version, as functionality may improve with updates.

6. SPECIFICATIONS

Feature	Specification
Brand	aosu
Model Name	C9S13
Recommended Use	Outdoor Security
Connectivity Technology	Ethernet (aosuBase) / Wireless (Camera)
Special Features	4K UHD, 360° Coverage, Auto Motion Tracking, 150-lumen Spotlight, Color Night Vision, 2-Way Talk
Indoor/Outdoor Usage	Outdoor
Compatible Devices	Android, iOS, Amazon Alexa, Google Assistant
Power Source	Solar Powered, Battery Powered (5200 mAh)
Mount Type	Wall Mount
Color	White
Form Factor	Dome

Feature	Specification
Alert Type	Audio and Motion
Light Source	Infrared/LED
Effective Still Resolution	8 MP
Waterproof Rating	IP65
Video Capture Resolution	4K
Frame Rate	15 frames per second
Viewing Angle	360 degrees
Digital Zoom	6x
Flash Memory Installed Size	32 GB (aosuBase)
Flash Memory Supported Size Maximum	1 TB (Micro SD)
Night Vision Range	33 feet
Number of Channels	2

7. WARRANTY INFORMATION

The aosu 4K D1 Max Solar Security Camera System (Model C9S13) is covered by a **1 Year Manufacturer Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

8. SUPPORT

For technical assistance, product inquiries, or further support, please utilize the following resources:

- **aosu App:** Access FAQs, troubleshooting guides, and direct support options within the aosu application.
- **Manufacturer Contact:** For direct support, please contact aosu customer service. Refer to the aosu official website or the aosu app for the most current contact information.