

aosu SolarCam D1 Max

aosu SolarCam D1 Max 4K 8MP UHD Outdoor PTZ Security Camera User Manual

Model: SolarCam D1 Max (C9S13)

INTRODUCTION

This manual provides comprehensive instructions for the aosu SolarCam D1 Max 4K 8MP UHD Outdoor PTZ Security Camera. It covers product features, setup, operation, maintenance, and troubleshooting to ensure optimal performance and security for your property. Please read this manual thoroughly before installation and use.

WHAT'S IN THE BOX

Verify that all components are present in the package:

- aosu SolarCam D1 Max 4K Camera
- Solar Panel
- 3-meter Type-C Cable
- Mounting Kit (screws, wall anchors)
- Instruction Manual

PRODUCT OVERVIEW

The aosu SolarCam D1 Max is an advanced outdoor security camera designed for reliable surveillance with minimal maintenance. Key features include:

- **4K Ultra HD 8MP Resolution:** Captures clear, detailed images and videos at 15 frames per second.
- **High-Efficiency Solar Power:** Requires only 2 hours of direct sunlight daily for continuous operation, even in low light or partial shade.
- **360° Pan-Tilt-Zoom (PTZ) with Auto-Tracking:** Provides complete coverage without blind spots, automatically tracking detected movement.
- **Smart Detection:** AI and PIR sensor reliably detect people, vehicles, and pets, reducing false alarms from

environmental factors.

- **Advanced Color Night Vision:** Integrated 150-lumen LED spotlight enables full-color night vision and acts as a deterrent.
- **IP65 Weatherproof:** Designed to withstand harsh weather conditions, ensuring reliable operation in rain or snow.
- **Two-Way Audio:** Allows communication with visitors or deterrence of intruders, with a voice change option for privacy.
- **Flexible Storage Options:** Supports local storage via memory card or secure aosu Cloud service.
- **Smart Home Integration:** Compatible with Amazon Alexa for convenient control.

Schutz für Schlüsselbereiche

Fokus auf den kritischen Bereich
Alles in 4K.
Full Color Night Vision







4K
UHD Vision



360°
PTZ

Image: The aosu SolarCam D1 Max camera with its accompanying solar panel, illustrating the complete outdoor surveillance system.

SETUP

1. Installation

The SolarCam D1 Max is designed for easy DIY installation without complex wiring. Choose a mounting location

that provides a clear view of the area you wish to monitor and ensures the solar panel receives adequate direct sunlight.

1. **Mounting the Camera:** Use the provided mounting kit to securely attach the camera to a wall or suitable surface. Ensure it is within Wi-Fi range.
2. **Mounting the Solar Panel:** Position the solar panel in an area that receives at least 2 hours of direct sunlight daily. Use the 3-meter Type-C cable to connect the solar panel to the camera. The flexible cable allows for optimal placement of both components.



Image: The aosu camera mounted on a wall with its solar panel positioned above, demonstrating a typical installation for continuous power.

2. App Setup and Connectivity

Download the AOSU app from your smartphone's app store. Follow the in-app instructions to connect your camera to your home Wi-Fi network. Ensure your Wi-Fi signal is strong at the camera's location for stable performance.

Easy DIY installation

Ohne Verkabelung, ohne Profimontage und
ohne komplizierte Wartung – in wenigen
Minuten selbst installiert!



Kabellose
Installation



Flexible
Platzierung



Immer
geladen

Image: A person holding a smartphone, demonstrating the easy DIY installation and app setup process for the aosu camera.

OPERATING THE CAMERA

1. 360° PTZ Control and Auto-Tracking

Use the AOSU app to remotely control the camera's pan (horizontal) and tilt (vertical) movements, providing a full 360° view of your property. The camera also features intelligent auto-tracking, which automatically follows detected subjects within its field of view.

360°-Rundumsicht

Mit Schwenk- und Neigefunktion haben Sie jeden Winkel Ihres Außenbereichs im Blick.



Image: An overhead view of a property with the AOSU camera indicating its 360-degree PTZ capability and intelligent auto-tracking of individuals and vehicles.

2. Smart Detection and Notifications

The camera utilizes on-device AI and a PIR motion sensor to accurately detect people, vehicles, and pets. This intelligent detection minimizes false alarms caused by wind-blown trees or other non-threatening movements. You will receive instant notifications on your AOSU app when relevant activity is detected.

KI-Gestützter Fahrzeugwächter

Überwacht automatisch Ihr geparktes Fahrzeug und reagiert bei Annäherung einer Person.



Personen- und
Fahrzeugerkennung



Automatische
Fahrzeugzone



Integrierte Sirene



Image: An illustration of the camera's AI-powered vehicle detection, showing a person approaching a parked car within a monitored zone.

3. Night Vision Modes

The SolarCam D1 Max offers advanced night vision capabilities:

- **Full-Color Night Vision:** The integrated 150-lumen LED spotlight provides bright, full-color video recordings at night.
- **Infrared Night Vision:** For discreet monitoring, the camera can switch to infrared mode, providing clear black-and-white video in low-light conditions.

Volle Farbnachtsicht

Bewegungsaktivierter
Farbscheinwerfer + Infrarotmodus:
Klare Sicht bei Nacht,
auch für diskrete Überwachung.

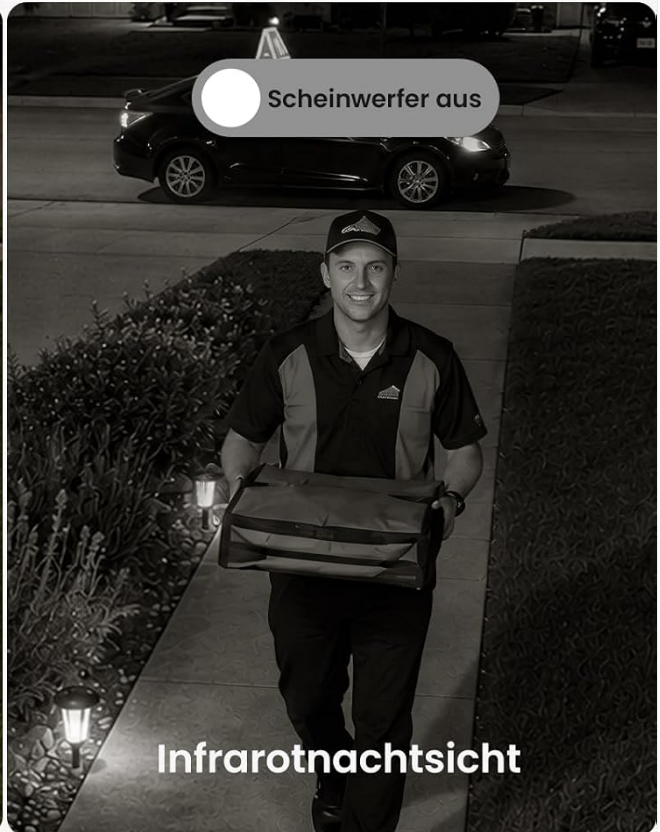
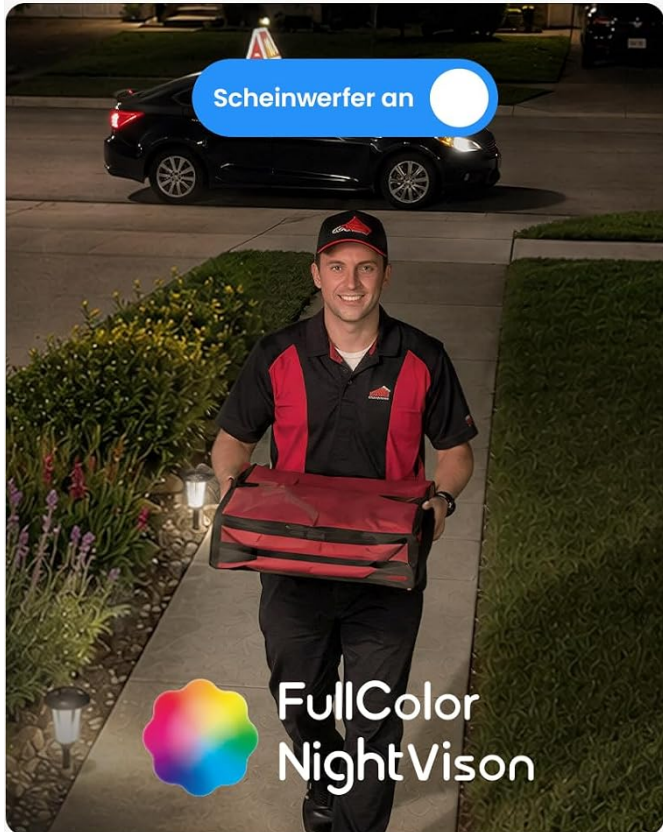


Image: A comparison showing the camera's full-color night vision with the spotlight on, versus infrared night vision with the spotlight off, demonstrating clear visibility in both modes.

4. Two-Way Audio and Privacy

Engage in real-time conversations through the camera using the two-way audio feature. For enhanced privacy, a voice change option is available. You can also set privacy zones within the app to exclude specific areas from surveillance.

5. Storage Options

Recordings can be stored locally on a memory card (not included) or securely uploaded to the aosu Cloud service. Choose the storage solution that best fits your needs.

6. Smart Home Integration

The camera is compatible with Amazon Alexa, allowing you to integrate it into your smart home ecosystem for voice control and enhanced convenience.

MAINTENANCE

The aosu SolarCam D1 Max is designed for low maintenance. Regular checks can ensure optimal performance:

- **Solar Panel Efficiency:** Ensure the solar panel remains clean and free from obstructions (leaves, dirt) to maximize sunlight absorption.
- **Weather Resistance:** The IP65 rating ensures protection against dust and water jets. No special weatherproofing maintenance is required.
- **Software Updates:** Periodically check the AOSU app for firmware updates to ensure your camera has the latest features and security enhancements.

TROUBLESHOOTING

Issue	Possible Cause	Solution
Frequent False Alarms	Environmental factors (e.g., moving branches, shadows) or incorrect sensitivity settings.	Adjust motion detection sensitivity in the AOSU app. Utilize AI detection for people/vehicles/pets to filter out irrelevant movements. Set privacy zones to exclude areas with frequent non-threatening motion.
Camera Not Connecting to Wi-Fi	Weak Wi-Fi signal, incorrect password, or camera too far from router.	Ensure the camera is within range of your Wi-Fi router. Verify Wi-Fi password. Consider a Wi-Fi extender if the signal is weak. Restart the camera and router.
Battery Drains Quickly	Insufficient sunlight for solar panel, excessive motion events, or frequent live view access.	Relocate the solar panel to an area with more direct sunlight. Reduce motion detection sensitivity or frequency of recordings if not critical. Limit live view access to conserve battery.
No Recordings Saved	Memory card not inserted, full, or corrupted; cloud subscription expired; or recording settings incorrect.	Check if a memory card is properly inserted and has sufficient space. Verify your aosu Cloud subscription status. Review recording settings in the app.
Poor Image Quality	Dirty lens, low light conditions, or network bandwidth issues.	Clean the camera lens with a soft cloth. Ensure adequate lighting for optimal image quality. Check your internet connection speed.

SPECIFICATIONS

Feature	Detail
Model Name	SolarCam D1 Max
Model Number	C9S13
Resolution	4K (8MP)
Frame Rate	15 frames per second

Feature	Detail
Connectivity Technology	Wi-Fi
Power Source	Solar Powered (1 Lithium-polymer battery included)
Special Features	Person/Vehicle/Pet Detection, Solar Powered, 150 Lumens Super Bright Light, 360° PTZ Auto-Tracking
Indoor/Outdoor Use	Outdoor
Water Resistance Level	IP65 (Waterproof)
Night Vision	Color Night Vision, 8 Meters Range
Control Method	Application (AOSU App), Amazon Alexa
Compatible Devices	Smartphone
Mounting Type	Wall Mount
Product Dimensions	19 x 15 x 18 cm; 1.03 Kilograms
Material	Plastic
Video Capture Format	MP4

WARRANTY AND SUPPORT

AOSU is committed to providing reliable security products and excellent customer service. For any questions, technical assistance, or warranty inquiries, please contact aosu customer support. We offer 24/7 support to ensure a pleasant and worry-free experience.

Please refer to the official aosu website or your product packaging for specific warranty details and contact information.