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› AOSU SolarCam D1 Max Wireless Outdoor Security Camera User Manual

## AOSU SolarCam D1 Max

# AOSU SolarCam D1 Max Wireless Outdoor Security Camera User Manual

Model: SolarCam D1 Max

## INTRODUCTION

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This manual provides comprehensive instructions for the installation, operation, and maintenance of your AOSU SolarCam D1 Max Wireless Outdoor Security Camera. Designed for outdoor surveillance, this camera system offers advanced features including 3K resolution, 360° coverage, AI detection, and solar-powered operation for continuous security.



Figure 1: AOSU SolarCam D1 Max Wireless Outdoor Security Cameras (5-pack shown)

The image displays five individual AOSU SolarCam D1 Max units, each consisting of a white spherical camera body mounted below a rectangular solar panel. The cameras are designed for outdoor use and feature a sleek, modern appearance.

## PRODUCT FEATURES

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- **360° Full-Coverage & 3K Resolution:** Provides a complete panoramic view with upgraded 3K, 5MP UHD lens for clear imaging. Includes a built-in 400-lumen spotlight for full-color night vision.
- **Enhanced AI Detection:** Recognizes people, vehicles, and pets without a subscription fee. Identifies fences and walls to prevent intrusions and sends instant alerts.
- **Solar-Powered & Wireless:** Eliminates wired installation. Powered by a high-capacity battery and solar panel, requiring only 3 hours of direct sunlight for all-day power.
- **Advanced Motion Tracking:** Automatically focuses on and tracks detected movement (people, pets, vehicles) with pan and tilt functionality, recording simultaneously. Spotlight can be motion-activated or manually triggered.

- **Customizable Motion Zones & Two-Way Talk:** Allows setting multiple important zones for protection. Features sound, light, and siren alerts, and enables instant two-way communication.

## SETUP GUIDE

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### 1. Unboxing and Components

Before beginning installation, ensure all components are present:

- AOSU SolarCam D1 Max Camera(s)
- Solar Panel(s)
- Mounting Bracket(s)
- Mounting Screws and Wall Anchors
- USB Charging Cable
- User Manual (this document)

### 2. Charging the Camera

For optimal performance, fully charge the camera battery using the provided USB cable before initial installation. Connect the USB cable to the camera's charging port and a standard 5V/2A USB power adapter (not included). The charging indicator will show status.

### 3. App Download and Account Creation

Download the official AOSU security app from your mobile device's app store (iOS App Store or Google Play Store). Follow the on-screen instructions to create an account and log in.

### 4. Camera Pairing

1. Open the AOSU app and tap the "Add Device" or "+" icon.
2. Select the SolarCam D1 Max from the list of devices.
3. Follow the in-app prompts to connect the camera to your Wi-Fi network. Ensure your Wi-Fi is 2.4GHz.
4. Scan the QR code displayed on your phone with the camera lens when prompted.
5. Once connected, you can name your camera and configure initial settings.

### 5. Installation Location and Mounting

Choose a location with strong Wi-Fi signal and ample direct sunlight for the solar panel. The camera is designed for wire-free flexible installation.

# Wire-Free Flexible Installation

You can install it yourself, no professionals required



Figure 2: Wire-Free Flexible Installation

This image shows the AOSU SolarCam D1 Max mounted on an exterior wall, highlighting its wire-free design. The solar panel is positioned above the camera to capture sunlight, and the camera itself is angled for optimal viewing. A small "100% Wireless" badge is visible in the bottom left corner.

1. Mark the drilling spots using the mounting bracket as a template.
2. Drill holes and insert wall anchors if mounting on masonry or stucco.
3. Secure the mounting bracket to the wall with screws.

4. Attach the camera and solar panel to the mounting bracket. Ensure the solar panel is angled to receive maximum direct sunlight throughout the day.
5. Connect the solar panel cable to the camera's charging port.

## OPERATING INSTRUCTIONS

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### 1. Live View and Playback

Access the live feed of your camera through the AOSU app. You can pan and tilt the camera remotely to adjust the viewing angle. Recorded events can be accessed and played back from the app's history section.



Figure 3: Guardian No Blindspots - 360° Coverage

This image illustrates the camera's extensive coverage, showing a central camera unit with arrows indicating 360° horizontal rotation and 90° vertical tilt. Surrounding the camera are three panoramic views of a residential area, demonstrating its ability to monitor a wide area without blind spots.

## 2. Motion Detection and AI Features

The camera utilizes advanced AI to differentiate between people, vehicles, and pets, reducing false alerts. You will receive instant notifications for detected events.

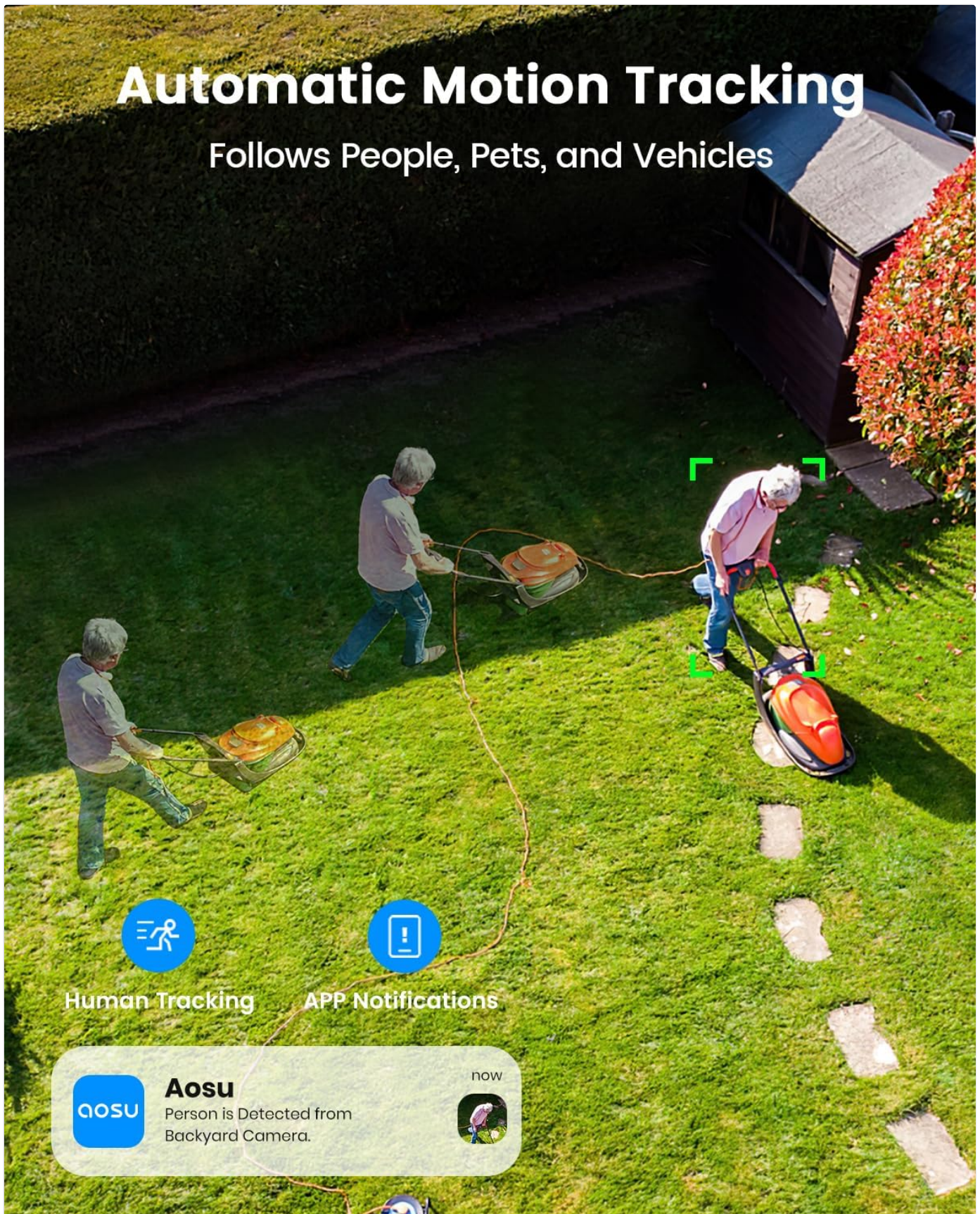


Figure 4: Automatic Motion Tracking

The image depicts the camera's automatic motion tracking feature. A person mowing a lawn is highlighted, with the camera following their movement. Icons for "Human Tracking" and "APP Notifications" are displayed, along with a simulated app notification showing "Person is Detected from Backyard Camera."

# Reduced False Alerts

AI smart recognition and detection

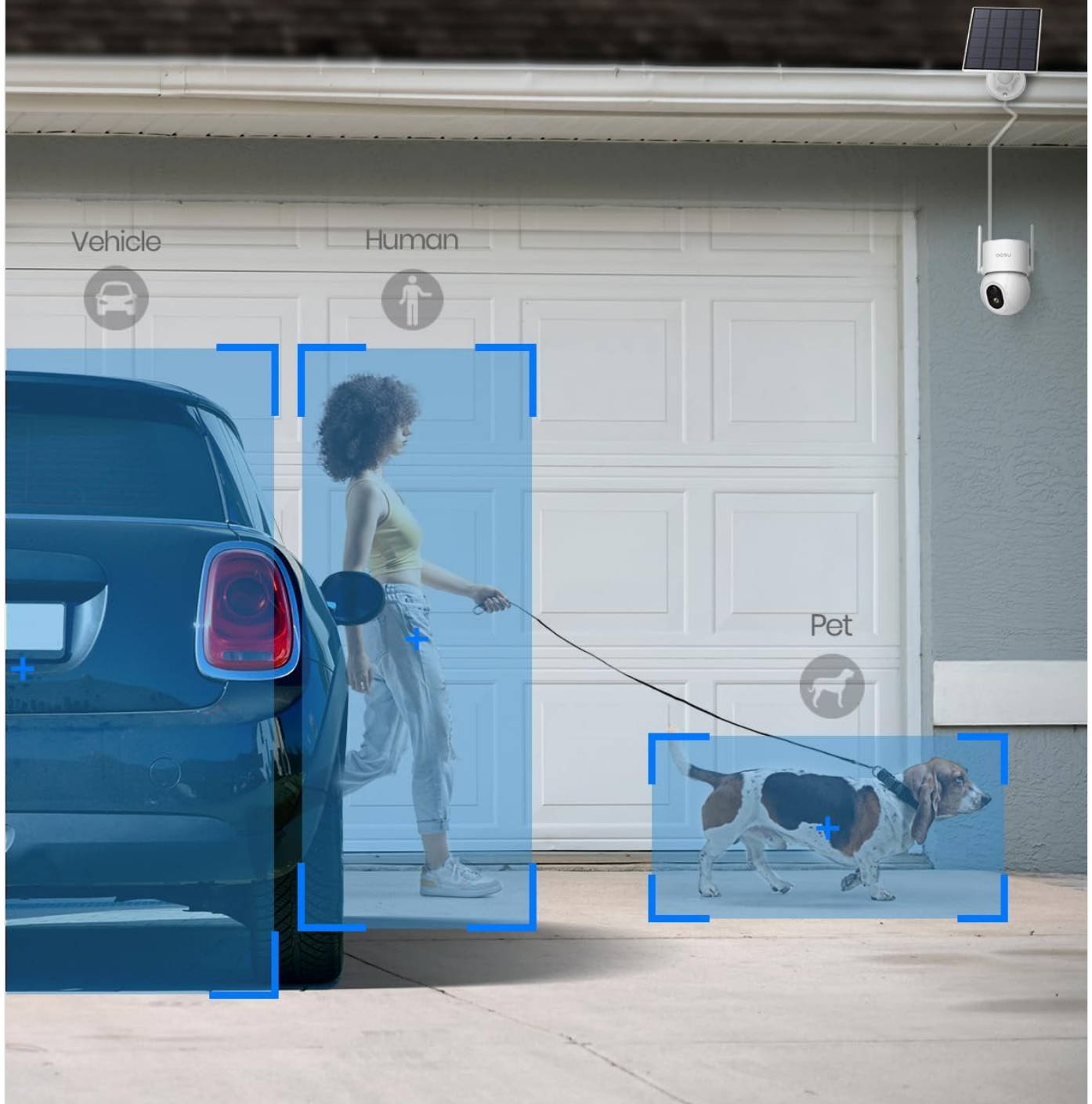


Figure 5: Reduced False Alerts with AI Smart Recognition

This image illustrates the camera's AI capabilities in reducing false alerts. It shows a scene with a car, a person walking a dog, and the camera's interface highlighting distinct detection zones for "Vehicle," "Human," and "Pet," indicating its ability to accurately classify objects. Configure motion detection sensitivity and specific detection zones within the app to focus on areas of interest and minimize unwanted alerts.

# Advanced Solar Panel

1.5x More Efficient Charging  
3 Hours of Sun Means All-day Power

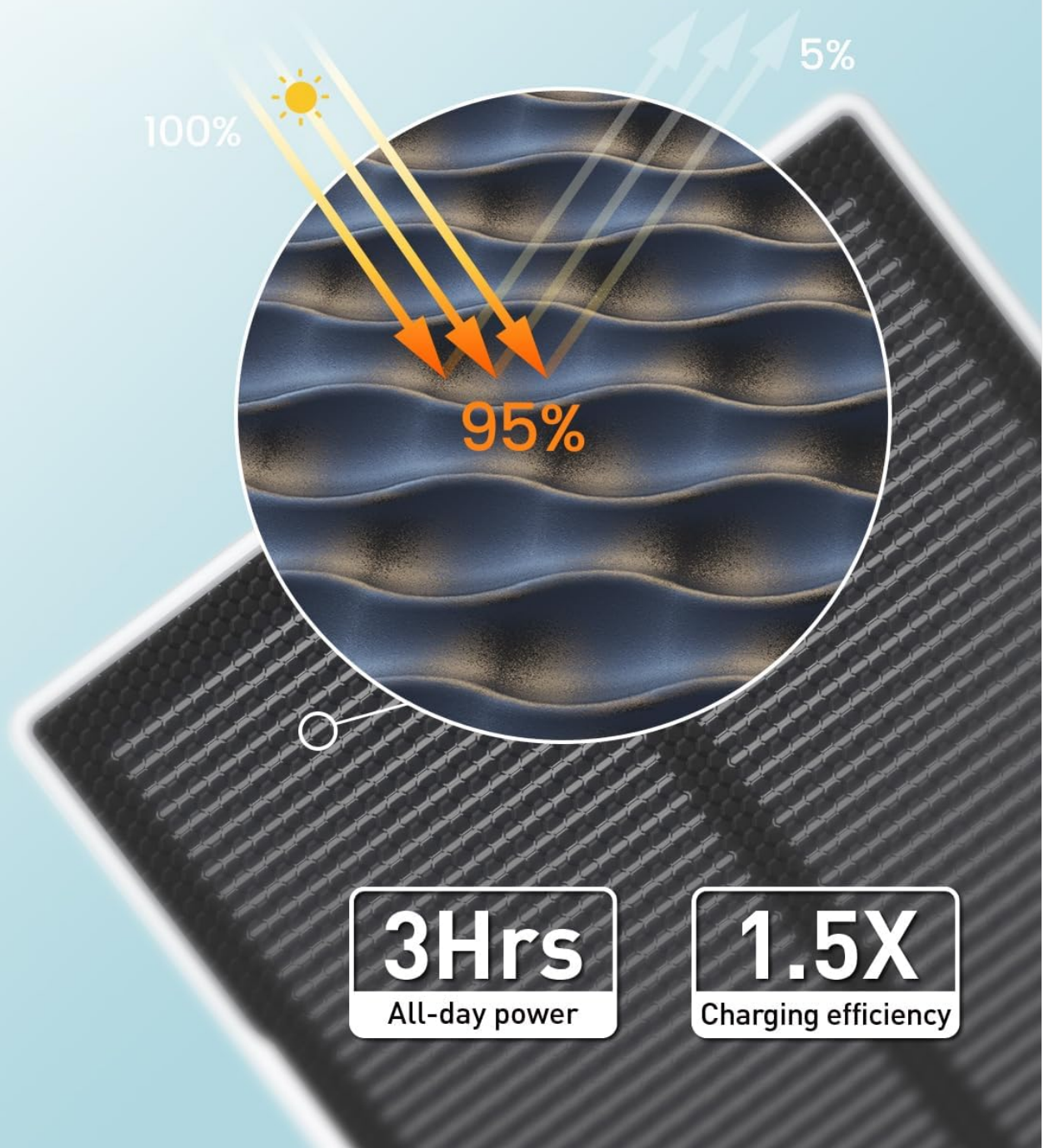


Figure 6: Targeted Protection and Customizable Alerts

The image demonstrates the camera's targeted protection features. A person is shown within a red-highlighted motion zone, indicating an active detection area. Below, icons represent available responses: "AI Detection," "White Light" (spotlight), and "Alarm Sound," allowing users to customize alerts and deterrents.

### 3. Spotlight and Night Vision

The integrated 400-lumen spotlight provides bright illumination for clear full-color night vision. It can be set to activate automatically upon motion detection or manually controlled via the app.

# 400 Lumens Spotlight

Brighten the night

**400**  
Lumens

Motion or Manually Activated

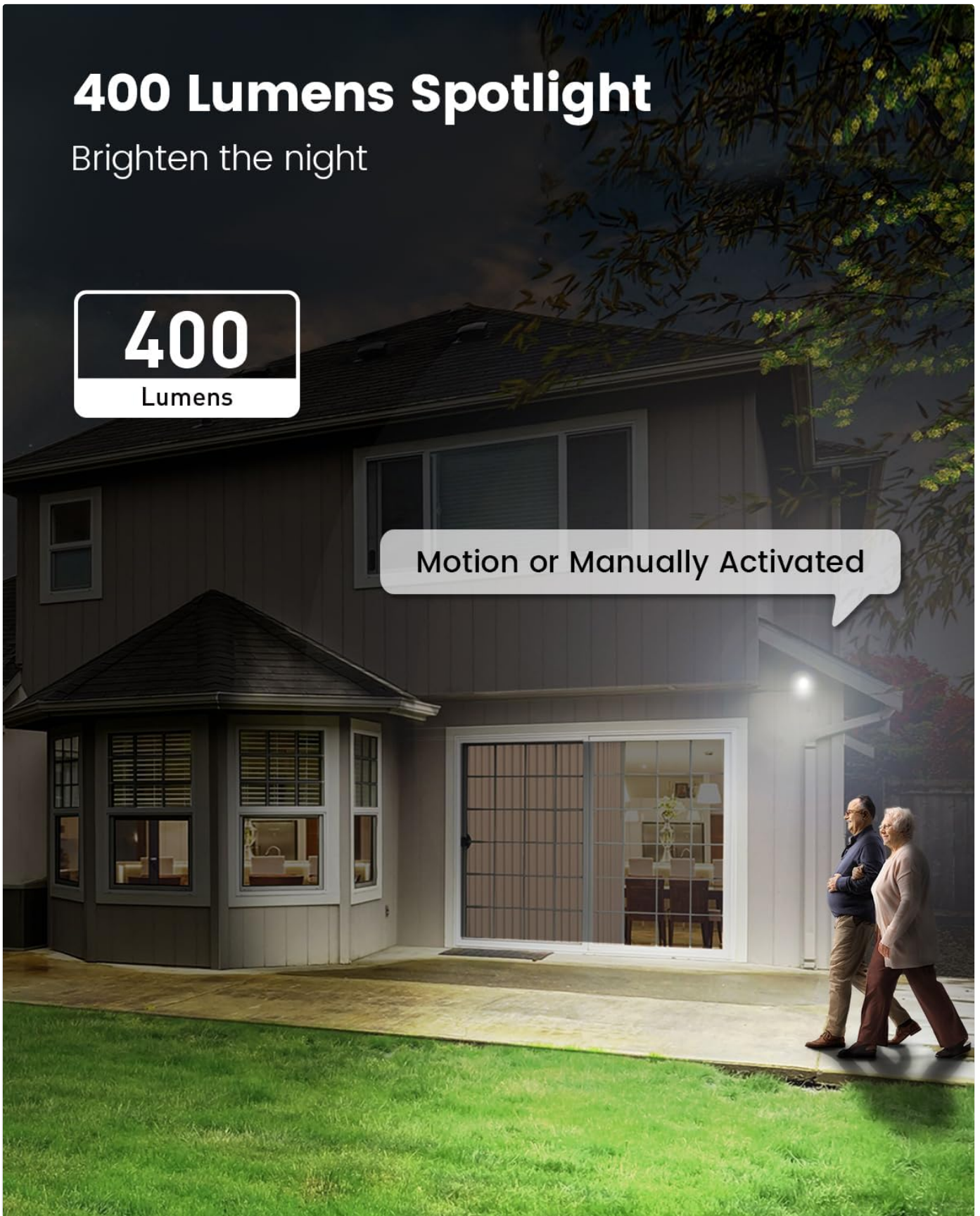


Figure 7: 400 Lumens Spotlight

This image illustrates the effectiveness of the camera's 400-lumen spotlight at night. The backyard scene, including two individuals, is brightly illuminated, demonstrating the camera's ability to provide clear visibility in low-light conditions. A text overlay indicates "Motion or Manually Activated."

## 4. Two-Way Audio

Use the two-way talk feature in the app to communicate with visitors or deter unwanted guests directly through the camera's built-in speaker and microphone.

# MAINTENANCE

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## 1. Cleaning

- Regularly wipe the camera lens and solar panel with a soft, damp cloth to remove dust, dirt, or debris. This ensures optimal image clarity and charging efficiency.
- Do not use harsh chemicals or abrasive cleaners.

## 2. Solar Panel Efficiency

Ensure the solar panel remains free from obstructions (e.g., leaves, snow, shadows) to maximize sunlight absorption. Periodically check its angle to ensure it receives direct sunlight, especially during seasonal changes.

# Targeted Protection

Your defined zone, your safety

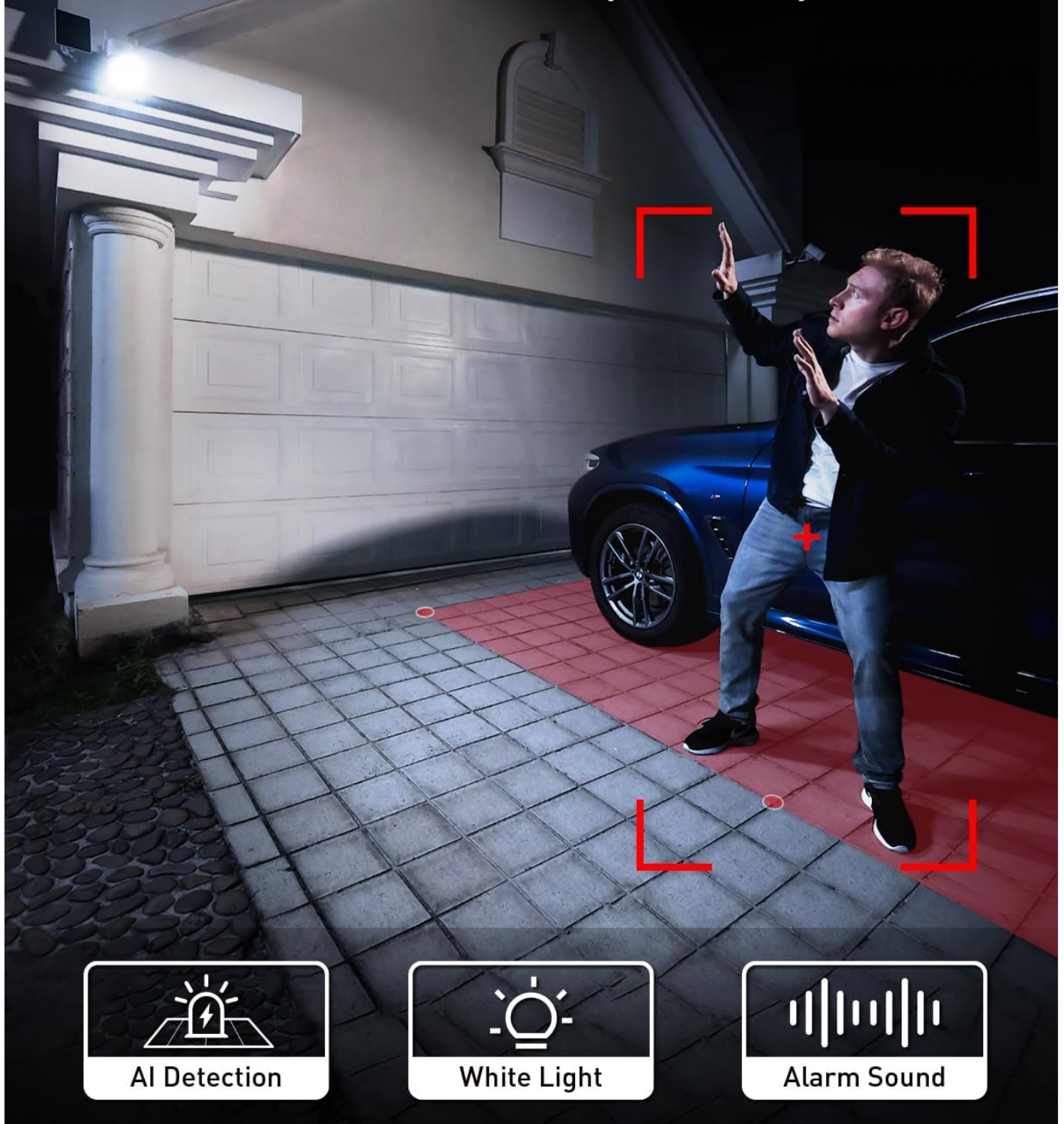


Figure 8: Advanced Solar Panel Efficiency

This diagram visually explains the efficiency of the AOSU advanced solar panel. It shows sunlight hitting the panel, with 95% absorption and only 5% reflection. Text indicates "1.5x More Efficient Charging" and "3 Hours of Sun Means All-day Power," highlighting its superior performance.

### 3. Firmware Updates

Keep your camera's firmware updated through the AOSU app. Firmware updates often include performance improvements, new features, and security enhancements.

## TROUBLESHOOTING

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### Common Issues and Solutions:

- **Camera Offline:**
  - Check Wi-Fi signal strength at the camera's location.
  - Ensure the camera battery is charged (check solar panel exposure).
  - Restart the camera by pressing the reset button (refer to device diagram for location).
  - Restart your Wi-Fi router.
- **No Motion Detection:**
  - Verify motion detection is enabled in the app settings.
  - Adjust motion sensitivity.
  - Ensure detection zones are correctly configured and cover the desired area.
  - Clean the camera lens.
- **Poor Image Quality:**
  - Clean the camera lens.
  - Ensure there are no obstructions in the camera's field of view.
  - Check network bandwidth if streaming quality is low.
- **Battery Not Charging:**
  - Ensure the solar panel is receiving direct sunlight for at least 3 hours daily.
  - Clean the solar panel surface.
  - Check the connection between the solar panel and the camera.
  - Verify the ambient temperature is within the operating range.

For more detailed troubleshooting or persistent issues, please refer to the FAQ section within the AOSU app or contact customer support.

## SPECIFICATIONS

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Feature	Detail
Model	SolarCam D1 Max
Resolution	3K (5MP UHD, 2880x1620)
Field of View	360° Pan, 90° Tilt
Night Vision	Full-color with 400-lumen spotlight
Power Source	Solar Powered (with high-capacity battery)
Connectivity	2.4GHz Wi-Fi
Detection	AI-powered (People, Vehicles, Pets)
Audio	Two-Way Talk

Recommended Use	Outdoor Security
ASIN	B0DHRT5339

# 5MP UHD Captures Every Detail



Figure 9: 5MP UHD Captures Every Detail

This image provides a visual comparison between 2MP Full HD and 5MP UHD resolution. It shows two side-by-side views of a building and a car, with the 5MP UHD image (2880x1620) clearly displaying finer details, such as a license plate number, compared to the blurrier 2MP image (1920x1080).

## WARRANTY AND SUPPORT

AOSU provides a standard warranty for its products. For specific warranty terms and conditions, please refer to the

warranty card included with your product or visit the official AOSU website. For technical support, product inquiries, or warranty claims, please contact AOSU customer service through the following channels:

- **AOSU Official Website:** [www.aosulife.com](http://www.aosulife.com) (Note: This is a placeholder URL as no specific support URL was provided in the input.)
- **In-App Support:** Access the support section within the AOSU mobile application.
- **Email Support:** Refer to your product packaging or the AOSU website for the official support email address.

When contacting support, please have your product model (SolarCam D1 Max) and ASIN (B0DHRT5339) ready.

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