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> [aosu T2 Ultra 4K Wireless Outdoor Security Camera System \(4-Cam Kit\) User Manual](#)

## aosu T2 Ultra

# aosu T2 Ultra 4K Wireless Outdoor Security Camera System (4-Cam Kit) User Manual

Model: T2 Ultra

Brand: aosu

## INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your aosu T2 Ultra 4K Wireless Outdoor Security Camera System. This 4-camera kit offers advanced features including 4K TrueColor Night Vision, AI recognition, 360° motion tracking, and solar power for continuous operation. Please read this manual thoroughly before installation and use to ensure optimal performance and safety.

## WHAT'S IN THE BOX

Verify that all components are present before beginning installation:

- 4 x aosu T2 Ultra 4K Wireless Security Cameras
- 4 x Detachable Solar Panels
- 1 x aosuBase Station
- Mounting Hardware (screws, anchors)
- USB Charging Cables
- Ethernet Cable
- Quick Start Guide

# 4K TrueColor Night Vision

See through the dark in vivid, natural color and ultra-clear detail—no spotlight needed.



aosu  
TrueColor



1/1.8" Sensor



F1.0 Lens



4K UHD



AI-Enhanced

Image: Overview of the aosu T2 Ultra 4K Security Camera System components, including four cameras, four solar panels, and the central aosuBase station.

## SETUP

- 1. Download the aosu App:** Search for "aosu" in your smartphone's app store (iOS or Android) and download the official application.
- 2. Connect the aosuBase Station:**
  - Place the aosuBase in a central location within your home, ideally near your Wi-Fi router.
  - Connect the aosuBase to your router using the provided Ethernet cable.
  - Plug the aosuBase into a power outlet.
- 3. Pair Cameras with aosu App:**
  - Open the aosu app and follow the on-screen instructions to add your new device.
  - The app will automatically detect and guide you through pairing each camera. Ensure cameras are powered on during this process.

## Swift Connectivity

Pair your device seamlessly using 2.4GHz Wi-Fi and Bluetooth assist.

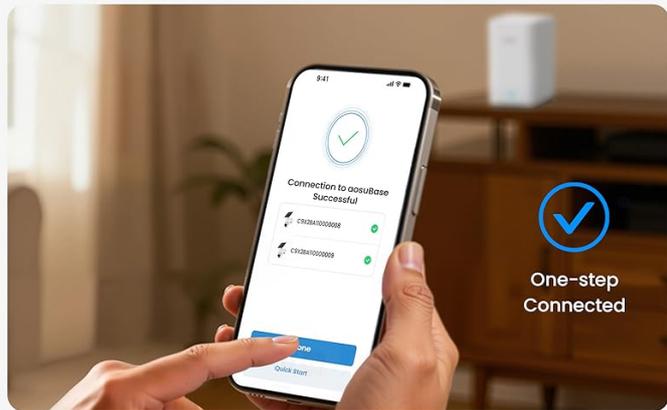


Image: A smartphone displaying the aosu app interface, confirming a successful one-step connection to the aosuBase station.

### 4. Mounting the Cameras and Solar Panels:

- Choose mounting locations that provide optimal viewing angles and sufficient sunlight exposure for the solar panels.
- The detachable solar panels can be mounted directly onto the camera or separately using the included extension cable for flexible placement to maximize sun exposure.
- Use the provided mounting brackets and screws to securely attach the cameras and solar panels. For outdoor installations, consider adding a small amount of caulk around screw holes to prevent water intrusion.
- For enhanced security, install cameras at a height that is not easily accessible from the ground.

# Detachable Solar Panel

Get the best sunlight without compromising your camera's view.



Image: Demonstrates the versatility of the detachable solar panel, allowing it to be mounted directly on the camera or separately for optimal sunlight.



## Two-Way Talk

Speak in real time through the camera to stay in touch at any moment. Also includes a voice-changing feature to disguise your voice for added security.

Image: A user demonstrating the simple, DIY installation of an aosu T2 Ultra camera, emphasizing its wireless and zero-maintenance design.

[Setup Video Guide](#)

Your browser does not support the video tag.

Video: A detailed guide on setting up the aosu T2 Ultra 4K Security Camera System, including base station connection, app pairing, and camera mounting.

## OPERATING THE SYSTEM

### 4K TrueColor Night Vision

The aosu T2 Ultra cameras provide vivid 4K TrueColor Night Vision, capturing clear and detailed footage in natural color even in low-light conditions, without the need for additional floodlights.



Image: A smartphone screen showing the camera's 4K TrueColor Night Vision, capturing a scene at night with clear, natural colors.

## Every Way to See in the Night

Experience complete control over how you see at night — switch between natural color, infrared, or smart auto mode as your surroundings change.



Image: A visual comparison illustrating the difference between standard human night vision and the aosu TrueColor Night Vision, highlighting enhanced clarity and color.

## AI Recognition & 360° Motion Tracking

The system utilizes Triple AI Detection (radar, PIR, and AI analysis) to accurately identify people and activity, significantly reducing false alerts. The 360° pan-tilt dome design provides complete coverage with real-time auto tracking, eliminating blind spots.

# Triple Detection, Precise Alerts

Uses radar, PIR, and AI analysis together to accurately detect movement and significantly reduce false alerts.

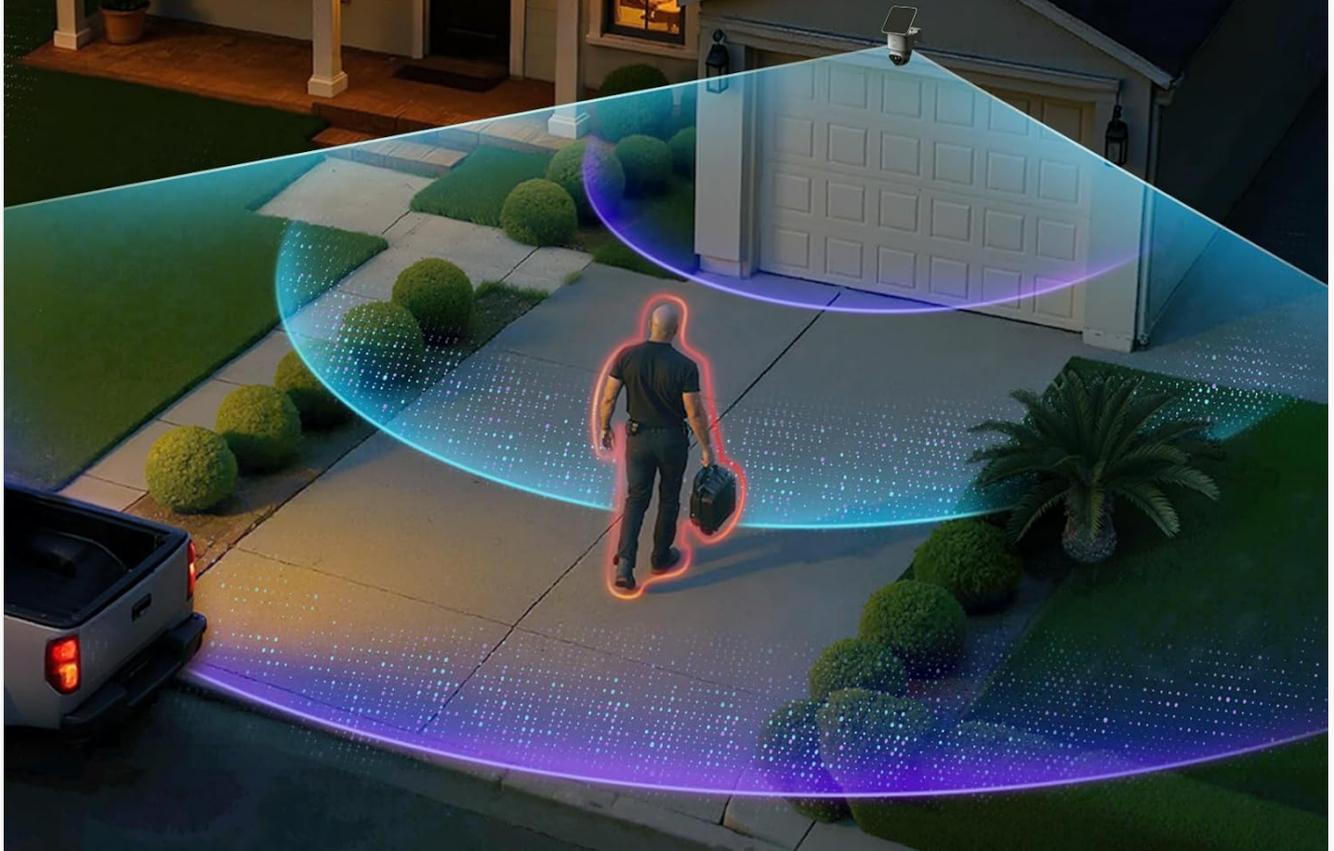


Image: An illustration demonstrating the camera's triple detection capabilities, highlighting its ability to accurately detect movement within a 35-foot range.

# Get the Full Picture

360° view + smart tracking = no more blind spots.



Image: An overhead view illustrating the camera's 360-degree pan and tilt functionality, demonstrating its ability to track movement across a wide area.

## Secure Local Storage

The aosuBase supports up to 1TB of local, encrypted storage, ensuring all video footage is stored securely without monthly subscription fees. This allows for extensive recording capacity and maintains your privacy.

## New aosuBase

More Storage, More Power, Zero Fees.

\*Basic recording is free; optional AI features require in-app purchase.  
\*Supports MicroSD card up to 1TB (not included).



Image: The aosuBase station, emphasizing its expandable storage capacity up to 1TB and the benefit of no monthly fees for local recording.

The system continues to record directly to the aosuBase even during Wi-Fi outages, ensuring no footage is lost.

## Security Without Compromise

Records directly to aosuBase during Wi-Fi outages.  
Footage never lost.



Image: Illustrates the system's ability to record directly to the aosuBase during Wi-Fi outages, preventing loss of security footage.

## Multi-Camera Tracking & All-At-Once Monitoring

The system connects clips from different cameras into a single, complete video for a full overview of events. You can view up to 4 cameras simultaneously with smooth, lag-free streaming through the app.

## More features. More storage.

Experience advanced cutting-edge security that AI has to offer when you join aosuProtect+.  
Let your home security truly understand what it sees.\*

[aosuProtect+](#)

\* Optional AI features are available by subscription via the aosu App and can be cancelled anytime.



Image: Depicts multiple cameras collaborating to track movement across a property, ensuring comprehensive coverage without gaps.

## Reliable Solar Charging

Engineered to perform in any lighting condition – from full sun to shaded areas.



Image: A smartphone screen showing simultaneous live feeds from four different aosu cameras, demonstrating the all-at-once monitoring feature.

## Two-Way Talk & Family Sharing

Communicate in real-time through the camera with the two-way talk feature. The system also supports family sharing, allowing multiple users to access and monitor the security feeds.

## 3-in-1 Precision Detection

Advanced radar, PIR, and AI work together to filter out false alarms, delivering reliable alerts across a 35 ft range.

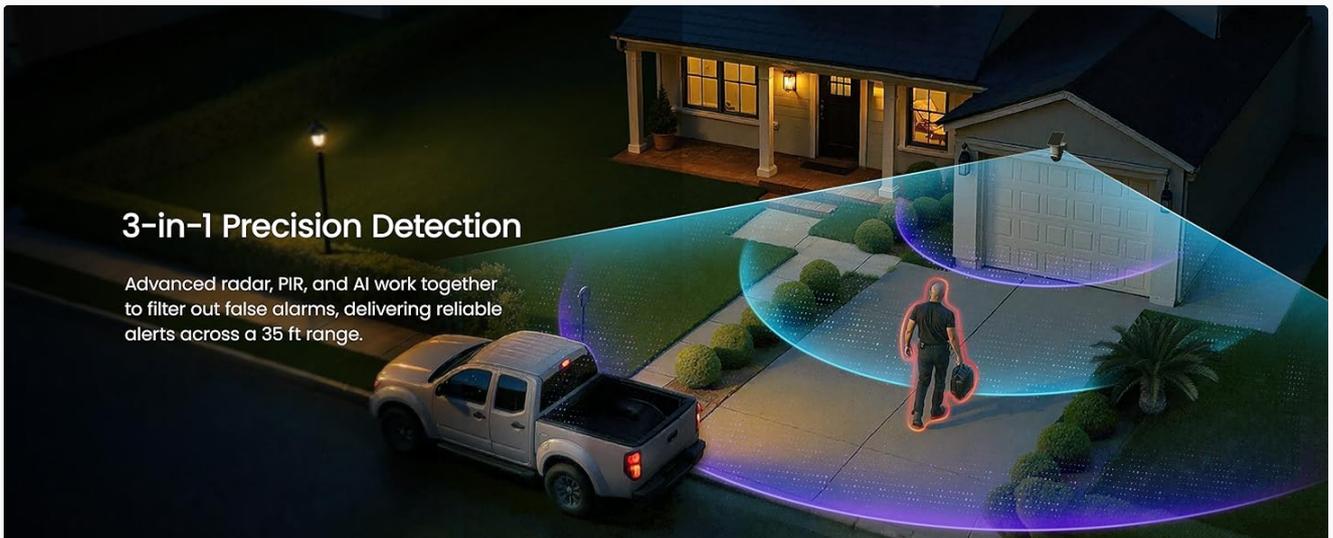
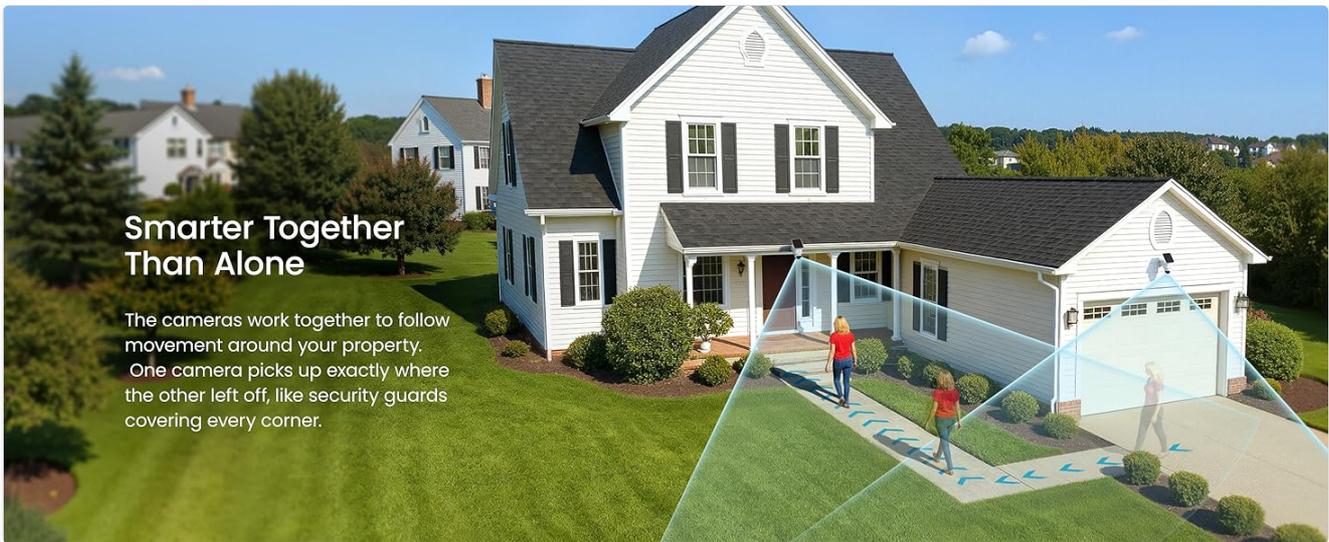


Image: An illustration depicting the two-way talk functionality, enabling real-time communication through the camera.



## Smarter Together Than Alone

The cameras work together to follow movement around your property. One camera picks up exactly where the other left off, like security guards covering every corner.

Image: Illustrates the family sharing feature, allowing multiple family members to access and monitor the camera system from their devices.

## Operation Video Guide

Your browser does not support the video tag.

Video: A comprehensive overview of the aosu T2 Ultra system's operational features, including night vision, AI tracking, and app functionalities.

## MAINTENANCE

### Solar Panel Care

The detachable solar panels are designed for continuous power. To ensure optimal charging efficiency, regularly clean the surface of the solar panels to remove dust, dirt, or debris that may obstruct sunlight. Position panels to receive maximum direct sunlight throughout the day.

### Quick & Easy Setup

No wiring. No installers. Just easy DIY setup.



Zero Maintenance



Always On



Wireless Installation



Image: Illustrates the reliable solar charging capability of the cameras, functioning effectively in diverse lighting conditions.

### Battery Management

The cameras are equipped with internal Lithium Ion batteries (included). The solar panels continuously charge these batteries. If a camera's battery level drops significantly due to prolonged low sunlight or heavy usage, you may temporarily charge it using a USB cable and a compatible power adapter (not included).

## Firmware Updates

Periodically check the aosu app for available firmware updates. Keeping your system's firmware up-to-date ensures you have the latest features, security enhancements, and bug fixes.

## TROUBLESHOOTING

### • No Video Feed / Offline Camera:

- Ensure the camera is powered on and its battery is charged.
- Check the Wi-Fi connection between the camera and the aosuBase. Relocate the camera or aosuBase if the signal is weak.
- Verify the aosuBase is connected to your router and has internet access.

### • Frequent False Alerts:

- Adjust the sensitivity settings for motion detection in the aosu app.
- Ensure the camera's field of view is not obstructed by moving objects like tree branches or flags.
- Utilize the AI detection zones to focus on specific areas and ignore irrelevant motion.

### • Poor Night Vision Quality:

- Clean the camera lens to remove any dirt or smudges.
- Ensure there are no strong light sources directly facing the camera at night, which can cause glare.

### • Solar Panel Not Charging:

- Clean the solar panel surface.
- Ensure the panel is positioned to receive direct sunlight for several hours daily.
- Check the connection cable between the solar panel and the camera.

## SPECIFICATIONS

Feature	Specification
Indoor/Outdoor Usage	Outdoor
Compatible Devices	Smartphone (Android, iOS), Amazon Alexa, Google Assistant
Power Source	Solar Powered (1 Lithium Ion battery included)
Connectivity Protocol	Bluetooth, Wi-Fi (2.4GHz)
Mounting Type	Wall Mount
Video Capture Resolution	4K
Effective Still Resolution	8 MP
Color	White
Number of Items (in kit)	4 Cameras

Feature	Specification
Flash Memory Installed Size	32 GB (expandable up to 1 TB with microSD card in aosuBase)
Optical Zoom	6x
Video Capture Format	MP4
International Protection Rating	IP65
Product Dimensions	16 x 9.5 x 6.5 inches
Item Weight	10.27 pounds
Special Features	4K, TrueColor Night Vision, Triple Detection (Radar, PIR, AI), Automatic Tracking

## WARRANTY AND SUPPORT

For warranty information, technical support, or further assistance, please refer to the official aosu website or contact aosu customer service directly. Contact details are typically found in the Quick Start Guide included with your product or on the manufacturer's website.

