

[Manuals.plus](#) /

> [AOSU](#) /

> AOSU 3K 5MP Outdoor Wired Security Camera with 2600 Lumens Floodlight User Manual

AOSU L5P2CA11

AOSU 3K 5MP Outdoor Wired Security Camera with 2600 Lumens Floodlight User Manual

Model: L5P2CA11

1. INTRODUCTION

Thank you for choosing the AOSU 3K 5MP Outdoor Wired Security Camera with 2600 Lumens Floodlight. This manual provides detailed instructions for the installation, operation, and maintenance of your security camera system. Please read this manual thoroughly before use to ensure proper functionality and safety.

2. PRODUCT OVERVIEW

The AOSU Floodlight Cam Pro is a high-performance outdoor security camera designed to provide comprehensive surveillance and intelligent lighting. Key features include:

- **3K Ultra HD Resolution:** 5-megapixel sensor for crystal-clear video, capturing distant details even in low-light conditions.
- **Intelligent Lighting:** Two adjustable floodlights up to 2600 lumens, with customizable lighting modes and periods. 270° wide-angle illumination covers up to 10 meters.
- **270° Motion Detection & 360° PTZ Coverage:** Three PIR sensors detect motion over a 270° angle, even outside the camera's field of view. The camera rotates 360° horizontally and 90° vertically for complete surveillance.
- **24/7 Continuous Surveillance:** Wired connection ensures uninterrupted recording, maintaining stable operation even in extreme cold.
- **AI Smart Detection:** Customizable zones and AI detection for people, vehicles, and pets, reducing false alarms.
- **Fast Connectivity & Stable Signal:** Integrated 2.4 GHz Wi-Fi and Bluetooth with dual external antennas for strong, stable signal and better wall penetration.
- **Local Storage:** Supports MicroSD cards up to 512GB for loop recording. Optional cloud storage available.
- **Two-Way Audio:** Communicate with visitors or deter intruders.

Package Contents

Verify that all components are present in the package:

- AOSU Floodlight Cam Pro
- Mounting Base
- Installation Hook and Rope
- Junction Box Kits
- User Manual (this document)

3. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance. This camera is designed for wired installation.

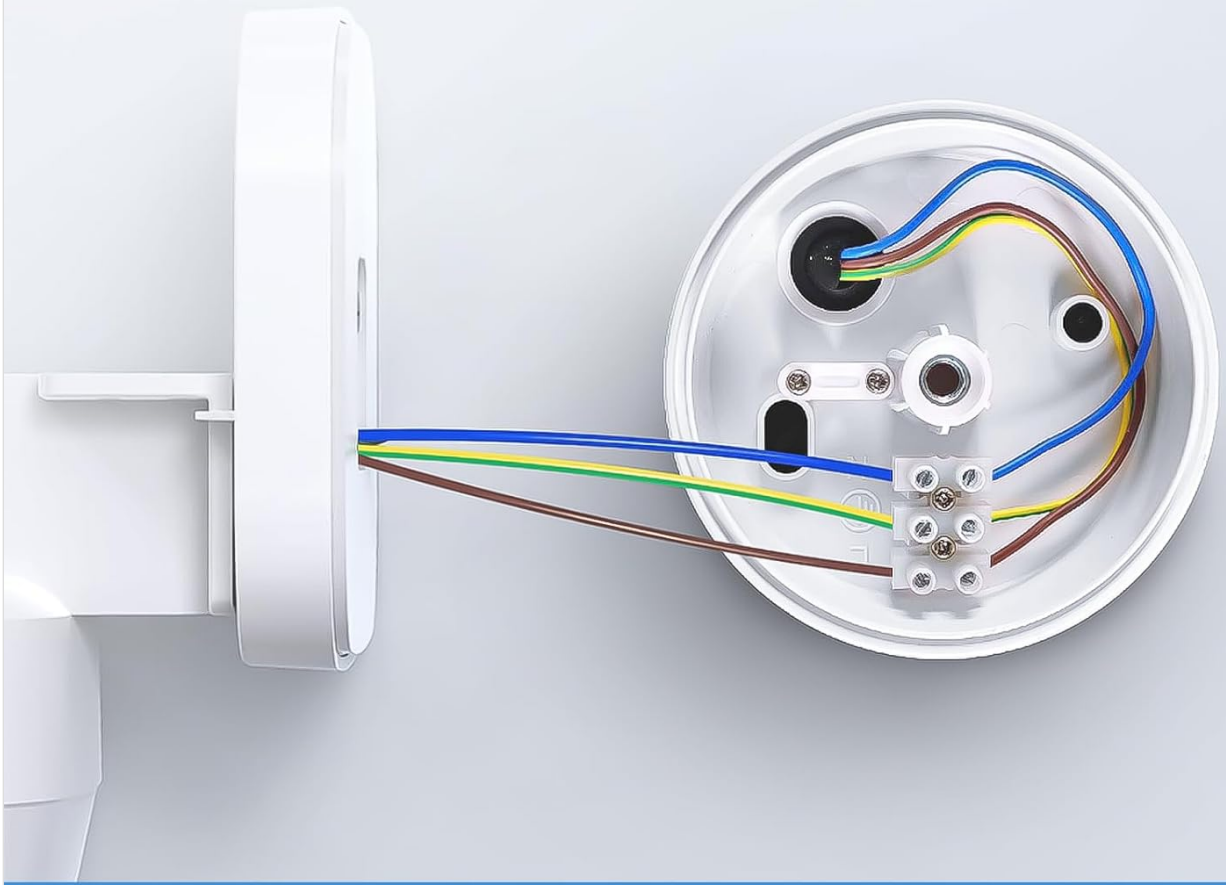
Safety Precautions

- **WARNING:** Always ensure the power supply is disconnected before performing any wiring or installation.
- Consult a qualified electrician if you are unsure about electrical wiring.
- Install the camera in a location that provides a clear view of the area you wish to monitor and is within Wi-Fi range.

Installation Steps

1. **Choose a Mounting Location:** The camera supports both wall and ceiling mounting. Select a location that offers the best coverage and is within reach of your power source.
2. **Prepare Wiring:** Turn off the main power supply to the installation area. Connect the camera's wires to your existing electrical wiring using the provided junction box kits. Ensure all connections are secure and insulated.

Installation câblée



Avant le câblage, l'alimentation
doit être coupée !

Image: Detailed view of the wired installation process, showing the junction box and electrical connections.

Before wiring, the power supply must be cut!

- 3. Mount the Camera:** Secure the mounting base to the wall or ceiling using appropriate screws and anchors. Attach the AOSU Floodlight Cam Pro to the mounting base.



Image: The AOSU Floodlight Cam Pro, showing its two floodlights and camera lens, ready for installation.



Image: Illustration of the camera mounted on both a ceiling and a wall, demonstrating flexible installation options.

4. **Restore Power:** Once the installation is complete and all connections are secure, restore power to the circuit.
5. **App Pairing:** Download the AOSU app from your smartphone's app store. Follow the in-app instructions to pair your camera using 2.4 GHz Wi-Fi and Bluetooth.

4. OPERATING INSTRUCTIONS

This section details the primary functions and how to operate your AOSU Floodlight Cam Pro.

Camera Features and Controls

- **Live View:** Access real-time video feed through the AOSU app.
- **PTZ Control:** Use the app to pan (360°) and tilt (90°) the camera lens to adjust the viewing angle.



Image: An illustration showing the camera's 360-degree horizontal and 90-degree vertical rotation capabilities for comprehensive coverage.

- **Two-Way Audio:** Utilize the built-in microphone and speaker for two-way communication.

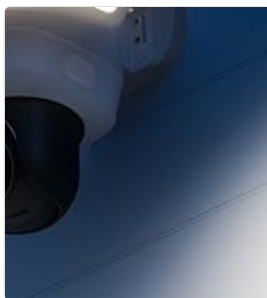


Image: A visual representation of the two-way audio function, showing a person speaking into a phone and the camera transmitting the audio.

- **Floodlight Control:** Adjust brightness (up to 2600 lumens) and set lighting schedules via the app. The floodlights can be activated by motion.

Illumination 2600 lumens

Transforme la nuit en jour



Image: A night scene showing the powerful 2600 lumens illumination provided by the camera's floodlights, turning night into day.

- **Motion Detection & AI Tracking:** The camera uses three PIR sensors for 270° motion detection. AI algorithms identify humans, vehicles, and pets, triggering alerts and recording.

Détection & Suivi IA

Reconnaissance humaine, véhicule, animal de compagnie



Image: An illustration demonstrating the camera's 270-degree motion detection range using three PIR sensors, covering areas even outside the direct camera view.

Résolution 3K UHD

Révélés les détails avec une clarté impressionnante



Image: A scene showing the camera's AI capabilities to recognize and track humans, vehicles, and pets, with bounding boxes indicating detected objects.

- **Recording and Storage:**

- **24/7 Continuous Recording:** The wired connection enables continuous recording.

Enregistrement 24/7

Toujours en garde



Image: An icon indicating 24/7 recording, with the camera shown active at night, emphasizing continuous surveillance.

- **Local Storage:** Insert a MicroSD card (up to 512GB, not included) for local loop recording.



Image: A close-up of the camera showing the MicroSD card slot, with a MicroSD card being inserted, highlighting the local storage option.

- **Cloud Storage:** Optional cloud storage is available with a 30-day free trial.
- **Customizable Zones:** Define specific activity zones to focus surveillance and trigger alerts only when motion is detected in those areas.

QOSU | SECURITY

Floodlight Cam Pro

Sécurité infaillible, couverture totale

3K
Résolution

2600
lumens

24/7
Enregistrement

360°
PTZ



Image: An overhead view of a driveway with a car, showing a blue shaded area representing a customizable activity zone for focused surveillance.

- **Night Vision:** The camera provides clear night vision, enhanced by the floodlights for color night vision.

Sécurité hors de vue

270° Sans angles morts

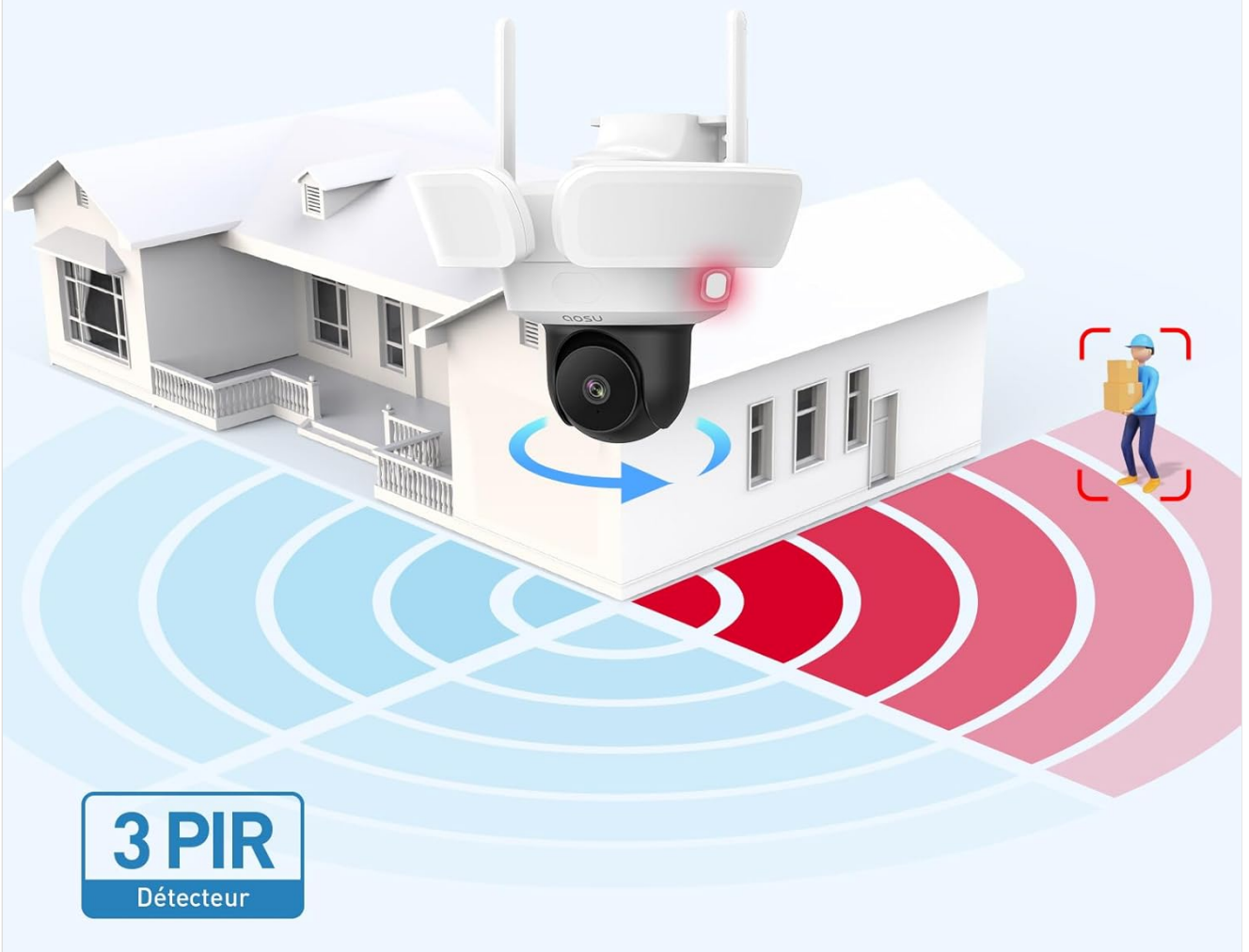


Image: A high-resolution image of a car in a driveway, with an inset showing a magnified view of a license plate, demonstrating the

3K UHD clarity.

- **Voice Control:** Compatible with Amazon Alexa and Google Assistant for smart home integration.



Image: A smart display showing the camera's live feed, with "Works with Alexa" and "Ok Google" logos, indicating voice control compatibility.

Using the AOSU App

The intuitive AOSU app allows for easy control and management of your camera. Features include:

- Viewing live feed and recorded footage.
- Receiving instant alerts for detected motion.
- Customizing detection settings and activity zones.
- Managing storage options (local and cloud).
- Accessing event history and downloading videos.



Image: A smartphone screen displaying the AOSU app's daily overview, showing a timeline of events and video thumbnails, allowing easy review and download.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your camera.

- **Cleaning:** Periodically clean the camera lens and floodlight surfaces with a soft, damp cloth. Avoid abrasive cleaners.
- **Firmware Updates:** Check the AOSU app regularly for firmware updates. Keeping your camera's firmware up-to-date ensures access to the latest features and security enhancements.
- **Weather Resistance:** The camera is designed to withstand various weather conditions (IP65 rated). However, ensure proper installation to prevent water ingress.



Image: The camera shown in rainy and snowy conditions, illustrating its weather-resistant design for reliable surveillance in harsh weather.

6. TROUBLESHOOTING

If you encounter issues with your AOSU Floodlight Cam Pro, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Camera not powering on.	No power supply; incorrect wiring.	Check power connections and ensure the circuit breaker is on. Verify wiring according to installation instructions.
Unable to connect to Wi-Fi.	Incorrect Wi-Fi password; camera too far from router; 5GHz network selected.	Ensure correct 2.4GHz Wi-Fi password. Move camera closer to router or use a Wi-Fi extender. The camera only supports 2.4GHz Wi-Fi.
Frequent false motion alerts.	Sensitivity too high; environmental factors (e.g., moving branches).	Adjust motion detection sensitivity in the app. Define activity zones to exclude irrelevant areas. Utilize AI detection for specific object types.
Poor video quality.	Dirty lens; weak Wi-Fi signal; low light conditions.	Clean the camera lens. Ensure strong Wi-Fi signal. Verify floodlights are functioning correctly for night vision.
MicroSD card not recording.	Card full; card not formatted; incompatible card.	Check card capacity. Format the MicroSD card via the app. Ensure the card is up to 512GB and a compatible class.

For further assistance, please contact AOSU customer support.

7. SPECIFICATIONS

Feature	Detail
Model Number	L5P2CA11
Video Resolution	3K (5MP)
Floodlight Brightness	Up to 2600 lumens
Motion Detection Angle	270 degrees (PIR sensors)
PTZ Coverage	360 degrees horizontal, 90 degrees vertical
Connectivity	Wired, Wi-Fi (2.4 GHz), Bluetooth
Local Storage	MicroSD card (up to 512GB)
Power Source	AC 240 Volts, 24 Watt-hours
Dimensions (L x W x H)	24 x 23 x 23 cm
Weight	2 Kilograms
Water Resistance	IP65 (Impermeable)

Feature	Detail
Operating Temperature	Maintains stable operation in extreme cold.
Compatible Devices	Smartphone, Tablet
Controller Type	Amazon Alexa, Android, Google Assistant

8. WARRANTY AND SUPPORT

Warranty Information

The AOSU Floodlight Cam Pro comes with a **12-month manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or natural disasters.

Please retain your proof of purchase for warranty claims.

Customer Support

For technical support, warranty claims, or any questions regarding your AOSU product, please visit the official AOSU website or contact their customer service team. Contact information can typically be found on the product packaging or the AOSU official website.

Online Resources:

- AOSU Official Website: www.aosu.com (Note: This is a placeholder URL, please refer to actual product documentation for correct support links.)
- AOSU Store on Amazon: [Visit AOSU Store](#)