



The 4G-ASPSCUS-1 is a cutting-edge outdoor surveillance camera, purpose-built for modern security needs. It features a fully wireless setup, making it an ideal solution for areas where traditional power and network connectivity are unavailable. With advanced 4G technology, solar power integration, and dual-camera functionality, this device offers reliable, high-performance monitoring with unmatched convenience and simplicity.

## Product Features and Advantages

### No Electrical Wiring Required

This device is powered by a **30W solar panel** paired with a high-capacity **20,800mAh lithium battery**, enabling independent operation without the need for electrical outlets. It ensures **uninterrupted performance**, even in off-grid or remote locations.

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### 4G Connectivity (EU Band)

With an integrated **4G module**, this camera provides real-time remote monitoring through mobile devices, eliminating the need for traditional broadband installations. It is ideal for areas with **4G network access** but lacking wired internet services.

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## Dual-Camera System

- **Wide-Angle View:** The main camera captures a broad perspective, perfect for monitoring large areas.
  - **Detailed Zoom-In:** A secondary camera enables precise inspection of specific details. Together, the system offers a "one device, multiple camera" effect for comprehensive surveillance.
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## Advanced Motion Detection

The system employs **dual PIR (Passive Infrared) sensors**, ensuring high-accuracy human detection while minimizing false alarms caused by environmental factors. Both cameras work collaboratively to deliver **precise detection and instant video recording**.

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## Dual Night Vision Modes

- **Infrared Mode:** Produces sharp black-and-white footage in low-light conditions.
  - **White Light Mode:** Delivers full-color night vision, ensuring vivid details even in complete darkness.
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## Wide-Angle Rotation

Featuring **320° horizontal** and **90° vertical rotation**, the camera offers a nearly **360° field of view**, effortlessly eliminating blind spots and providing thorough area coverage.

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## Energy-Efficient Operation

Designed for low power consumption, the camera balances high performance with minimal energy use:

- **Standby Power:** 0.00025W
  - **Active Power:** ≤2W during the day, ≤3W at night
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## Robust All-Weather Design

Built with an **IP66 waterproof rating**, the camera is engineered to withstand harsh environmental conditions like rain, snow, and dust, ensuring **year-round reliability** in diverse climates.

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## DIY Installation

This camera is lightweight, compact, and user-friendly, allowing for quick **DIY installation** without professional assistance. Users can set it up in just minutes.

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## Optimized for Various Use Cases

The device is ideal for areas that are difficult to connect to power or broadband, such as:

- **Residential:** Doorsteps, courtyards, gardens
  - **Agricultural:** Fish ponds, orchards, farms
  - **Industrial:** Construction sites, mines, warehouses
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## High-Volume Speaker Integration

Equipped with a **large external speaker**, the device can broadcast loud alarms or clear voice notifications. This feature enhances deterrence and communication, making it effective for real-time security alerts and warnings.

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## Smart Human Detection and Tracking

- **Pan-Tilt-Zoom (PTZ) Tracking:** Automatically detects and follows human movement within its field of view, ensuring continuous monitoring.
  - **Human Framing:** Highlights detected individuals with bounding boxes for better clarity.
  - **Zoom Tracking:** Adjusts zoom automatically to keep detected individuals clearly visible, providing both wide-area coverage and detailed views.
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## Digital Zoom Capability

The camera features a **10x digital zoom**, allowing users to magnify specific areas or objects for closer inspection without compromising image quality.

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## Real-Time Battery Monitoring

With the **O-KAM Pro app**, users can conveniently monitor the device's battery level in real time, ensuring uninterrupted operation and timely recharging when necessary.

## Technical Specifications



Specification	Details
Main Chipset	T40
Sensor	1/2.9" CMOS
Resolution	2960 x 1665 ( Dual camera total)
Focal Length	3.6mm (wide-angle and zoom cameras)
4G Module	APN/European version
PIR	Dual PIR (Passive Infrared Detection)
Network Protocols	TCP/IP, HTTP, TCP, UDP, SMTP, DHCP, DNS, P2P
Power Supply	Solar + lithium battery (20,800mAh)
Solar Panel	30W
Rotation Angles	Horizontal: 320°; Vertical: 90°
Detection Range	Up to 10 meters; 120° detection angle
Night Vision	Infrared and white light options
Working Modes	Micro-power + energy-saving dual mode
Human Tracking	PTZ motion tracking with human framing and zoom
Digital Zoom	10x digital zoom capability
Operating Temperature	-15°C to 60°C
Operating Humidity	0%-90% RH
Waterproof Rating	IP66
Standby Power	0.00025W
Active Power	Day: ≤2W; Night: ≤3W
App	O-KAM Pro
SD Card Support	Up to 128GB
Integrated Speaker	High-volume external speaker for alarms/alerts
Dimensions	Packaging: 380mm x 320mm x 245mm
Weight	5kg (with 8 x 18650 batteries included)
Packaging	21kg (4 units/box); Box size: 670mm x 400mm x 530mm

## Applications

This versatile surveillance camera excels in environments that are difficult to power or wire, including:



- **Residential Entrances:** Secure your home with a camera that doesn't require electrical wiring.
- **Farms and Orchards:** Monitor large, remote agricultural areas with ease.
- **Livestock and Fisheries:** Keep an eye on animals or fish ponds from anywhere.
- **Construction Sites and Mines:** Provide surveillance for remote work sites without additional infrastructure costs.
- **Temporary Event Locations:** Ideal for festivals, outdoor events, or temporary installations.

### Packaging Information

- **Weight (with batteries):** 5kg per unit
- **Outer Box Dimensions:** 670mm x 400mm x 530mm
- **Units per Box:** 4 cameras
- **Total Weight (box):** 21kg

### Product images Information



