



AOV Dual 10MP

2.4G Wi-Fi&4G

With 8W Solar Panel

Always-on Video (AOV) Mode addresses the common pain points of traditional battery cameras—such as delayed detection and incomplete recordings—by ensuring continuous monitoring and seamless event capture. The camera is equipped with a 2.4GHz Wi-Fi + 4G module, providing diverse connectivity options for stronger and more reliable signal transmission. It features dual lenses with a resolution of 5MP (2880 × 1620) + 5MP (2880 × 1620) and is built-in with a spotlight, ensuring clear high-definition images with vivid colors both day and night. Powered by IMOU SENSE AI, the camera has intelligent human/vehicle detection and active tracking capabilities, eliminating blind spots and achieving comprehensive security coverage. The hybrid battery + solar panel design eliminates the need for wired power, ensuring extended operating time through efficient energy collection and long-lasting battery performance.



5MP+5MP QHD Video

See more details than 2K
Wider view, clearer details



10000mAh Rechargeable Battery

No wiring needed—operates for extended periods on a single charge



Solar Panel

Lowers energy costs while being eco-conscious



Dual Connectivity Options

Choose between 2.4GHz Wi-Fi or 4G mobile data, depending on your needs



Smart Full-Color Night Vision

Automatically turn into color mode From infrared mode



Always-on Video Mode

24/7 Event recordings & snapshot recording coverage



Human & Vehicle Detection

Human/vehicle detection powered by IMOU SENSE technology



Low Temperature Charging

Normal charging can also be guaranteed at -15 °C, which is worry-free in winter



Two-way Talk

Live two-way engagement with visitors



Siren & Spotlight Alarm

Alarm linkage red and blue light, spotlight and siren



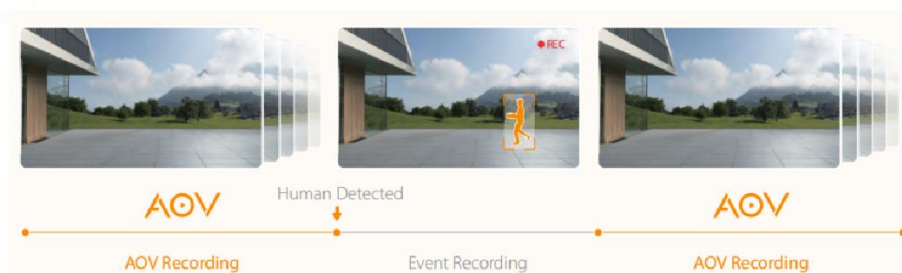
Secure Storage (up to 512GB)

Enjoy secure local storage with a micro SD card of up to 512GB

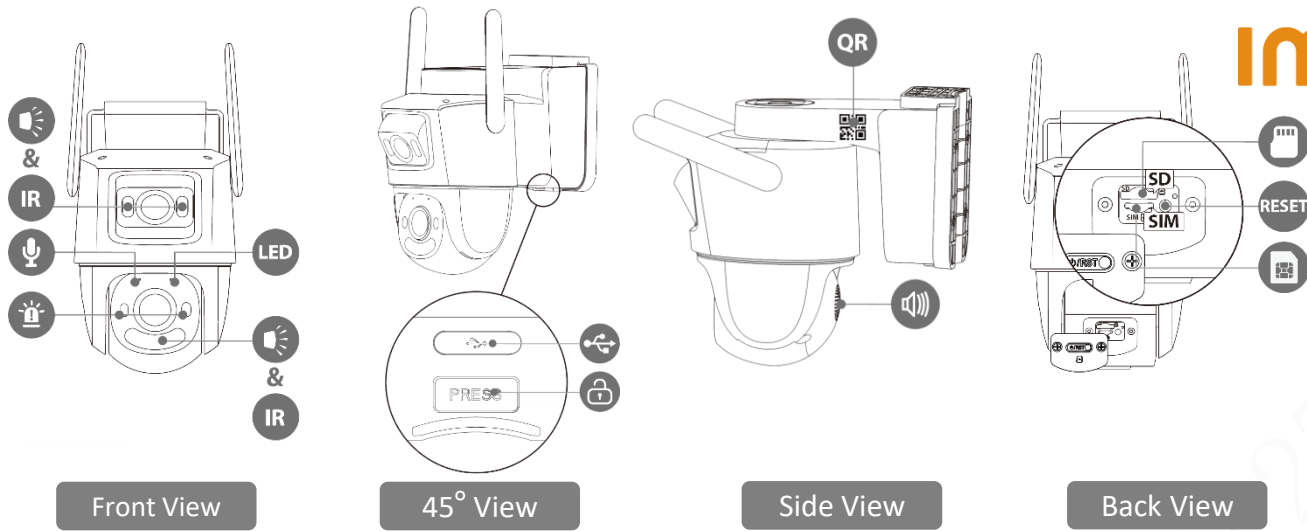


Weather Proof

Offer waterproof and weatherproof performance for outdoor use



AOV Dual takes it to the next level with the latest Always-on Video (AOV) technology. With AOV, the camera intelligently allocates its resources by compiling time-lapse videos from images captured at your scheduled intervals. Additionally, it also records full videos when an alarm is triggered, precisely controlling the power consumption for each operation. This enhances home safety while reducing battery consumption.



Specifications

Camera

Image Sensor	1/3" Progressive CMOS
Max Resolution	5MP(2880×1620) + 5MP(2880×1620)
Night Vision	25m (82ft) Distance
Focal Length	3.6mm Fixed Lens+ 3.6mm PT Lens
Field of View	76°(H), 41°(V), 91°(D)
Fixed Lens	260° horizontal, 90° vertical
PT Lens	340°Pan & 90°Tilt
Rechargeable Battery	10000mAh

General

Power supply	DC 5V 2A
Working Temperature	-20°C~+50°C (-4°F~122°F)
Charging Temperature	-15°C~+45°C (14°F~113°F)
Dimension(L×W×H)	195mm×115mm×193mm
Weight	1080g (2.38lb)
Certification	CE, MSDS

Video & Audio

Video Compression	H.265, H264
Video Frame Rate	Up to 15fps Frame Rate
Focal Length	8×Digital Zoom
Sound Channel	Two-way Audio

Network

Wi-Fi	IEEE802.11b/g/n/ax, WiFi6, 120m Open Field
4G	LTE FDD: 1/3/5/7/8/20/28, LTE TDD: 38/40/41
IMOU App	iOS, Android

Auxiliary Interface

Micro SD Card	Up to 512GB
Built in Mic & Speaker	YES
Reset Button	YES

Notice Management

Human Detection	YES
Vehicle Detection	YES
Low-Battery	YES

What's in the box

Camera

Camera × 1	SIM Card × 1
Quick Start Guide × 1	128GB SD Card × 1
Power Cable (1m) × 1	
Mounting Bracket × 1	
Screw Position Stickers × 1	
Screw and Wall Anchor Pack × 1	

Solar Panel

Solar Panel × 1
Mounting Bracket × 1
Screw and Wall Anchor Pack × 1
Quick Start Guide × 1