



AOV Air 5MP

2.4 & 5GHz Wi-Fi

With 3W Solar Panel

The AOV Air utilizes leading **AOV (Always On Video)** technology, addressing common pain points of traditional battery-powered cameras, such as detection latency, incomplete recording, and excessively short detection distances. The camera connects via **dual-band 5GHz/2.4GHz Wi-Fi 6**, providing flexible and stable connectivity while minimizing interference for stronger and more reliable signal transmission. With **5MP** resolution and a built-in spotlight, it provides clear, sharp, and vibrant HD video, day or night. Equipped with **IMOU SENSE** AI technology, the camera supports intelligent people and vehicle detection, and immediately sends a notification to the app upon detecting an alarm event.. The **5000mAh** rechargeable lithium battery and **3W** solar panel design eliminates the need for wired power, ensuring long-term operation through efficient energy harvesting and extended battery life.



5MP QHD Video

See more details than 5MP



5000mAh Rechargeable Battery

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



Smart Full-Color Night Vision

Automatically switches to color mode from infrared mode.



Dual-Band Wi-Fi 6

Flexibly set up with 5GHz or 2.4GHz Wi-Fi for stronger & more stable signals



Human & Vehicle Detection

Human/vehicle detection powered by IMOU SENSE technology



PIR & AOV Mode

Event Recording by PIR Mode & 24/7 Always on video recording by AOV Mode



Privacy Mode

Hide the lens to protect your Personal privacy



Low Temperature Charging

Normal charging can also be guaranteed at **-10 °C**, which is worry-free in winter



Two-way Talk

Live two-way engagement with visitors



Siren & Spotlight Alarm

Alarm linkage spotlight and siren



Secure Storage (up to 512GB)

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



Solar Panel

Lowens energy costs while being eco-conscious



Stay close with what you care

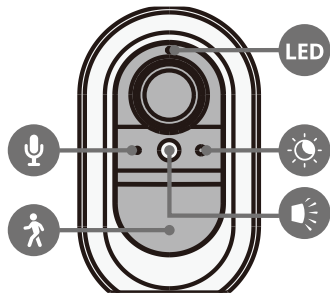
With SD Card , you will have access to what you care as long as Internet is available .

You can record daily or motion videos on **Cloud** and play back anytime anywhere.

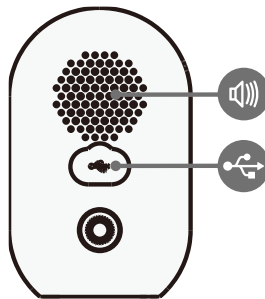


Always on video for 24/7 Recording

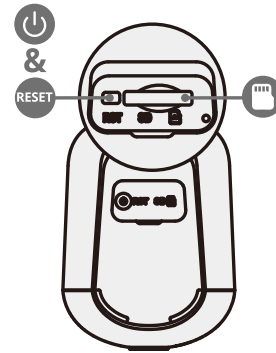
AOV Mode records full alarm videos and generates footage/ from quick snapshots the rest of the time.



Front View



Back View



Back View

Specifications

Camera

Image Sensor	1/ 2.9" Progressive CMOS
Max Resolution	5MP(2880×1620)
Night Vision	15m (49ft) Distance
Focal Length	F1.6; 3.6mm Fixed Lens
Pan & Tilt Lens	94°(H),52°(V),111°(D)
Rechargeable Battery	5000mAh

General

Power supply	DC 5V 2A
Working Temperature	-20°C~+50°C (-4°F~122°F)
Charging Temperature	-10°C~+45°C (14°F~113°F)
Dimension(L×W×H)	106mm×91mm×155mm
Weight	270g (0.6lb)
Certification	CE, MSDS

Video & Audio

Video Compression	H.265
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/a/ac/ax, WiFi6,150m Open Field
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
- Quick Start Guide × 1
- Power Cable × 1
- Mounting Bracket × 1
- Mounting Plate × 1
- Screw Position Stickers × 1
- Screw and Wall Anchor Pack × 1



3W Solar Panel

FSP12-TYPEC

Connect your Imou solar powered camera to this solar panel with 4m connection cable(included) to get non-stop power.

Compatible with AOV Air,AOV PT,AOV PT Lite , Cell PT 3C, Cell 3C, Cell Go Full Color ...



Solar-Powered Continuous Charging

3W high-efficiency solar panel means that with just a few hours of direct sunlight every day, your camera will stay charged around the clock.



WeatherProof

Built to withstand extreme weather conditions.



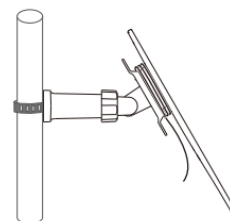
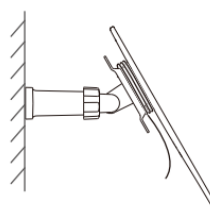
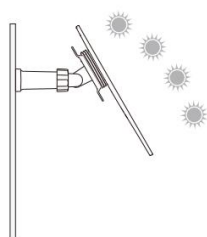
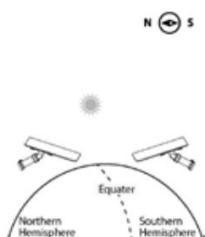
4m Connection Cable

The 13ft (4m) cable allows for flexibility when choosing the location of your solar panel and ensures it can get maximum sunlight exposure.



Type-C

Reinforced Type-C cable with special joint design for extra protection and durability, effectively prolong the service life.



Specifications

Max. Power: $3W \pm 5\%$ @40000lux

Solar panel working voltage: $6V \pm 5\%$

Working current: $0.5A \pm 5\%$

Operating temperature: $-20^{\circ}C$ to $+60^{\circ}C$

Storage conditions: Temperature- $-20^{\circ}C \sim 45^{\circ}C$, Humidity < 60%

Conversion rates: $\geq 19.5\%$

Device Dimensions: 173x120x12.5mm(6.81x4.72x0.49 inch)

Device Weight: 261.5g(0.577lb)

What's in the box



x1



x1



x1



x1



x1



x1



x1

- 1x Solar Panel
- 1x Mounting Bracket Arm
- 1x Knob for Locking Solar Panel
- 1x Knob for Locking Bracket
- 1x Mounting Bracket Tray
- 1x Screw and Wall Anchor pack
- 1x Quick Start Guide