

# 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

**Always-on Video Mode**
24/7 Event recordings & snapshot recording coverage

**Privacy Mode**
Hide the lens to protect your Personal privacy

**Low Temperature Charging**
Normal charging can also be guaranteed at **-10 ℃**, 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.

**Solar Panel**
Lowers energy costs while being eco-conscious



## Stay close with what you care

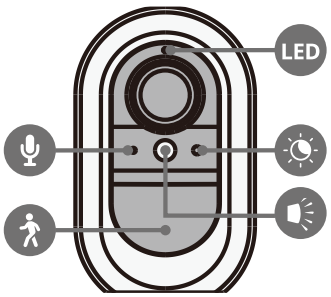
With SD Card , you will have access to what you care as long as Internet is available .

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

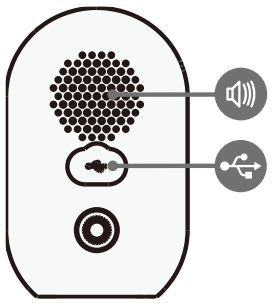


Event trigged
15 frames per second

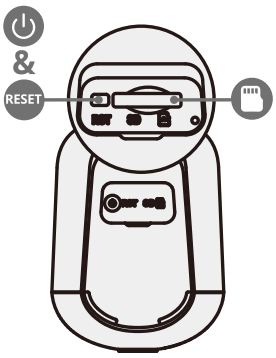
No Event, snapshot is timed
Snap shot Interval:2/3/5/10/15s




Front View



Back View




Back View

# Specifications

## Camera

| | |
|---|---|
| Image Sensor | 1/3”Progressive CMOS |
| Max Resolution | 5MP(2880×1620) |
| Night Vision | 20m（66ft）Distance |
| Focal Length | F1.6； 3.6mm Fixed Lens |
| Pan & Tilt Lens | 94°(H),52°(V),111°(D) |
| Rechargeable Battery | 5000mAh |

## 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 |

## General

| | |
|---|---|
| Power supply | DC 5V 2A |
| Working Temperature | -20℃~+50℃（-4℉~122℉） |
| Charging Temperature | -10℃~+45℃（14℉~113℉） |
| Dimension(L×W×H) | 106mm×91mm×55mm |
| Weight | 220g（0.48lb） |
| Certification | CE， MSDS |

## 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

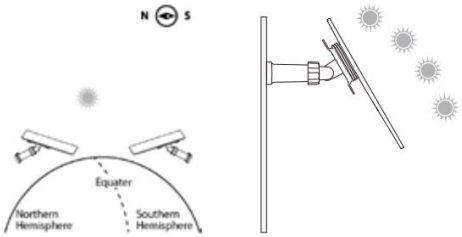
Built to withstand extreme weather conditions.

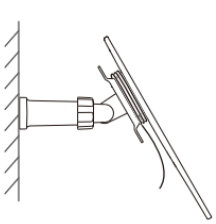
### 4m Connection Cable

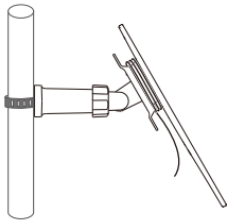
The 13ft (4m) cable allows for flexibility when choosing the location of your solar panel and ensures it can get maximum sunlight exposure.

### Type-C

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





## Specifications

Max. Power： 3W±5%@40000lux

Solar panel working voltage: 6V±5%

Working current: 0.5A±5%

Operating temperature: -20℃ to +60℃

Storage conditions: Temperature-20℃~45℃,Humidity < 60%

Conversion rates: ≥19.5%

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

Device Weight： 261.5g(0.577lb)

## What’s in the box




- 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