

Tenda



CS6G

4MP 4G Solar-Powered AOV Pan/Tilt Camera Kit

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Description

4MP 4G Solar-Powered AOV Pan/Tilt Camera Kit CS6G mainly consists of one 4MP high-definition camera and one BC high-efficiency solar panel. It integrates multiple features into one high-performance solar pan/tilt camera kit, including 4MP high-definition resolution, 360° pan/tilt view, Ultra Low Light Full-Color Pro technology, AOV 2.0 24/7 recording, low-light charging, an 8000mAh lithium battery, 4G LTE transmission, human detection, motion detection, human tracking, and two-way audio. This product is commonly used for outdoor surveillance scenarios such as farms, orchards, and construction sites.

Main Features



Ultra Low-Light Full-Color Pro, Night as Clear as Day

The camera, featuring an F1.0 large aperture lens and a high-performance BSI CMOS sensor, and powered by our AI-ISP imaging algorithm, delivers daytime clarity even in low-light night conditions.



Excellent Low-Light Charging Performance

This solar panel uses advanced BC cells with no front wires, so it captures more sunlight and makes more power. It can charge efficiently during rainy weather, early mornings and dusk. The panel has a tough ETFE surface that is stronger, lasts longer, and looks better than glass.



Power On, Sun or None

Built-in 8000mAh battery works with solar power for 14-day uninterrupted power, guaranteed in any weather.

* Charging requires an ambient temperature above 0°C.

* Data sourced from Tenda Laboratory, for reference only. Actual performance may vary.



Short on Sunshine? Expand with Extra Solar Panel

Equipped with dual USB-C ports, add a second solar panel for a dual-charging system. This effectively addresses short daylight hours in high-latitude regions and boosts charging efficiency significantly. For extreme conditions, it also works with an adapter or power bank to keep the camera running continuously.



AOV2.0, 24/7 Continuous Recording

Equipped with AOV2.0 technology, it supports a maximum setting of 3 frames per second (fps) for detection and recording (1 fps by default). Compared with AOV1.0 (1 frame per 3 seconds for detection) and conventional battery cameras (which only record when an alarm is triggered), this captures more complete footage before alarms and records all essential details when an alarm is triggered.



AOV Mode Storage: 20x Longer Recording

Using AOV continuous recording mode, compared to traditional continuous recording at the same resolution, saves approximately 20 times more storage space on the same SD card.

* Data sourced from Tenda Laboratory, for reference only. Actual performance may vary.

Main Features



No Cabling, No Network Configuration

Supports 4G, insert SIM card and recharge to use. Simply install and use. Perfect for scenic spots, villages, farms, forests, and livestock.



See Farther. Detect Smarter

Unlike other battery cameras using traditional PIR, Tenda's AOV Solar Camera employs video AI detection for a longer detection range and superior accuracy.



Custom Detection Zones & Active Tracking

Supports custom detection zones. Upon human entry, it accurately recognizes human figures, tracks real-time movement, automatically triggers custom voice alerts to warn intruders, and sends instant alarm notifications.



360° Panoramic View, Zero Blind Spots

Featuring a dual pan-tilt design, it supports flexible rotation in all directions for panoramic, blind-spot-free security protection. With the ability to preset 6 key positions, it ensures precise coverage of every corner, even in large yard settings, thereby eliminating all surveillance blind spots.



Two-Way Audio

When the device detects an abnormal situation, users can not only issue voice warnings to deter suspicious individuals but also conduct real-time two-way communication, which allows for timely handling of various on-site incidents.



100% Ad-Free Experience

Ad-free app environment, smoother and cleaner experience.

Main Features



IP65 Dustproof & Waterproof



Dual Snap-On Mounting Brackets for Easy Installation

Featuring a snap-on bracket for simple operation, this design employs a split-mount structure and includes a 3-meter cable, allowing flexible placement of the solar panel.

Technical Specifications

Camera	
Image Sensor	1/2.9" Progressive Scan CMOS
Day & Night	ICR type
Lens	
Focal Length	4mm
Aperture	F1.0
FOV	Horizontal : 86.3°, Vertical : 54.3°, Diagonal : 93.7°
Illuminator	
Supplementary Light	2 IR lights, 2 Spotlights
Supplementary Light Distance	Up to 30 m/100 ft (depending on environment)
IR Wavelength	850nm
Night Vision Mode	Smart Mode, Full Color Mode, Black & White Mode
Video	
Video Encoding Format	H.265
Main Stream Resolution	2560 x 1440
Sub Stream Resolution	640 x 360
Frame Rate	AOV Mode 1/5-3fps (Default 1fps), Alarm Mode 15fps
Bit Rate	Self-adaptive
Bit Rate Control	VBR
Audio	
Audio Encoding Format	AAC
Audio Sampling Rate	8 kHz
Audio Communication	Two-way Audio
Image	
Image Enhancement	DWDR, 3D DNR
Image Function	Anti-Flicker

Technical Specifications

Network	
Ethernet Port	/
Client	TDSEE SOLAR (mobile phone)
Pan&Tilt	
Pan Movement Range	0°-355°
Tilt Movement Range	10°-100°
Preset	6
4G	
SIM Card Type	Nano SIM, the package includes a SIM card and provides 100MB of trial data (only available in Indonesia, Malaysia, Philippines, Thailand, Vietnam, Australia, EU countries, the United Kingdom, Russia, the United States, Mexico, and Brazil).
Uplink and Downlink Data Rate	Cat 1, uplink: 5Mbps, downlink: 10Mbps
Frequency Bands	EMEA/SEA/OC: LTE-FDD: B1/B3/B5/B7/B8/B20/B28 NA: LTE-FDD: B2/B4/B5/B12/B13/B66 LA: LTE-FDD: B2/B3/B4/B5/B7/B8/B28
Alarm	
Smart Detection	Human Detection, Motion Detection
Smart Linkage	Motion Tracking, Sound Alert
DIY Audio	1 Customized Audio
Interface	
Audio Input	Built-in MIC
Audio Output	Built-in Speaker
Storage	Supports up to 512GB Micro SD card
Reset Button	Support
Power Button	OFF/ON
Power Port	USB-C x 2
LED Indicator	Dual Color (red & blue) LED Indicator, Blue Charging Indicator

Technical Specifications

Battery	
Battery Type	Rechargeable Lithium Battery
Capacity	8000mAh, 29.6Wh
Charging Temperature	0 °C ~ 45 °C (32 °F ~ 113 °F)
Cycle Lifetime	14days (AOV Mode 1fps, 1 hour alarm triggered per day)
Solar Panel	
Power	8W
Solar Cell Type	BC (Back-contact) Solar Cell
Power Cable Length	3m
Interface	USB-C
Surface Material	ETFE

Technical Specifications

General	
Power	5V 2A, Solar Panel, USB-C Power Plug
Material	Plastic
Product Dimension	Camera: 188.2mm x 142.4mm x 102mm (7.4" × 5.6" × 4") Solar Panel: 265mm x 177mm x 16mm (10.5" × 7" × 0.7")
Package Dimension	300mm x 198mm x 145mm (11.9" × 7.8" × 5.7")
Product Weight	615g (1.36lb)
With Package Weight	1440g (3.17lb)
Protection Level	IP65 for Both Camera and Solar Panel
Installation Method	Wall Mounting, Ceiling Mounting, Pole Mounting
Certification	CE, FCC, RoHS, UKCA
Temperature	Operating Temperature: -10°C ~ 60°C (14°F ~ 140°F) Storage Temperature: -10°C ~ 60°C (14°F ~ 140°F)
Humidity	Operating Humidity: 10% ~ 90% RH (non-condensing) Storage Humidity: 10% ~ 90% RH (non-condensing)
Package Contents	4G Pan/Tilt Camera x 1 Solar Panel x 1 Camera Bracket x 1 Solar Panel Bracket x 1 Quick Installation Guide x 1 Mounting Accessories Kit x 1 Installation Template x 1 SIM Card x 1 (Only available in Indonesia, Malaysia, Philippines, Thailand, Vietnam, Australia, EU countries, the United Kingdom, Russia, the United States, Mexico, and Brazil.)

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