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Solar-Powered Security Camera Kit



Overview

- **Uninterrupted Power Supply:** Enjoy a maintenance-free security experience with the Tapo Solar Panel, which provides a continuous power supply and flexible installation.
- **Color Night Vision with Starlight Sensor:** Enhances your security by revealing brighter, full-color images and vivid details even in low-light conditions with built-in spotlights and the starlight sensor.
- **2K QHD Live View:** Every detail matters. Going beyond standard Full HD, the Tapo Solar-Powered Security Camera Kit offers impressive 2K QHD resolution for unmatched precision and clarity.
- **Free AI Detection:** Smart AI accurately identifies people, pets, and vehicles, reducing false alerts and unnecessary notifications.
- **Anti-Theft Alert & Privacy Lock:** Get instantly notified if your camera is removed by an intruder for superior protection. Secure your microSD card with a password through the Tapo app for enhanced privacy protection.

Features

High-Efficiency Solar Charging



Just 45 minutes** of sunlight daily powers the Tapo camera all day. Its battery lasts up to 300 days***

142° Super-Wide FOV



Expands your surveillance coverage, ensuring more security for vital areas.

	Free Person/Pet/Vehicle Detection Smart AI identifies people, pets, and vehicles, reducing false alerts and unnecessary notifications, which also extends battery life.		2K QHD Live View Now with 1.7× more pixels than 1080p, providing clearer videos and more crisp photos.****
	Color Night Vision Enhances your security by revealing vivid colors with built-in spotlights and starlight sensor.		Anti-Theft Alert & Privacy Lock Get instantly notified if your camera is removed by an intruder. Secure your microSD card with a password through the Tapo app for enhanced privacy protection.
	Local^s and Cloud[#] Storage Save recorded video on a microSD card (up to 512 GB). No subscription required. Cloud storage is also supported for flexibility.		Customizable Sound and Light Alarm Record your own audio as an alarm and adjust the brightness of dual spotlights for your customized use.
	IP66 Weatherproof* Performs well even in harsh environments with rain and dust, ideal for outdoor scenarios.		

Specifications

Camera	
Image Sensor	1/3"Progressive Scan CMOS Starlight Sensor
Lens	Focal Length: 2.53mm Aperture: F1.6

Night Vision	850 nm IR LED (49 ft / 15 m) Color Night Vision
Night Mode	IR-Mode/ Full-Color Mode
Day/Night Switch	IR-Cut Filter with Auto-Switching
Lighting	2 × Spotlights
Interface & Button	1× POWER Button 1× RESET Button 1× microSD Card Slot (Up to 512 GB)
Solar Panel	
Connection Capacity	A solar panel can only connect to one camera.
Output Port	Type-C
Video & Audio	
Maximum Resolution	2K QHD 4MP (2560 × 1440 px)
Frame Rate	15/20/(25/30)fps
Digital Zoom	12×
Live View	Yes
Image Enhancement	3D DNR WDR
Audio Input & Output	Built-in Microphone and Speaker
Audio Communication	Two-Way Audio with Noise Cancellation
Siren Volume	94 dB (Level measured at 4-inch/10-cm distance)
Storage	
Local Storage	microSD Card Slot on Camera (Up to 512 GB) (SD Card Purchased Separately)
Cloud Storage	Tapo Care Cloud Storage Services (Subscription required)
Detection & Notification	

Detection	Motion Detection Person Detection Pet Detection Vehicle Detection
Activity Zones	Yes
Output Notification	System Notification System Notification with Snapshot (Tapo Care Services)
Network	
Network Connectivity	Connect via Wi-Fi
Wireless Connectivity	IEEE 802.11b/g/n, 2.4 GHz Wi-Fi
Transmission Rate	11b: 11 Mbps 11g: 54 Mbps 11n: 72.2 Mbps
Protocol	TCP/IP, ICMP, DNS, HTTPS, TCP, UDP
Security	
Security	128-bit AES Encryption with SSL/TLS WPA/WPA2-PSK/WPA3-PSK
Power	
Power Source	10000 mAh Built-in Rechargeable Lithium-ion Battery - Tapo Solar Panel (Tapo A201)
Solar Panel Max Charging Voltage	5.2 V
Solar Panel Max Charging Power	2.5 W [†]
Camera Adapter Input	100-240 V, 50/60 Hz
Camera Adapter Output	5.0 V, 2.0 A
Power Cord Length	USB Adapter Cable Length: 0.5 m (19.68 in.) Solar Panel Charging Cable Length: 0.25 m (9.84 in.)

Camera Maximum Power Consumption	2.09 W
General	
Smart Integration	Google Assistant, Amazon Alexa
Weather Resistance	IP66 for Tapo Camera, IP65 for Tapo Solar Panel
Mounting Options	Wall-Mounted
Operating Temperature	-20°C~ 45°C (-4 °F~ 113°F) [‡]
Storage Temperature	-40°C~ 60°C (-40 °F~ 140°F)
Operating Humidity	10%~90% RH, Non-condensing
Storage Humidity	5%~90% RH, Non-condensing
Charging Temperature	0°C ~ 45°C (32 °F~ 113°F)
Weight	Camera: 11.82 oz / 335 g Solar Panel: 4.9 oz/ 140 g
Dimensions	Camera: 4.57 × 2.55 × 2.55 in (116.2 × 64.8 × 64.8mm) Solar Panel: 6.83 × 4.74 × 0.62 in (173.42 × 120.42 × 15.7 mm)
Package Contents	For 1-Pack: • Tapo Camera x 3 • Tapo A201 Solar Panel x 3 • Camera Bracket x 3 • Tapo A201 Solar Panel Bracket x 3 • Extension Wire x 3 • Decorative Cover Plate x 1 • Mounting Template x 1 • Mounting Anchors • Mounting Screws • Waterproof Seals x 2 • Battery Charger Cable x 1 • Cable Tie x 1 • Screw Caps x 2 • Quick Start Guide

	• Tapo A201 Solar Panel x 3 • Camera Bracket x 3 • Tapo A201 Solar Panel Bracket x 3 • Extension Wire x 3 • Decorative Cover Plate x 3 • Mounting Template x 3 • Mounting Anchors • Mounting Screws • Waterproof Seals x 6 • Battery Charger Cable x 1 • Cable Tie x 3 • Screw Caps x 6 • Quick Start Guide For 4-Pack: • Tapo Camera x 4 • Tapo A201 Solar Panel x 4 • Camera Bracket x 4 • Tapo A201 Solar Panel Bracket x 4 • Extension Wire x 4 • Decorative Cover Plate x 4 • Mounting Template x 4 • Mounting Anchors • Mounting Screws • Waterproof Seals x 8 • Battery Charger Cable x 1 • Cable Tie x 4 • Screw Caps x 8 • Quick Start Guide
Certifications	CE, FCC, DOE, CEC, RCM, KC, NCC, BSMI, NTRA

† Actual charging power may vary based on installation location, weather conditions, temperature, and other environmental factors.

‡ The suitable operating temperature for the solar panel is -20°C to 45°C (-4°F to 113°F). The battery charging temperature should be maintained between 0°C and 45°C (32°F and 113°F).

§ microSD card purchased separately. Actual storage capacity depends on the size of the microSD card used.

** 45 minutes of sunlight is based on standard environmental conditions (1000W/m², 25°C, AM1.5) and specified working scenes (up to 100 events triggered per day). The actual required time of sunlight may vary.

*** 300-day battery life is based on Tapo laboratory tests with 230s of use per day. Increased usage of 360s per day reduces battery life to 180 days. The time of use includes recording and watching live views. Actual battery life may vary due to device settings, usage, router specifications, and environmental factors.

**** Compatible with Alexa and Google Assistant supported displays. User experience is dependent on the connected device's specifications.

Product

Support

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