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Datasheet

Solar-Powered Pan/Tilt 4G LTE Security Camera Kit

2K Resolution

TC90G KIT

4G LTE Reliable 4G Connection

Continuous Solar Charging | Person/Pet/ Vehicle Detection | 360° AI Tracking | Color Night Vision

works with alexa

works with Google Home

Highlights

Reliable 4G Connection, Flexible Camera Placement

The camera connects through 4G LTE networks, ideal for locations like garages, vacation homes, warehouses, and farms where constant Wi-Fi is unavailable. Powered by battery and solar panel, the camera can be installed flexibly without the limit of outlet.

Highlights

Premium Features. Total Control. All in One App.

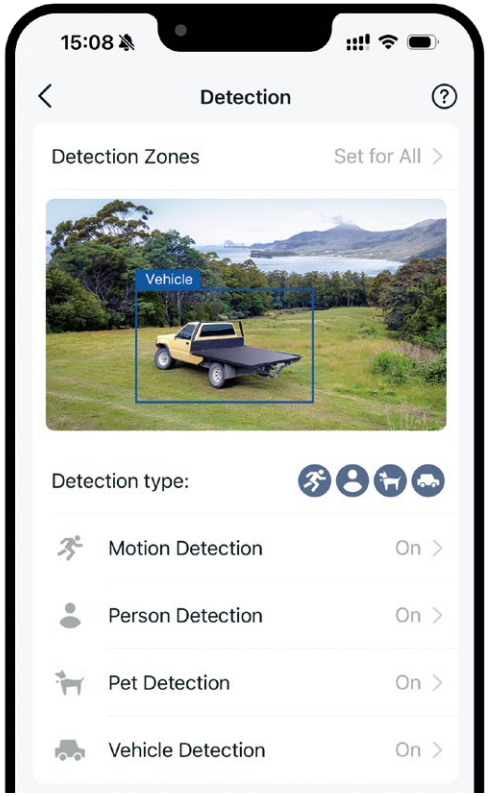
Secure and control your home anywhere, anytime with the Tapo app. View live footage, speak to visitors, share clips, and easily tailor advanced settings.

Free Person/Pet/Vehicle Detection

Identifies people, pets, and vehicles while only sending you alerts when truly needed.

Privacy Lock

Secure your microSD card with a password through the Tapo app for enhanced privacy protection.



Features

High-Efficiency Solar Charging

Just 45 minutes of direct sunlight daily* powers TC90G for full-day use. The built-in battery lasts up to 120 days.**

Local and Cloud Storage

Save recorded video on a microSD card (up to 512 GB)† without monthly fees or by using Tapo Care‡ cloud storage services.

Patrol Mode

Assign points for the camera to patrol for dynamic monitoring.

Customizable Sound and Light Alarm

Record custom audio for alarms and adjust the brightness of the spotlights to suit your needs.

360° AI Tracking

The camera accurately identifies and tracks people, pets and vehicles, ensuring it focuses on what matters.

Flexible Antenna Placement

Adjust the angle of the detachable antenna for a better internet connection.

ᴬActual charging power may vary based on installation location, weather conditions, temperature, and other environmental factors.
ᴳThe suitable temperature for the Solar Panel is -20℃~45℃. The working temperature range for battery charging should be maintained at 0℃~45℃.
†microSD card purchased separately. Actual storage capacity depends on the size of the microSD card used.
‡Subscribe for cloud storage at https://www.tapo.com/tapocare/
*45 min of sunlight is based on standard environmental conditions (1000W/m2, 25℃, AM1.5) and specified working scenes (up to 100 events triggered per day). Actual required time of sunlight may vary.
**120-day battery life is based on Tapo laboratory tests with 250 seconds of use per day. The time of use includes recording and watching live views. Actual battery life may vary due to device settings, usage, Internet service provider of the SIM card, and environmental factors.
***Compatible with Alexa and Google Assistant supported displays. User experience is dependent on the connected device's specifications.
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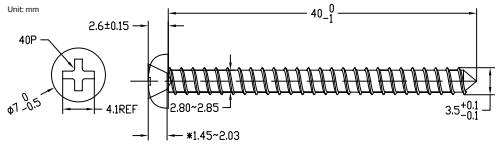
Specifications

Camera	Image Sensor	1/2.8“ Progressive Scan CMOS Sensor
	Lens	Focal Length: 4 mm ± 5% Aperture: F1.6 ± 5% Field of View: 100.6° (Diagonal), 84.4° (Horizontal), 44.3° (Vertical)
	Night Vision	850 nm IR LED Color Night Vision
	Day/Night Switch	IR-Cut Filter with Auto-Switching
	Lighting	2× Built-in Spotlights Motion Activated, App-Controlled
	Interface & Button	1× POWER Button 1× RESET Button 1× microSD Card Slot (Up to 512 GB) 1× Nano SIM Card Slot
Solar Panel	Connection Capacity	A solar panel can only connect to one camera.
	Output Port	Type-C
Video & Audio	Maximum Resolution	2K 3MP (2304 × 1296 px)
	Frame Rate	15/20 fps
	Digital Zoom	N/A
	Live View	Yes

Video & Audio	Image Enhancement	3DNR WDR
	Audio Input & Output	Built-in Microphone and Speaker
	Audio Communication	Two-Way Audio with Noise Cancellation
	Siren Volume	98.6 dBA (Level measured at 10 cm distance) 67.3 dBA (Level measured at 300 cm distance)
Storage	Local Storage	microSD Card Slot on Camera (Up to 512 GB, Purchase Separately)
	Cloud Storage	Tapo Care Cloud Storage Services (Subscription required)
Detection & Notification	AI Detection	Motion Detection Person Detection Vehicle Detection Pet Detection
	Activity Zones	Yes
	Output Notification	System Notification System Notification with Snapshot (Tapo Care Services)
Network	Network Connectivity	Connect via 4G
	Frequency Bands	LTE-FDD: B1/3/5/7/8/20/28 LTE-TDD: B38/40/41
	Transmission Rate	10 Mbps DL, 5 Mbps UL
	Protocol	TCP/IP, ICMP, DNS, HTTPS, TCP, UDP
Security	Security	SSL/TLS

Power	Power Source	Solar Panel, Built-in Rechargeable Lithium-ion Battery
	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 (Not Included)
	Camera Adapter Output	5.0 V, 1.0 A (Not Included)
	Power Cord Length	USB Adapter Cable Length: 0.5 m (19.68 in.) Solar Panel Charging Cable Length: 0.25 m (9.84 in.) Solar Panel Extension Charging Cable Length: 3.8 m (149.61 in.)
	Camera Typical Power Consumption	1.066 W
	Camera Maximum Power Consumption	2.642 W
General	Smart Integration	Google Assistant, Amazon Alexa
	Weather Resistance	IP65
	Mounting Options	Wall-Mounted Eave-Mounted Pole-Mounted
	Operating Temperature	-20 ºC ~ 45 ºC (-4 °F ~ 113 °F)
	Storage Temperature	-40 ºC ~ 60 ºC (-40 °F ~ 140 °F)

General	Operating Humidity	10% ~ 90% RH, Non-condensing
	Storage Humidity	0 ~ 90% RH, Non-condensing
	Mounting Screw Size	
	Dimensions	Camera (Antenna Excluded) Dimensions: 130.88 x 116.09 x 84.06 mm (5.15 x 4.57 x 3.31 in.) Solar Panel Dimensions: 173.4 x 120.4 x 15.7 mm (6.83 x 4.74 x 0.618 in.)
	Weight	Camera: 15.91 oz / 451 g Solar Panel: 5.08 oz / 144 g
	Package Contents	TC90G camera ×1 Tapo A201 Solar Panel ×1 Tapo A201 Solar Panel Bracket ×1 Base Cover ×1 Detachable Antenna ×1 USB Adapter Cable ×1 Extension Wire ×1 Mounting Template Stickers ×2 Mounting Screws and Anchors Quick Start Guide