Solar-Powered Dual-Lens Pan/Tilt Security Camera Kit

Tapo C645D KIT

Dual-Lens 2K+2K Resolution

works with alexa

works with Google Home

Dual-Lens. 360° Protection. Solar-Powered

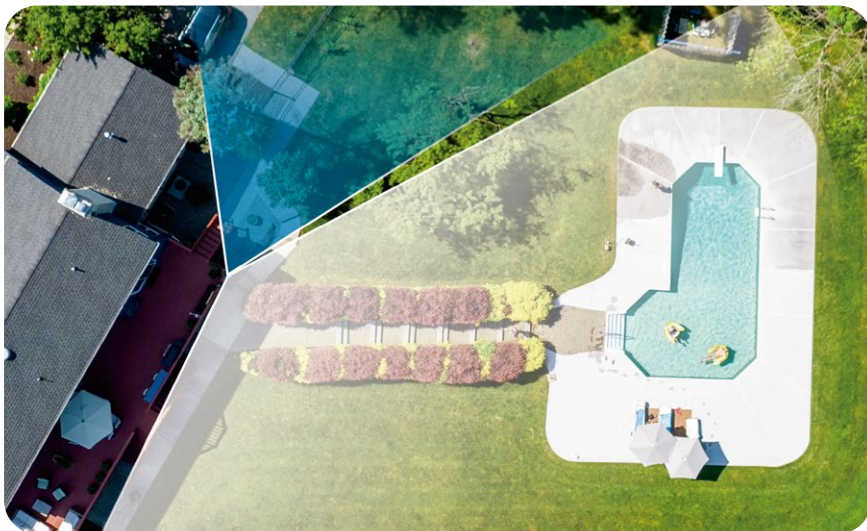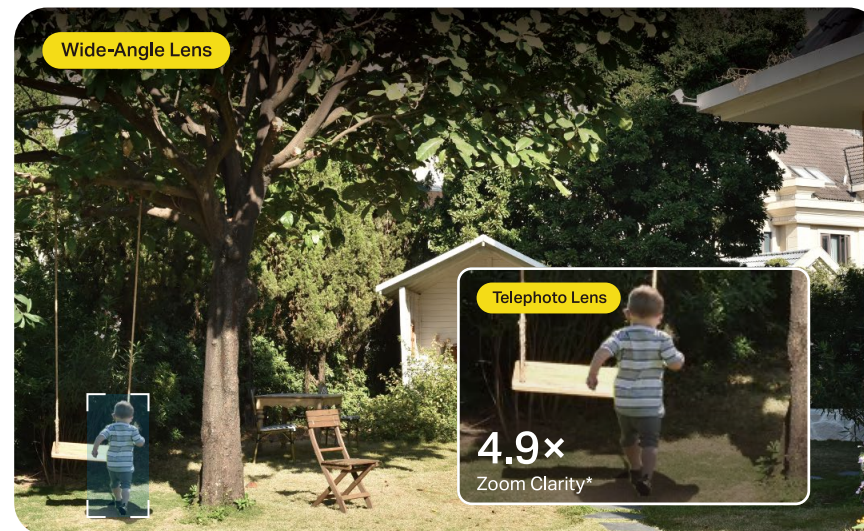| 2K Ultra-Wide View + 2K Pan/Tilt Zoom-In Details | Smart Dual AI Detection & Auto Tracking | See in Color, Day and Night | Free Local microSD Storage (Up to 512 GB)† |

Highlights

360° Surveillance with Dual 2K Lenses

Tapo C645D combines a fixed lens and a pan/tilt lens — both with crisp 2K resolution — to monitor different areas at the same time. This dual-lens design offers expanded coverage and minimizes blind spots, making it ideal for large outdoor spaces such as yards, driveways, and farms.

Wide + Telephoto: See the Big Picture and the Fine Details

The wide-angle lens delivers expansive coverage for general monitoring, while the telephoto lens zooms in to capture clear, faraway details. Together, they offer full-scene awareness and focused close-ups, so you never miss a thing near or far.

// 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.

Tap to focus, Zoom in Instantly

Tap anywhere in the wide-angle view. The zoom lens automatically focuses and zooms in on the details.

Free Person/Pet/Vehicle Detection

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

Customizable Activity Zones

Set up customized detection zones to be alerted only in areas where you wish to monitor and block out zones you want hidden.

360°

120°

Features

Synchronized Smart Tracking

The wide-angle lens detects movement, and the rotating lens instantly locks on and follows, giving you real-time, reactive coverage.

High-Efficiency Solar Charging

Daily 55 minutes§ of direct sunlight charges Tapo C645D for all-day use. No sun? No problem. The built-in battery provides power for up to 4 months.^

Local and Cloud Storage

Store footage on a microSD card (up to 512 GB)† without a subscription, or use cloud storage‡ for added convenience.

Wire-Free Design

Enjoy unparalleled security with the freedom to monitor your space from any location without the limitations of outlets.

Color Night Vision

Enhances your nighttime security by revealing vivid colors with the built-in spotlights.

Customizable Sound and Light Alarm

Record your voice and set the spotlight brightness to create an alarm that fits your needs.

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†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/
§55 min of sunlight is based on standard environmental conditions (1000W/m², 25ºC, AM1.5) and specified working scenes (up to 100 events triggered per day). Actual required time of sunlight may vary.
^4-month battery life is based on Tapo laboratory tests with 300s of use per day. 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.
Specifications are subject to change without notice. All brands and product names are trademarks or registered trademarks of their respective holders.
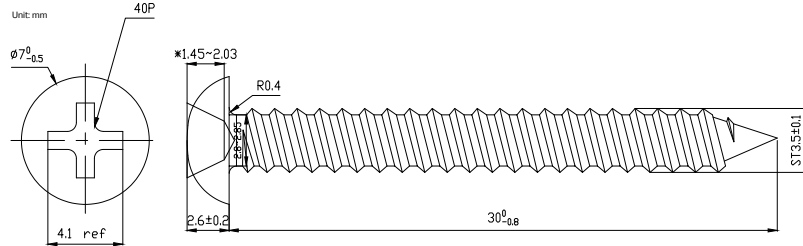©2025 TP-Link

▎ Specifications

Camera	Image Sensor	1/2.8" Progressive Scan CMOS Sensor
	Lens	**Wide-Angle Lens:** Focal Length: 2.53 mm ± 5% Aperture: F1.6 ± 5% Field of View: 165.1° (Diagonal), 137.6° (Horizontal), 73° (Vertical) **Telephoto Lens:** Focal Length: 6.0 mm ± 5% Aperture: F1.6 ± 5% Field of View: 65.5° (Diagonal), 56.5° (Horizontal), 30.6° (Vertical)
	Night Vision	850 nm IR LED (33 ft / 10 m) Color Night Vision
	Day/Night Switch	IR-Cut Filter with Auto-Switching
	Lighting	6× Built-in Spotlights Motion Activated, App-Controlled
	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 3MP (2304 × 1296 px) + 2K 3MP (2304 × 1296 px)
	Frame Rate	15 fps
	Digital Zoom	10.8×
	Video Compression	H.264
	Live View	Yes
	Image Enhancement	3DNR WDR
	Audio Input & Output	Built-in Microphone and Speaker
	Audio Communication	Two-Way Audio with Noise Cancellation
	Siren Volume	91.5 dBA (Level measured at 10 cm distance) 64.4 dBA (Level measured at 300 cm distance)
Storage	Local Storage	microSD Card Slot on Camera (Up to 512 GB, Purchased 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 and Clips (Tapo Care Services)

Network	Network Connectivity	Connect via Wi-Fi
	Wireless Connectivity	IEEE 802.11 1 a/b/g/n, 2.4 GHz/5 GHz Wi-Fi
	Transmission Rate	11a: 54 Mbps 11b: 11 Mbps 11g: 54 Mbps 11n: 72.2 Mbps
	Protocol	TCP/IP, DHCP, ICMP, DNS, NTP, HTTPS, TCP, UDP
Security	Security	WPA3/WPA/WPA2-PSK
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
	Input Voltage	5V (DC)
	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	1.36 W
	Camera Maximum Power Consumption	6 W

General	Smart Integration	Google Assistant, Amazon Alexa
	Weather Resistance	IP65
	Mounting Options	Wall-Mounted Ceiling-Mounted Pole-Mounted
	Operating Temperature	-20 ºC ~ 45 ºC (-4 ºF ~ 113 ºF)
	Storage Temperature	-40 ºC ~ 60 ºC (-40 ºF ~ 140 ºF)
	Charging Temperature	0 ºC ~ 45 ºC (32 ºF ~ 113 ºF)
	Operating Humidity	10%~ 90% RH, Non-condensing
	Storage Humidity	0~ 90% RH, Non-condensing
	Mounting Screw Size	
	Dimensions	Camera Dimensions: 132 x 82 x 160.31 mm (5.19 x 3.22 x 6.31 in) Solar Panel Dimensions: 173.42×120.42×15.7 mm (6.82 x 4.74 x 0.61 in)
	Weight	Camera: 23.1 oz / 655 g Solar Panel: 5.08 oz / 144 g

General	Package Contents	Tapo C645D Camera × 1 Tapo A201 Solar Panel × 1 Solar Panel Bracket × 1 Base Cover × 1 USB Adapter Cable × 1 Extension Wire × 1 Cable Zip Tie × 1 Mounting Screws Mounting Anchors Mounting Template Stickers Quick Start Guide