tp-link | tapo

Datasheet

Battery-Powered Indoor/Outdoor Security Camera

FREE
No Subscription Needed

2K
Live View

TCB82

- Up to 180-Day Battery Life†
- Color Night Vision
- Smart AI to Detect People
- Weatherproof Certified



Instant Smartphone Notifications* | Free Local microSD Storage (Up to 512 GB)† | Built-in Siren & Light Alarms | Easy Installation with Adjustable Angle

works with amazon alexa

works with Google Home

Highlight

Add Security to Your Home. Wherever. Whenever.

Enjoy the freedom of the TCB82's battery-powered and cordless design. Place it anywhere—no outlets needed—for complete indoor and outdoor monitoring.



Highlight

Enduring Power for Continuous Security

With its built-in rechargeable battery, the camera reduces the frequency of recharges, providing up to 180 days of uninterrupted performance on a single charge.†



365 Days Endless Solar Power, Maintenance-Free*

Enjoy a maintenance-free security experience with the Tapo Solar Panel (sold separately) to extend the working time of your camera without manual recharging.



Highlight

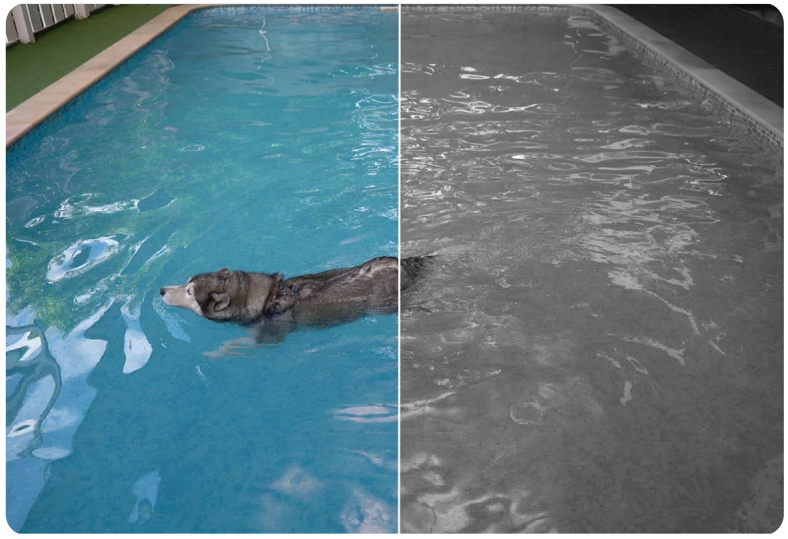
Crisp Clear Details with 2K Clarity

Captures more details and delivers high-definition pictures with a 2304×1296 px resolution.



Full-Color View, Day and Night

Enhances your security by revealing brighter, color images and vivid details with built-in spotlights even at night.



Features

Color Night Vision

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

Rechargeable Battery

The built-in rechargeable battery leads to a long-lasting life (up to 180 days)†, extending your usage.

2K Crystal-Clear Live View

Capture every detail in crystal-clear 2K resolution, with advanced algorithms ensuring perfect exposure day and night.△

Smart Person Detection

Get alerts when a person is detected, reducing false alerts and unnecessary notifications, which also extends battery life.

Optional Solar Panel

Enjoy a maintenance-free security experience with the Tapo Solar Panel, which provides a continuous power supply.*

Customizable Sound and Audio Alarm

Customize your alarm by recording your own audio and adjusting the brightness of the dual spotlights to suit your preferences.

Local and Cloud Storage

Save recorded video on a microSD card (up to 512 GB)‡, no subscription required. Cloud storage§ is also supported for flexibility.

Two-Way Audio

Enables direct communication through a built-in microphone and speaker.

IP65 Weatherproof

Performs well even in harsh environments with rain and dust, ideal for indoor/outdoor scenarios.

Connect Directly to Wi-Fi

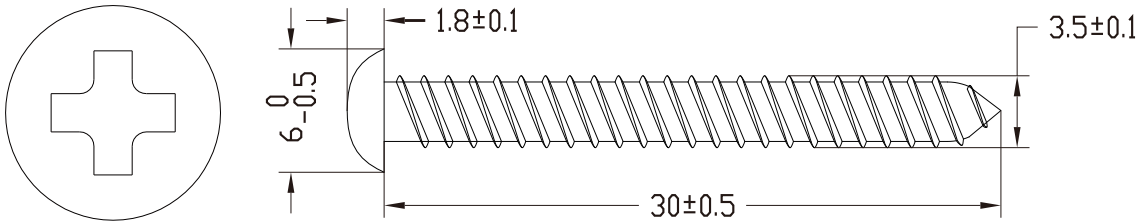
Easily connect the camera to your network wirelessly via Wi-Fi for a more flexible installation.

Specifications

Camera	Image Sensor	1/2.8" Progressive Scan CMOS Starlight Sensor
	Lens	Focal Length: 3.17 mm Aperture: F1.65 Field of View: 125° (Diagonal), 111° (Horizontal), 56° (Vertical)
	Night Vision	850 nm IR LED (30 ft / 9.1 m) Full-Color Night Vision
	Day/Night Switch	IR Mode / Full-Color Mode / Smart Mode
	Lighting	2× Spotlights (4× Built-in LEDs)
	Interface & Button	1× POWER Button 1× RESET Button 1× microSD Card Slot (Up to 512 GB)
Video & Audio	Maximum Resolution	2K 3MP (2304 × 1296 px)
	Frame Rate	15fps
	Video Compression	H.264
	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)

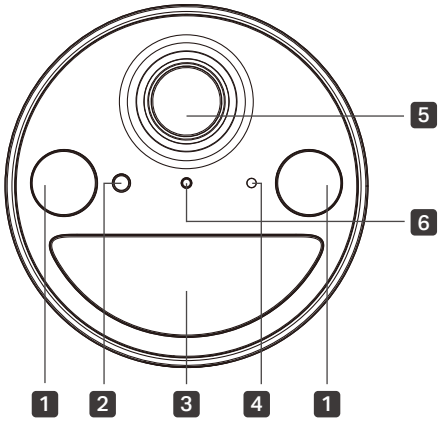
Storage	Local Storage	microSD Card Slot on Camera (Up to 512 GB)
	Cloud Storage	Tapo Care Cloud Storage Services (Subscription required)
Detection & Notification	Sensor	Single Motion Sensor (FOV: 110° horizontal) Single Ambient Light Sensors
	Detection	Motion Detection AI Detection (Person Detection)
	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
Power	Power Source	Built-in Rechargeable Lithium-ion Battery Optional Solar Panel: Tapo A201 (Sold separately), Tapo A200 (Sold separately)
	Input Voltage	Adapter Input: 100-240 V, 50/60 Hz
	Output Voltage	Adapter Output: 5.0 V, 1.0 A

Power	Power Cord Length	USB Adapter Cable Length: 0.5 m (19.68 in.)
	Typical Power Consumption	Camera Typical Power Consumption: 1.04 W
	Maximum Power Consumption	Camera Max Power Consumption: 2.12 W
General	Certifications	CE, FCC, DOE, CEC, RCM, KC, NCC, BSMI, NTRA, IP65
	Smart Integration	Google Assistant, Amazon Alexa
	Weather Resistance	IP65
	Mounting Options	Tabletop Ceiling-Mounted 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)
	Dimensions	Camera Dimensions: D60 mm*89 mm (D2.36 in. * 3.5 in.)
	Weight	230 g / 8.1 oz

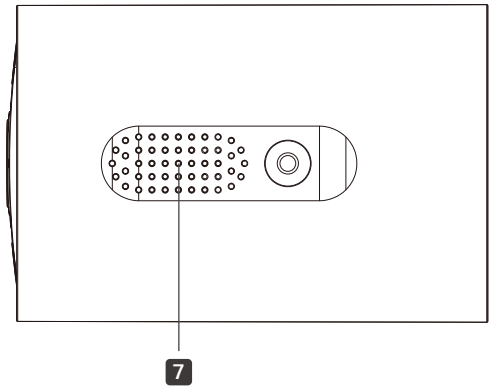
General	Screw Size	
	Package Contents	Camera × 2 Camera Brackets × 2 USB Adapter × 1 USB Adapter Cable × 1 Screws and Anchors × 6 Mounting Templates × 2 Quick Start Guide × 1

Appearance

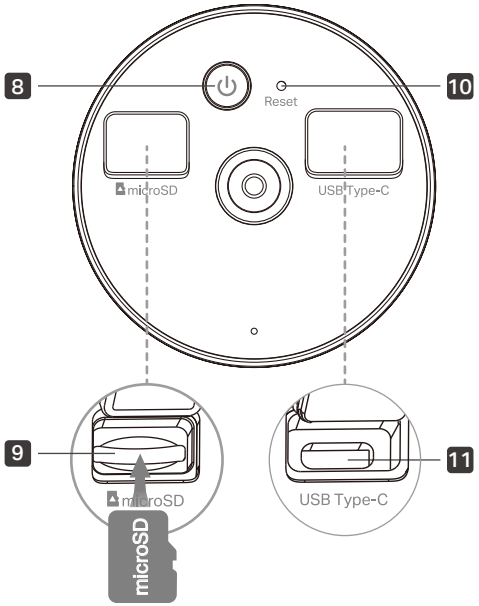
Front



Side



Back



1 Spotlights

2 Light Sensor

3 Motion Sensor

4 Microphone

5 Lens

6 Status LED

7 Speaker

8 Power Button ⏻

Press and hold for about 3 seconds to turn on/off the camera.

9 microSD Card Slot

10 Reset Button

Use a pin to press and hold for at least 5 seconds to reset the camera to factory default settings.

11 USB Type-C Charging Port

†The time of use includes recording and watching live views. 180-day battery life is based on Tapo laboratory tests with 250s of use per day. Actual battery life may vary due to device settings, usage, router specifications, and environmental factors.
‡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/
ᴬCompatible with Alexa and Google Assistant supported displays. User experience is dependent on the connected device's specifications.
*Tapo solar panel purchased separately. Actual experience may vary due to placement angle, weather conditions, and camera usage.
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