

Outdoor Pan/Tilt Security Wi-Fi Camera

TC46



 Facial Recognition, Stored Locally

Wi-Fi 6 Dual-Band
Connection

Free Person/Pet/Vehicle
Detection

Starlight Color
Night Vision

360° AI
Tracking



// Highlights

Facial Recognition with 4K Ultimate Clarity

TC46 delivers 4K 8MP resolution and 18× digital zoom for sharper details, precise detection, and high-quality recording. Its advanced algorithms distinguish between strangers, family, and friends, triggering alarms selectively to enhance accuracy and reduce false alerts.



// Features



360° AI Tracking

The camera provides 360° coverage, accurately identifying and tracking people, pets, and vehicles to stay focused on what truly matters.



Improved Wi-Fi 6 Connectivity

Connect the camera to a Wi-Fi 6 router and enjoy improved speed, greater stability, and reduced congestion in heavy bandwidth usage scenarios.



Smart Playback

Swiftly find and download moments of interest by choosing the event type or sliding the timeline.



Flexible Dual-Band Connection

Enjoy smooth, lag-free 4K streaming with lightning-fast 5 GHz or enhanced stability on 2.4 GHz.



Patrol Mode

Assign points for the camera to patrol for dynamic monitoring.



Starlight Color Night Vision

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.



Local and Cloud Storage

Store footage on a microSD card (up to 512 GB)[†] with no subscription required, or opt for cloud storage[‡] with a 30-day free trial for added convenience.



Customizable Sound and Light Alarm

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



Two-Way Audio

Talk and listen through the device with its integrated microphone and speaker.

[†]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/>

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

For more information, please visit <https://www.tapo.com/>

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// Highlights

Facial Recognition with the Tapo App

The camera features free, advanced AI that recognizes and tags family, friends, and strangers.



Accurate Notifications

Smart AI categorizes faces to trigger selective alarms, improving accuracy and minimizing false alarms.



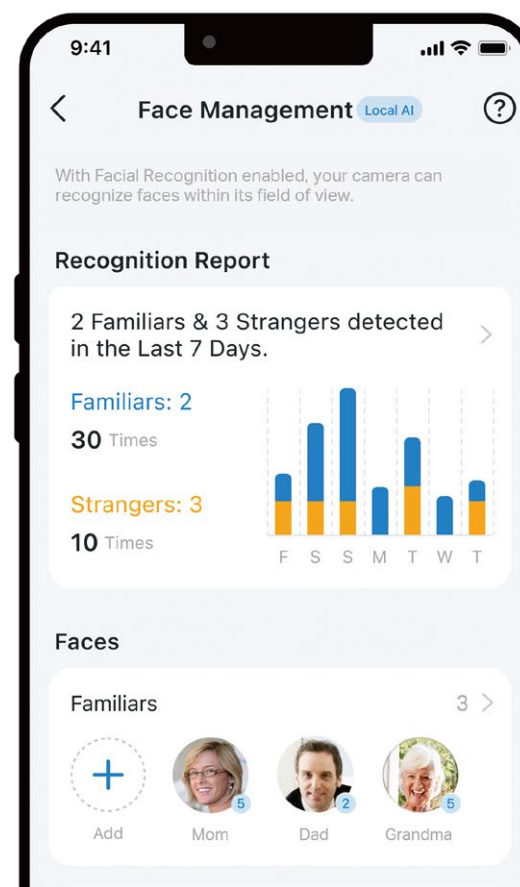
Face Management

Smart AI organizes events based on recognized faces, making finding clips of a specific person easy.



Local Data Storage

The Tapo app securely stores facial data locally, ensuring privacy without cloud uploads.

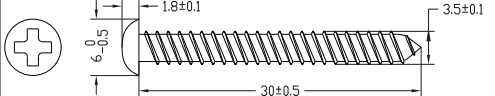
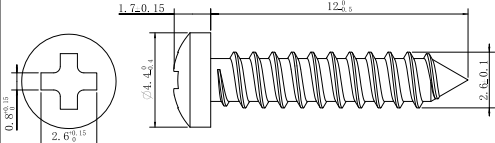


// Specifications

Camera	Image Sensor	1/2.7" Progressive Scan CMOS Starlight Sensor
	Lens	Focal Length: 4 mm $\pm$ 5% Aperture: F1.6 $\pm$ 5% Field of View: 105° (Diagonal), 88° (Horizontal), 45° (Vertical)
	Night Vision	850 nm IR LED (30 m/98 ft), Starlight Color Night Vision
	Day/Night Switch	IR-Cut Filter with Auto-Switching
	Lighting	/
	Interface & Button	1× RJ45 (10M/100M) Ethernet Port 1× RESET Button 1× microSD Card Slot (Up to 512 GB)
	Hub Compatibility	/
Video & Audio	Maximum Resolution	4K 8MP (3840×2160 px)
	Frame Rate	25 fps
	Digital Zoom	/
	Video Compression	H.264
	Live View	Yes
	Image Enhancement	3DNR WDR

Video & Audio	Audio Input & Output	Built-in Microphone and Speaker
	Audio Communication	Two-Way Audio with Noise Cancellation
	Siren Volume	99 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)
Network	AI Detection	Human Face Detection Motion Detection Person Detection Pet Detection Vehicle Detection Line-Crossing Detection Camera Tampering
	Activity Zones	Yes *Only works with Motion/Person/Pet/Vehicle Detection.
	Output Notification	System Notification System Notification with Snapshot (Tapo Care Services)
	Network Connectivity	Connect via Wi-Fi or Ethernet
	Wireless Connectivity	IEEE 802.11a/b/g/n/ac/ax, 2.4 GHz / 5 GHz
	Transmission Rate	11b: 11 Mbps 11a/g: 54 Mbps 11n: 72.7Mbps (2.4 GHz), 300 Mbps (5 GHz) 11ac: 433.3 Mbps 11ax: 600Mbps

Network	Protocol	TCP/IP, DHCP, ICMP, DNS, NTP, HTTPS, TCP, UDP
	Max. Distance Between Hub and Camera/Doorbell	/
	Ethernet Port	Yes
	RTSP	Yes
	ONVIF	Yes
Security	Security	On-Device Machine Learning 128-bit AES Encryption with SSL/TLS WPA/WPA2-PSK/WPA3
Power	Power Source	12 V DC Power Adapter
	Input Voltage	100-240 V, 50/60 Hz
	Output Voltage	12 V, 1 A (DC Power)
	DC Power Connector Size	Inside Ø: 2.1 mm Outside Ø: 5.5 mm
	Power Cord Length	3 m
	Typical Power Consumption	2.5 W
	Maximum Power Consumption	11.5 W

General	Smart Integration	Google Assistant, Amazon Alexa, Samsung SmartThings
	Weather Resistance	IP66
	Mounting Options	Wall-Mounted Eave-Mounted Pole-Mounted
	Operating Temperature	-30 °C ~ 60 °C (-22 °F ~ 140 °F)
	Storage Temperature	-40 °C ~ 60 °C (-40 °F ~ 140 °F)
	Operating Humidity	10% ~ 90% RH, Non-condensing
	Storage Humidity	0 ~ 90% RH, Non-condensing
	Mounting Screw Size	
	Bracket Screw Size	
	Dimensions	5.8 × 2.94 × 6.2 in (147.4 × 74.7 × 157.4 mm)
	Weight	15.98 oz / 453 g

General	Package Contents	TC46 Camera ×1 DC Power Adapter ×1 Mounting Template ×1 Mounting Bracket ×1 Mounting Anchors ×4 Mounting Screws ×4 Bracket Screws ×2 Waterproof Seal ×1 Waterproof Cable Attachments ×1 Quick Start Guide
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