

Outdoor Pan/Tilt 4G LTE Camera

Tapo C501GW

4G LTE



Starlight Color Night Vision

360° Motion
Tracking

Free Person/Pet/
Vehicle Detection

1080P
Full HD

DC/PoE Power
Supply



// Highlights

Advanced AI Detection for All Scenarios

Smart AI identifies people, pets, and vehicles and detects tampering and line crossing. It sends alerts only when necessary, ensuring you receive precise notifications about events as they occur.



// Features



Starlight Color Night Vision

Reveals vivid colors in low light conditions with F1.6 aperture lens, starlight sensor, and built-in spotlights.



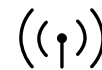
DC/PoE Power Supply

Power your camera with a DC adapter or Ethernet cable featuring PoE technology for safe power and stable internet.



Patrol Mode

Assign points for the camera to patrol for dynamic monitoring.



Flexible Antenna Placement

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



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.



Smart Playback

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

[†]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.

[^]Loops (purchased separately) are needed for pole mounting.

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

All brands and product names are trademarks or registered trademarks of their respective holders. Specifications are subject to change without notice.

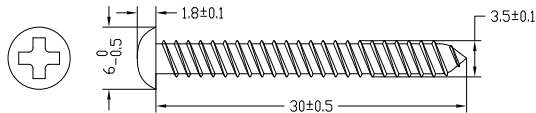
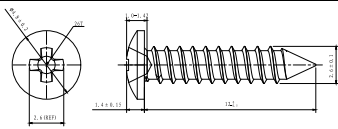
©2025 TP-Link

// Specifications

Camera	Image Sensor	1/2.9" CMOS Sensor
	Lens	Focal Length: 3.17 mm±5% Aperture: F1.65±10% Field of View: 122° (Diagonal), 105° (Horizontal), 59° (Vertical)
	Night Vision	2× 850 nm IR LEDs (98 ft / 29.9 m) Full-Color Night Vision (65.6 ft / 20 m)
	Day/Night Switch	IR-Mode/ Full-Color Mode/ Smart Mode
	Lighting	/
	Interface & Button	1× DC Port 1× Ethernet Port 1× RESET Button 1× microSD Card Slot (Up to 512GB) 1× Nano SIM Card Slot
	Hub Compatibility	/
Video & Audio	Maximum Resolution	1920 x 1080 px
	Frame Rate	15/20/25/30 fps
	Digital Zoom	None
	Video Compression	H.264

Video & Audio	Live View	Yes
	Image Enhancement	3D DNR BLC Linear-WDR
	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)
Detection & Notification	Sensor	/
	AI Detection	Motion Detection Person Detection Camera Tampering Pet Detection Vehicle Detection Line-Crossing Detection Cat Meows Detection Dog Barks Detection Glass-Breaking Detection
	Activity Zones	Yes *Only works with Motion Detection.
	Output Notification	System Notification System Notification with Snapshot (Tapo Care Services)

Network	Network Connectivity	Connect via 4G or Ethernet
	4G Connectivity	LTE-FDD:B1/3/5/7/8/20/28 LTE-TDD:B38/40/41
	Transmission Rate	/
	Protocol	TCP/IP, DHCP, ICMP, DNS, NTP, HTTPS, TCP, UDP
Network	Max. Distance Between Hub and Camera/Doorbell	/
	Ethernet Port	1× 100 Mbps RJ45 Port
	RTSP	Yes
	ONVIF	Yes (Only Available with Wired Network Connection)
Security	Security	/
Power	Power Source	12V DC Power Adapter IEEE 802.3af/at PoE
	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	2.8 W

General	Power	Maximum Power Consumption	9.5 W
	Certifications	CE, NTRA, RCM, VCCI, NCC, BSMI, RoHS	
	Smart Integration	Google Assistant, Amazon Alexa	
	Weather Resistance	IP66	
	Mounting Options	Ceiling-Mounted Wall-Mounted Pole-Mounted (Pole-Mounting loops required but not included)	
	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	
	Charging Temperature	/	
	Mounting Screw Size		
	Bracket Screw Size		
	Dimensions	5.51 × 4.17 × 9.21 in (140 × 106 × 234 mm)	
	Weight	15.2 oz / 430 g	

General	Package Contents	Tapo C501GW Camera ×1 DC Power Adapter ×1 Mounting Templates ×2 Mounting Bracket ×1 Mounting Anchors ×4 Mounting Screws ×4 Bracket Screws ×2 Detachable Antenna ×1 Waterproof Seal ×1 Waterproof Cable Attachments ×1 Quick Start Guide
----------------	------------------	---