

Outdoor Pan/Tilt Security Wi-Fi Camera

2K
Resolution

Tapo C510W

Tapo C51A



Color Night Vision

360° Visual
Coverage

Smart Motion
Tracking

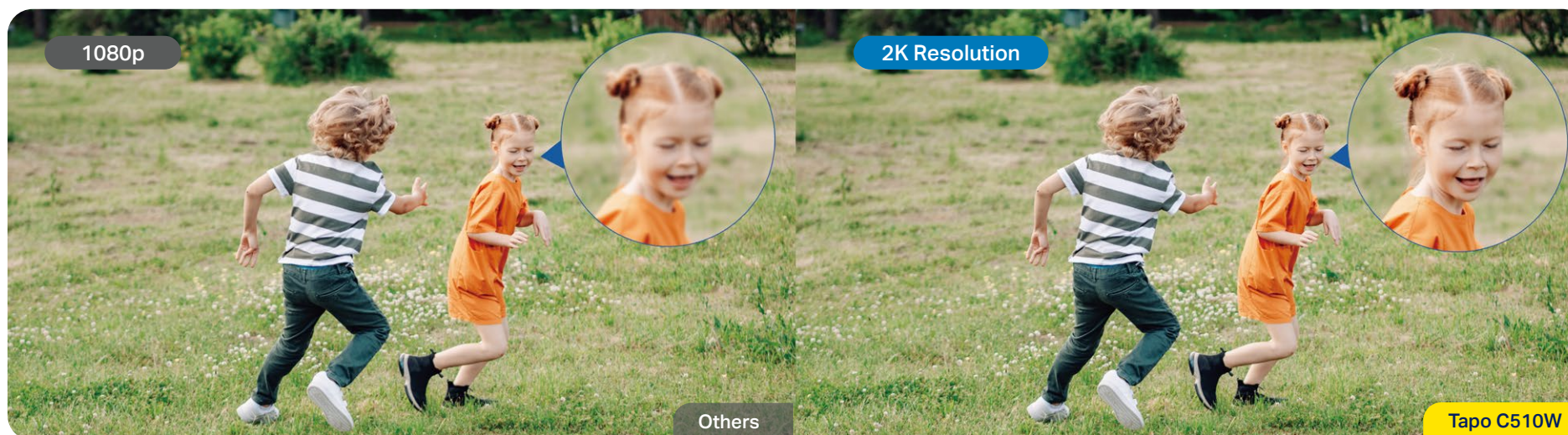
Free Person
Detection



// Highlights

2K Live View

With the resolution of 2304×1296 px, the Tapo camera enhances your security by capturing vivid details.



// Features



360° Motion Tracking

The Tapo camera ensures comprehensive coverage with 360° horizontal and 130° vertical views, capable of tracking a person within its field of view.



Patrol Mode

Keep the camera cruise between two customized points for dynamic monitoring.



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.



Multiple Installation Options

Use the mounting screws, template and loops* to install on any wall, ceiling or pole for the perfect view.



Person Detection

Notifies you when a person is detected.



Activity Zones

Notifies you when activity is detected in specific zones.



Color Night Vision

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



Customizable Sound Alarm

Record your own audio as an alarm to extend your usage.



IP65 Weatherproof

Offers excellent waterproof and dustproof performance for outdoor scenarios.

[†]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.

*Mounting loops purchased separately.

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

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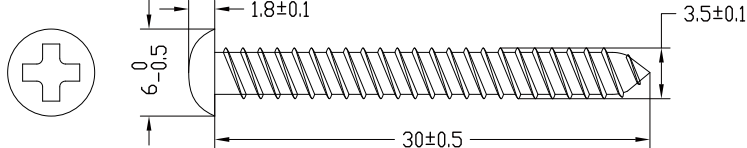
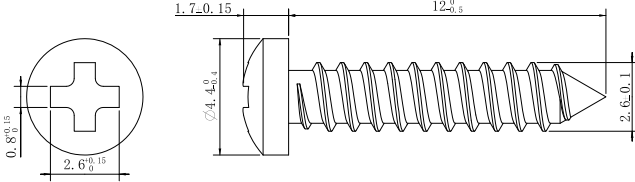
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// Specifications

Camera	Image Sensor	1/2.8" CMOS Sensor
	Lens	Focal Length: 4.0 mm Aperture: F2.2 Field of View: 100.3° (Diagonal), 84.3° (Horizontal), 45.2° (Vertical)
	Night Vision	Color Night Vision (65 ft / 20 m) Infrared Night Vision (98 ft / 29.9 m)
	Night Mode	Infrared Mode / Full-Color Mode / Smart Mode
	Day/Night Switch	Yes
	Lighting	2× 850nm IR LED 2× Spotlights
	Interface & Button	1× RESET Button 1× microSD Card Slot (Up to 512 GB)
Video & Audio	Maximum Resolution	2K (2304 × 1296 px)
	Frame Rate	Up to 30 fps
	Digital Zoom	10×
	Live View	Yes
	Image Enhancement	WDR
	Audio Input & Output	Built-in Microphone and Speaker

Video & Audio	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	/
	AI Detection	Motion Detection Person Detection Camera Tampering
	Activity Zones	Yes *Only works with Motion/Person Detection.
	Alarm Type	Customizable Sound Alarm Sound Alarm Light Alarm
	Output Notification	App Notifications of Camera Event App Notification of AI Detection Event 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, DHCP, ICMP, DNS, NTP, HTTPS, TCP, UDP

Network	Ethernet Port	N/A
	RTSP	Yes
	ONVIF	Yes (Profile S)
Security	Security	128-bit AES Encryption with SSL/TLS WPA/WPA2-PSK/WPA3-PSK
Power	Power Source	9 V DC Power Adapter
	Adapter Input Voltage	100-240 V, 50/60 Hz
	Adapter Output Voltage	9 V, 0.85 A (DC Power)
	DC Power Connector Size	Inside Ø: 2.1 mm Outside Ø: 5.5 mm
	Power Cord Length	3 m (9.8 ft)
	Typical Power Consumption	2.3 W
	Maximum Power Consumption	7.2 W
General	Certifications	CE, IP65, ONVIF, NTRA, JRF, VCCI, KC, RCM
	Smart Integration	Google Assistant, Amazon Alexa, Samsung SmartThings
	Weather Resistance	IP65
	Mounting Options	Ceiling-Mounted Wall-Mounted Pole-Mounted (Pole-Mounting loops required but not included)

General	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	4.88 × 4.77 × 3.54 in (123.9 × 121.2 × 90 mm)
	Weight	11.15 oz / 316 g
	Package Contents	Tapo C510W Camera/Tapo C51A Camera × 1 Power Adapter × 1 Mounting Anchors × 4 Mounting Screws × 4 Bracket Screws × 2 Mounting Template Sticker × 1 Mounting Bracket × 1 Waterproof Seal × 1 Quick Start Guide