

Outdoor Pan/Tilt Security Wi-Fi Camera

2K
Resolution

Tapo C510W

Tapo C51A



Color Night Vision

360° Visual
Coverage

Smart Motion
Tracking

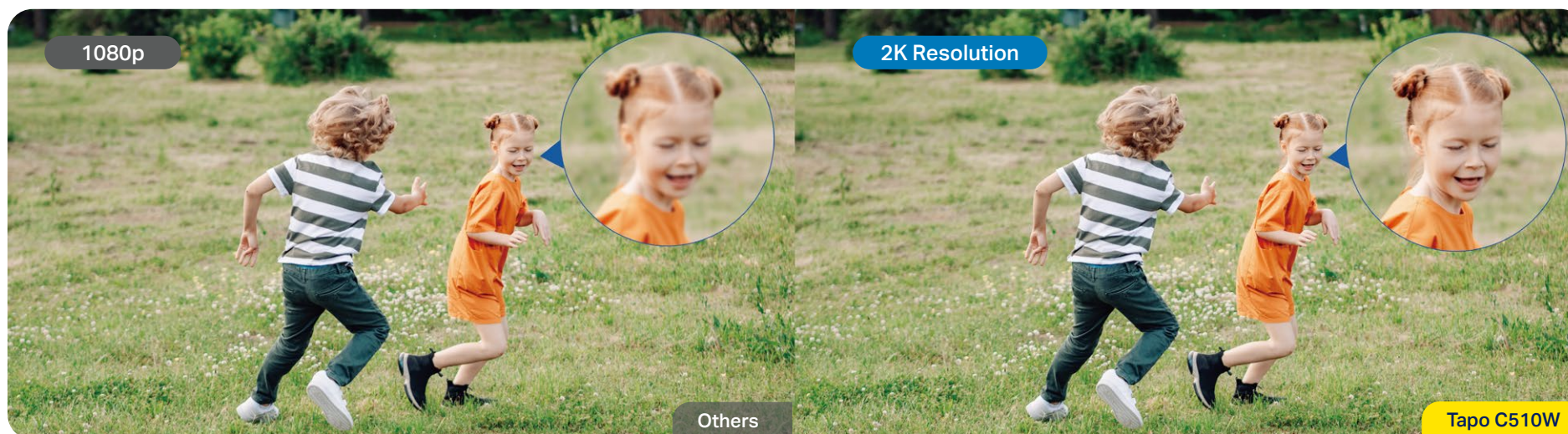
Free Person
Detection



// 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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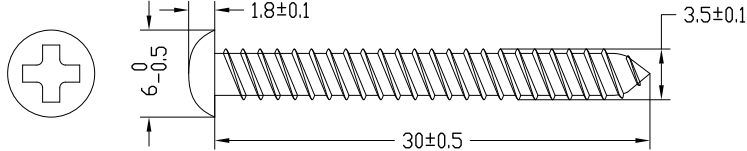
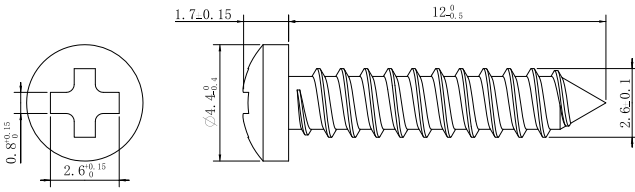
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// Specifications

Camera	Image Sensor	1/3" Progressive Scan CMOS Sensor
	Lens	Focal Length: 3.99 mm±5% Aperture: F2.2±10% Field of View: 85.5° (Diagonal), 73.5° (Horizontal), 41° (Vertical)
	Night Vision	850 nm IR LED (98 ft / 29.9 m) Color Night Vision
	Day/Night Switch	IR-Cut Filter with Auto-Switching
	Lighting	/
	Interface & Button	1× RESET Button 1× microSD Card Slot (Up to 512 GB)
	Hub Compatibility	/
Video & Audio	Maximum Resolution	2304×1296 px
	Frame Rate	30 fps
	Digital Zoom	None
	Video Compression	H.264
	Live View	Yes

Video & Audio	Image Enhancement	3DNR WDR
	Audio Input & Output	Built-in Microphone and Speaker
	Audio Communication	Two-Way Audio with Noise Cancellation
	Siren Volume	90 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 Detection.
	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, DHCP, ICMP, DNS, NTP, HTTPS, TCP, UDP

Network	Max. Distance Between Hub and Camera/Doorbell	/
	Ethernet Port	/
	RTSP	Yes
	ONVIF	Yes
Security	Security	On-Device Machine Learning 128-bit AES Encryption with SSL/TLS WPA/WPA2-PSK/WPA3
Power	Power Source	9 V DC Power Adapter
	Input Voltage	100-240 V, 50/60 Hz
	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* *Power cord length may vary from region.
	Typical Power Consumption	2.3 W
	Maximum Power Consumption	7.2 W
General	Certifications	CE, FCC, RoHS, RCM, JRF, VCCI, KC, IC, NCC, BSMI, WWA, NTRA
	Smart Integration	Google Assistant, Amazon Alexa
	Weather Resistance	IP65

General	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	4.9 × 4.8 × 3.5 in (123.8 × 123 × 90 mm)
	Weight	12.8 oz / 364 g

General	Package Contents	Tapo C510W Camera/Tapo C51A Camera Power Adapter Mounting Anchors Mounting Screws Bracket Screws Mounting Template Mounting Bracket Waterproof Seal Quick Start Guide
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