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Datasheet

Outdoor Security Wi-Fi Camera

2K QHD

Tapo C320WS



Starlight Color Night Vision

Person/Vehicle Detection | Local microSD Storage (Up to 512 GB)† | IP66 Weatherproof

works with alexa

works with Google Home

Highlights

Starlight Color Night Vision Protects You Day and Night.

Equipped with an F1.6 large-aperture lens and starlight sensor, Tapo C320WS enhances your security by revealing highly-detailed and bright-color images even under low-light conditions.



Features



2K QHD Live View[Δ]

Now with 1.7 × more pixels than 1080p, providing clearer videos and more crisp photos.



IP66 Weatherproof

Helps Tapo C320WS perform well even in harsh environments with rain and dust.



Dual Powerful Antennas

Provides wider Wi-Fi coverage and more stable wireless connection with dual external antennas.



Person/Vehicle Detection

Smart AI identifies people and vehicles, notifying users as needed.



Activity Zones

Set up activity zones to only receive alerts that matter.



Sound and Light Alarm

Triggers sound and light effects to frighten away unwanted visitors.



Local[†] & Cloud[‡] Storage

Save recorded videos to a microSD card (up to 512GB)[†] or by using Tapo Care[‡] cloud storage services.



Wired/Wireless Networking

Connect the camera to your network through Ethernet or Wi-Fi for more flexible installation.



Two-Way Audio

Enables communication through a built-in microphone and speaker.

[†]microSD card needs to be purchased separately.
[Δ]Compatible with Alexa and Google Assistant supported displays. User experience is dependent on the connected device's specifications.
[‡]Subscribe for cloud storage at https://www.tapo.com/tapocare/
For more information, please visit https://www.tapo.com/

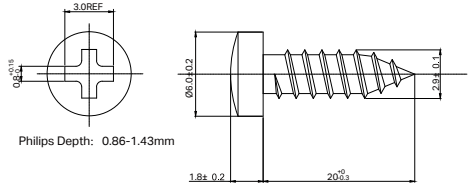
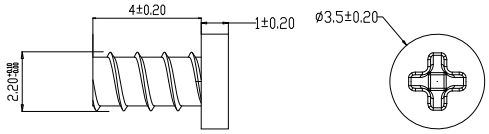
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Specifications

Camera	Image Sensor	1/3" Progressive Scan CMOS Starlight Sensor
	Lens	Focal Length: 3.18mm Aperture: F1.61 Field of View: 113° (Diagonal), 97° (Horizontal), 54° (Vertical)
	Night Vision	850 nm IR LED (98 ft / 29.9 m) Full-Color Night Vision
	Day/Night Switch	IR-Cut Filter with Auto-Switching
	Lighting	2× Built-in Spotlights
	Interface & Button	1× Ethernet Port 1× RESET Button 1× microSD Card Slot (Up to 512 GB)
	Hub Compatibility	/
Video & Audio	Maximum Resolution	2560 × 1440 px
	Frame Rate	15 fps
	Digital Zoom	12x
	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	91 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 Vehicle Detection Line-Crossing Detection Area Intrusion 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 or Ethernet
	Wireless Connectivity	IEEE 802.11b/g/n, 2.4 GHz Wi-Fi

Network	Transmission Rate	11b: 11 Mbps 11g: 54 Mbps 11n: 144.4 Mbps
	Protocol	TCP/IP, DHCP, ICMP, DNS, NTP, HTTPS, TCP, UDP
	Max. Distance Between Hub and Camera/Doorbell	/
	Ethernet Port	1× 10/100 Mbps RJ45 Port on Camera
	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, 0.6 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	4.5 W

General	Certifications	CE, FCC, RoHS, RCM
	Smart Integration	Google Assistant, Amazon Alexa
	Weather Resistance	IP66
	System Requirements	Tapo App: iOS 9.0 or higher, Andriod 4.4 or higher
	Mounting Options	Wall-Mounted
	Operating Temperature	-20 °C ~ 45 °C (-4°F ~ 113 °F)
	Storage Temperature	-20 °C ~ 60 °C (-4 °F ~ 140 °F)
	Operating Humidity	10% ~ 90% RH, Non-condensing
	Storage Humidity	0 ~ 90% RH, Non-condensing
	Charging Temperature	\
	Mounting Screw Size	
	SD Card Slot Cover Screw Size	
	Dimensions	5.6 × 4.07 × 2.53 in (142.3 × 103.4 × 64.3mm)

General	Weight	8.11 oz / 220 g
	Package Contents	Tapo C320WS Camera Power Adapter Mounting Anchors Mounting Screws Mounting Template Waterproof Seal Waterproof Cable Attachments Quick Start Guide