

## Tapo C520WS V1 - network surveillance camera(TAPO C520WS)

**Tapo C520WS V1 - Network surveillance camera - pan / tilt - outdoor - weatherproof - colour (Day&Night) - 4 MP - 2560 x 1440 - 2K - audio - wireless - Wi-Fi - 2.4GHz radio - H.264 - DC 9 V**



Discover the power of enhanced surveillance with the TP-Link Tapo C520WS V1, a versatile outdoor network surveillance camera designed to offer superior image clarity, advanced security features, and seamless smart home integration. With its 2560 x 1440 digital video resolution and starlight color night vision, this camera delivers high-quality footage day and night, ensuring no detail goes unnoticed.

The Tapo C520WS V1 stands out with its weatherproof design, certified by IP66, making it robust enough for outdoor use in any weather condition. Its wide range of features, including person, pet, and vehicle detection, along with two-way audio capability, provides a comprehensive surveillance solution that meets the needs of modern homeowners. Whether you're looking to monitor your property, keep an eye on pets, or ensure the safety of your loved ones, this camera has you covered.

Integration with smart home devices through the Tapo app, Alexa, and Google Assistant adds a layer of convenience, allowing for easy monitoring and control. The camera's built-in dual antenna ensures a stable Wi-Fi connection, while AES-128, WPA, and WPA2-PSK compliance ensures your surveillance is secure. With its easy installation and user-friendly operation, the Tapo C520WS V1 is the perfect choice for those seeking reliable, high-quality outdoor surveillance.

## Key Selling Points

- 2K QHD live view
- Starlight color night vision
- 360° visual coverage
- Free person, pet and vehicle detection
- customizable sound and light alarm
- IP66 weatherproof
- Wired or wireless networking

## Product Features

### Brighter than full-color

TapoC520WS renders brighter images than other full-color night vision cameras with spotlights on due to its starlight sensor.

### Full-color mode

The starlight sensor and spotlights enables Tapo C520WS to capture brighter-color images for enhanced security.

### Infrared mode

Provides a visual distance of up to 98 ft at night.

### Smart mode

Automatically switches to full-color mode to provide more details when an event is detected.

### 2K QHD crystal clear view

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

### 360° visual coverage

Provides 360° horizontal and 130° vertical view range to capture everything around.

### Multiple AI detection

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

### Customize your detection

Adjust the sensitivity of motion detection and set up activity zones or boundaries for your convenience. You can also turn on the patrol mode to keep the camera cruising between two customized points.

### Reliable networking, flexible connection

Dual powerful external antennas provides larger wireless coverage and more stable connection. You can also connect you're your camera to the network through the RJ45 Ethernet port.

### Customizable sound and light alarm

Record your own audio as an alarm to extend your usages. The ultra-bright and adjustable light is also supported to frighten unwanted visitors away.

### IP66 weatherproof

Offers excellent waterproof and dustproof performance for outdoor scenarios.

### Smart motion tracking

Tracks motion with high-speed rotation to keep the object within the camera's view.

**Two-way audio**

Communicate directly with the outdoors for your convenience.

**Multiple installation options**

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

**Physical privacy mode**

Maintains your privacy with the lens physically blocked by the housing.

**Voice activated**

Enjoy your smart life and keep an eye on your vital areas with Alexa and Google Assistant supported.

**Main Specifications**

Product Description	Tapo C520WS V1 - network surveillance camera
Device Type	Network surveillance camera - pan / tilt - outdoor - weatherproof
Audio	Yes: built-in speaker, two-way audio capability, built-in microphone
Camera Mount Type	Wall mount, ceiling mount, pole mount
Dimensions (WxDxH)	12.38 cm x 12.3 cm x 9 cm
Connectivity Technology	Wireless, wired
Camera	Colour - Day&Night
Max Resolution	2560 x 1440
Frame Rate (max)	30 frames per second
Motion Detection	Yes
Video Modes	2K
Optical Sensor Type	CMOS - 1/3" - 4 MP
Focal Length	3.18 mm
Lens Iris	F/1.61
Panning Range (degree)	360
Tilting Range (degree)	90
Interfaces	IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, 2.4GHz radio
Intelligent Assistant	Alexa, Google Assistant - indirect
Cables Included	1 - power cable - 3 m
Voltage	AC 100-240 V, DC 9 V
Features	Starlight Color Night Vision, Person Detection, Pet Detection, Vehicle Detection, built-in dual aerial, sound and light alarm, cross line detection, Snapshot notification, clips notification, reset button, LED indicator
Manufacturer Warranty	2-year warranty
Environmental Parameters (operating)	-30 °C - 60 °C; 10 - 90% RH (non-condensing) relative humidity

**Extended Specification**

**General**

Device Type	Network surveillance camera
Audio Support	Yes: built-in speaker, two-way audio capability, built-in microphone
Camera Mount Type	Wall mount, ceiling mount, pole mount
Connectivity Technology	Wireless, wired
Width	12.38 cm
Depth	12.3 cm

Height	9 cm
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Expansion / Connectivity

Supported Memory Cards	microSD Card
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Manufacturer Warranty

Service & Support	Limited warranty - 2 years
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Miscellaneous

Included Accessories	Mounting kit, waterproof cable attachments, waterproof seal
Cables Included	1 x power cable - 3 m
Compliant Standards	IP66, WPA, WPA2-PSK, FCC, RoHS, RCM, AES-128

Power

Power Requirements	DC 9 V - 0.85 A
Power Device	Power adapter - external AC 100-240 V (50/60 Hz) 7.65 Watt

Environmental Parameters

Min Operating Temperature	-30 °C
Max Operating Temperature	60 °C
Relative Humidity (operating)	10 - 90% RH (non-condensing)

Camera

Type	Colour - Day&Night - pan / tilt - outdoor - weatherproof
Digital Video Format	H.264
Max Digital Video Resolution	2560 x 1440
Motion Detection	Yes
Video Modes	2K
Infrared LEDs	Yes
Infrared Distance	29.87 m
Digital Video Capture Resolution	2560 x 1440
Frame Rate (max)	30 frames per second
Features	Starlight Color Night Vision, Person Detection, Pet Detection, Vehicle Detection, built-in dual aerial, sound and light alarm, cross line detection, Snapshot notification, clips notification, reset button, LED indicator

Lens Construction

Focal Length	3.18 mm
Lens Iris	F/1.61

Image Sensor

Type	4 MP CMOS 1/3"
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Interfaces

Network Interface	IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, 2.4GHz radio
Network Protocols	SSL, TLS, TCP/IP, ICMP, DNS, HTTPS, UDP/IP

Panning

Range (degree)	360
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**Internet of Things (IoT)**

Internet of Things (IoT) Compatible	Yes
Compatible Application	Tapo app
Communications Type	Cloud
Communications Technology	Wi-Fi
Intelligent Assistant	Alexa, Google Assistant
Voice Controlled	Indirect

**Tilting**

Range (degree)	90
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