

# Outdoor Pan/Tilt Security Wi-Fi Camera

**2K**  
Resolution

Tapo C510W



## Color Night Vision

360° Visual  
Coverage

Smart Motion  
Tracking

Local microSD Storage  
(Up to 512 GB)<sup>†</sup>

works with | **amazon alexa**

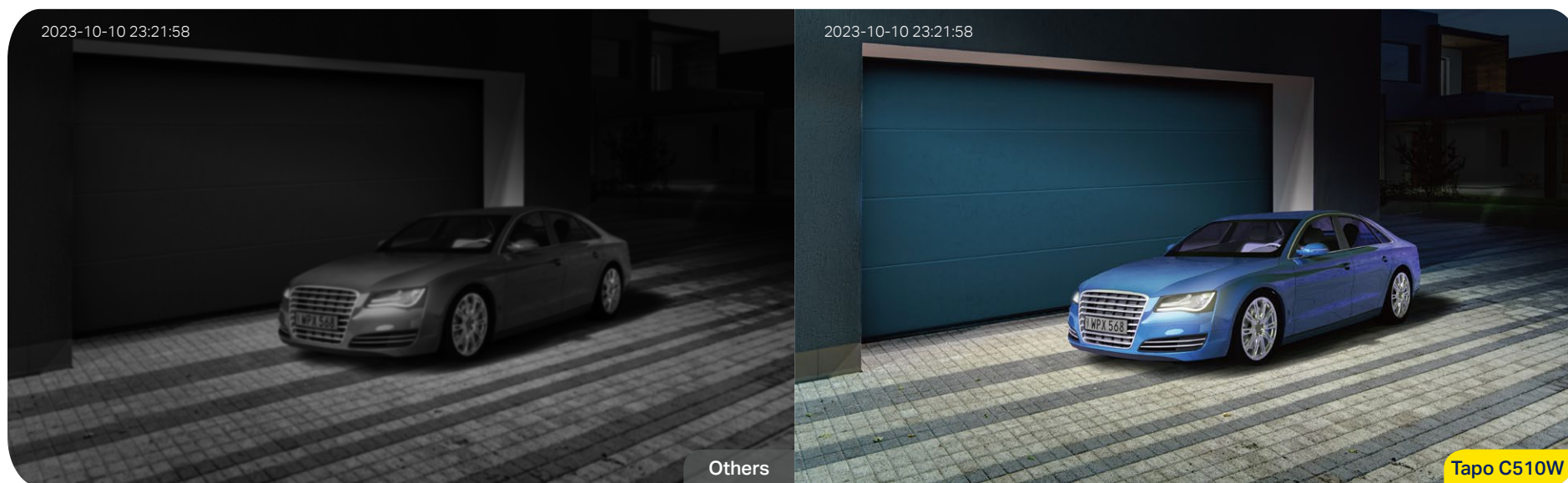
works with  
**Google Home**



## // Highlights

### Color Night Vision

Enhances your security by revealing high-detailed and full-color images with built-in spotlights, even in darkness.



## // Features



### 2K 3MP Live View

Captures more details and delivers higher definition pictures with a resolution of 2304×1296.<sup>^</sup>



### Patrol Mode

Keep the camera cruising between two customized points to keep an eye on more vital areas.



### Activity Zones

Set customized detection areas to only let what matters alert you.



### Person and Motion Detection

Smart AI identifies people and motion, then notifies users as needed through the Tapo Smart App.



### Local<sup>†</sup> and Cloud<sup>‡</sup> Storage

To store your videos, choose between a microSD card storage of up to 512 GB<sup>†</sup> or Tapo Care cloud storage<sup>‡</sup>.



### Customizable Sound and Light Alarm

Record your own audio as an alarm and adjust the brightness for your customized use.



### 360° Vision and Motion Tracking

Offers a panoramic view of your surroundings. Tracks and follows motion with high-speed rotation.



### Two-Way Audio

Enables real-time conversational communication through a built-in microphone and speaker.



### IP65 Weatherproof

Offers excellent waterproof and dustproof performance for outdoor scenarios.

<sup>†</sup>microSD card purchased separately. Actual storage capacity depends on the size of the microSD card used.

<sup>‡</sup>Subscribe for cloud storage at <https://www.tapo.com/tapocare/>

<sup>^</sup>Compatible with Alexa and Google Assistant supported displays. User experience is dependent on the connected device's specifications.

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

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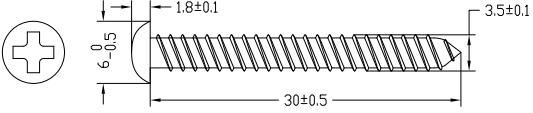
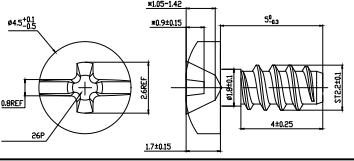
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## // Specifications

|                          |                    |                                                                                                                   |
|--------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Camera</b>            | Image Sensor       | 1/2.8" Progressive Scan CMOS Sensor                                                                               |
|                          | Lens               | Focal Length: 3.9 mm<br>Aperture: F2.0<br>Field of View: 97.23° (Diagonal), 82.3° (Horizontal), 45.31° (Vertical) |
|                          | Night Vision       | 850 nm IR LED (98 ft / 29.9 m)<br>Full-Color Night Vision                                                         |
|                          | Day/Night Switch   | IR-Cut Filter with Auto-Switching                                                                                 |
|                          | Lighting           | 2× Built-in Spotlights                                                                                            |
|                          | Interface & Button | 1× RESET Button<br>1× microSD Card Slot (Up to 512 GB)                                                            |
|                          | Hub Compatibility  | /                                                                                                                 |
| <b>Video &amp; Audio</b> | Maximum Resolution | 2304 x 1296 px                                                                                                    |
|                          | Frame Rate         | 15 fps                                                                                                            |
|                          | Digital Zoom       | None                                                                                                              |
|                          | Video Compression  | H.264                                                                                                             |
|                          | Live View          | Yes                                                                                                               |

|                                     |                       |                                                                               |
|-------------------------------------|-----------------------|-------------------------------------------------------------------------------|
| <b>Video &amp; Audio</b>            | Image Enhancement     | 3DNR<br>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)                               |
| <b>Storage</b>                      | Local Storage         | microSD Card Slot on Camera (Up to 512 GB)                                    |
|                                     | Cloud Storage         | Tapo Care Cloud Storage Services (Subscription required)                      |
| <b>Detection &amp; Notification</b> | Sensor                | /                                                                             |
|                                     | AI Detection          | Motion Detection<br>Person Detection<br>Camera Tampering                      |
|                                     | Activity Zones        | Yes<br>*Only works with Motion Detection.                                     |
|                                     | Output Notification   | System Notification<br>System Notification with Snapshot (Tapo Care Services) |
| <b>Network</b>                      | Network Connectivity  | Connect via Wi-Fi                                                             |
|                                     | Wireless Connectivity | IEEE 802.11b/g/n, 2.4 GHz Wi-Fi                                               |
|                                     | Transmission Rate     | 11b: 11 Mbps<br>11g: 54 Mbps<br>11n: 72.2 Mbps                                |
|                                     | Protocol              | TCP/IP, DHCP, ICMP, DNS, NTP, HTTPS, TCP, UDP                                 |

|                 |                                               |                                                                                        |
|-----------------|-----------------------------------------------|----------------------------------------------------------------------------------------|
| <b>Network</b>  | Max. Distance Between Hub and Camera/Doorbell | /                                                                                      |
|                 | Ethernet Port                                 | /                                                                                      |
|                 | RTSP                                          | Yes                                                                                    |
|                 | ONVIF                                         | Yes                                                                                    |
| <b>Security</b> | Security                                      | On-Device Machine Learning<br>128-bit AES Encryption with SSL/TLS<br>WPA/WPA2-PSK/WPA3 |
| <b>Power</b>    | Power Source                                  | 12 V DC Power Adapter                                                                  |
|                 | 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<br>Outside Ø: 5.5 mm                                                  |
|                 | Power Cord Length                             | 3 m                                                                                    |
| <b>Power</b>    | Typical Power Consumption                     | 3.75 W                                                                                 |
|                 | Maximum Power Consumption                     | 12 W                                                                                   |

|         |                               |                                                                                                 |
|---------|-------------------------------|-------------------------------------------------------------------------------------------------|
| General | Certifications                | CE, FCC, RoHS, RCM, JRF, VCCI, KC, IC, NCC, BSMI, WWA, NTRA                                     |
|         | Smart Integration             | Google Assistant, Amazon Alexa                                                                  |
|         | Weather Resistance            | IP65                                                                                            |
|         | System Requirements           | Tapo App: iOS 9.0 or higher, Andriod 4.4 or higher                                              |
|         | Mounting Options              | Ceiling-Mounted<br>Wall-Mounted<br>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           |             |
|         | SD Card Slot Cover Screw Size |             |
|         | Dimensions                    | 4.9 × 4.8 × 3.5 in (123.8 × 123 × 90 mm)                                                        |

|                |                  |                                                                                                                                                                              |
|----------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General</b> | Weight           | 12.8 oz / 364 g                                                                                                                                                              |
|                | Package Contents | Tapo C510W Camera<br>Power Adapter<br>Mounting Anchors<br>Mounting Screws<br>Bracket Screws<br>Mounting Template<br>Mounting Bracket<br>Waterproof Seal<br>Quick Start Guide |