Datasheet



# Solar-Powered Security Camera Kit

Tapo C460 KIT



Adjustable Magnetic Base





Starlight Color Night Vision Free Person/Pet/

10000mAh Rechargeable Battery Weatherproof Certified



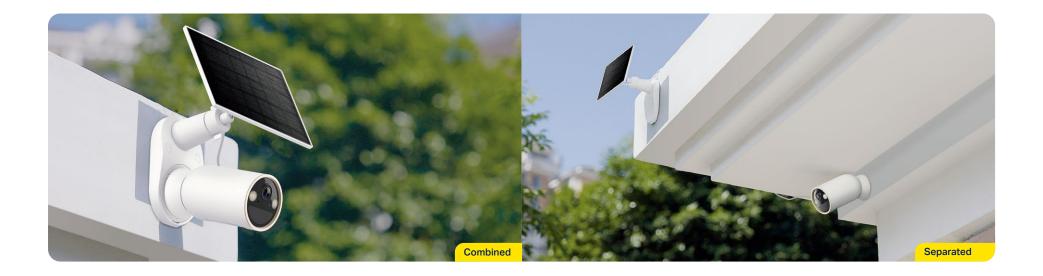




# Highlight

#### Wire-Free Monitoring with Flexible Solar Panel Installation

Say goodbye to wiring constraints and frequent battery recharges. Our solar panel kit offers flexibility: install it separately with a 4m extra-long cable or alongside the camera, allowing you to discover optimal spots for seamless monitoring.





## Highlight

#### Premium Features. Total Control. All in One App.

Secure and control your home anywhere, anytime with the Tapo app. View live footage, speak to visitors, share clips, and easily tailor advanced settings.



#### Free Person/Pet/Vehicle Detection

Identifies people, pets, and vehicles while only sending you alerts when truly needed.



#### Customizable Activity Zones

Set up customized detection zones to be alerted only in areas where you wish to monitor and block out zones you want hidden.



#### Anti-Theft Alert & Privacy Lock

Get notified instantly if your camera is tampered with. Secure your microSD card with a password via the Tapo app for enhanced privacy protection.





### Features



#### 4K Crystal-Clear Surveillance

Capture every detail with precision. Tapo C460 KIT features 4K resolution and 18× digital zoom for superior clarity. See more. See clearer. Stay secure.



#### Starlight Color Night Vision

Enhances your security by revealing brighter, full-color images and vivid details even in low-light conditions with built-in spotlights and the starlight sensor.

#### High-Efficiency Solar Charging

Just 45 minutes\* of direct sunlight daily charges Tapo C460 for all-day use. No sun? No problem—its built-in battery powers the device for up to 200 days.\*\*



#### Connect Directly to Wi-Fi

Easily connect the camera to your network wirelessly via Wi-Fi for a more flexible installation.



#### Two-Way Audio

Talk and listen through the device with its integrated microphone and speaker.



#### Local and Cloud Storage

Store footage on a microSD card (up to 512 GB)<sup> $\dagger$ </sup> with no subscription required, or opt for cloud storage<sup> $\ddagger$ </sup> with a 30-day free trial for added convenience.

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#### IP66 Weatherproof

Performs well even in harsh environments with rain and dust, ideal for outdoor scenarios.



#### Customizable Sound and Light Alarm

Record your voice and set the spotlight brightness to create an alarm that fits your needs.



#### Adjustable Magnetic Base

Thanks to a magnetic base, effortlessly place and rotate your camera at any angle, without needing to screw it into the camera bracket.



# Specifications

| Camera        | Image Sensor        | 1/2.7" Progressive Scan CMOS Starlight Sensor  |
|---------------|---------------------|--|
|               | Lens                | Focal Length: 3.17mm<br>Aperture: F1.65<br>Field of View: 134° (Diagonal), 113° (Horizontal), 59° (Vertical) |
|               | Night Vision        | 4× 850 nm IR LEDs (49 ft / 14.9 m)<br>Starlight Color Night Vision   |
|               | Night Mode          | IR-Mode/ Full-Color Mode   |
|               | Day/Night Switch    | IR-Cut Filter with Auto-Switching  |
|               | Lighting            | 2× Built-in Spotlights<br>Motion Activiated, App-Controlled  |
|               | Interface & Button  | 1× POWER Button<br>1× RESET Button<br>1× microSD Card Slot (Up to 512 GB)                                    |
| Solar Panel   | Connection Capacity | A solar panel can only connect to one camera.  |
|               | Output Port         | Туре-С   |
| Video & Audio | Maximum Resolution  | 4K 8MP (3840 × 2160 px)  |
|               | Frame Rate          | 15fps  |
|               | Video Compression   | H.265 / H.264  |
|               | Live View           | Yes  |
|               | Image Enhancement   | 3DNR<br>WDR  |

| Video & Audio               | Audio Input & Output  | Built-in Microphone and Speaker  |
|-----------------------------|-----------------------|--|
|                             | Audio Communication   | Two-Way Audio with Noise Cancellation  |
|                             | Siren Volume          | 100dBA (Level measured at 10cm distance)<br>80dBA (Level measured at 100cm distance) |
| Storage                     | Local Storage         | microSD Card Slot on Camera (Up to 512 GB) (Purchase Separately)                     |
|                             | Cloud Storage         | Tapo Care Cloud Storage Services (Subscription required)                             |
| Detection &<br>Notification | Sensor                | Single Motion Sensor (FOV: 120° horizontal)<br>Single Ambient Light Sensors          |
|                             | Detection             | Motion Detection<br>Person Detection<br>Pet Detection<br>Vehicle Detection           |
|                             | Activity Zones        | Yes  |
|                             | Output Notification   | System Notification<br>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<br>IEEE 802.11a/n, 5 GHz Wi-Fi                       |
|                             | Transmission Rate     | 11b: 11 Mbps<br>11g: 54 Mbps<br>11n: 72.2 Mbps<br>11a: 54 Mbps                       |
|                             | Protocol              | TCP/IP, ICMP, DNS, HTTPS, TCP, UDP   |

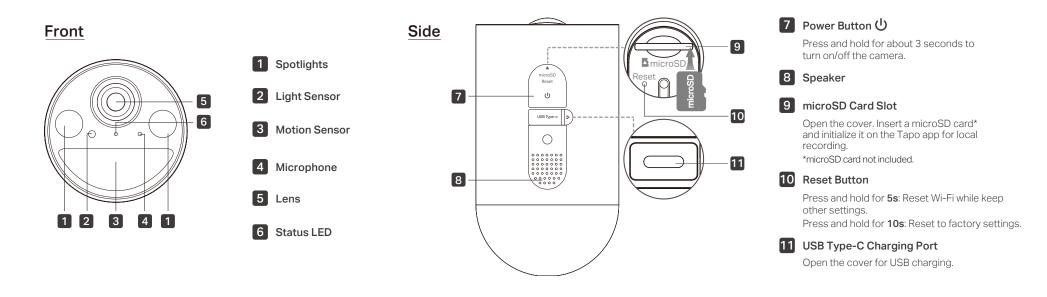
| Security | Security                            | 128-bit AES Encryption with SSL/TLS<br>WPA/WPA2-PSK  |
|----------|-------------------------------------|--|
| Power    | Power Source                        | Built-in Rechargeable Lithium-ion Battery<br>Tapo A201 Solar Panel   |
|          | Solar Panel Max Charging<br>Voltage | 5.2 V  |
|          | Solar Panel Max Charging<br>Power   | 2.5 W  |
|          | Camera Adapter Input                | 100-240 V, 50/60 Hz (Not included)   |
|          | Camera Adapter Output               | 5.0 V, 2.0 A (Not included)  |
|          | Power Cord Length                   | USB Adapter Cable Length: 0.5 m (19.68 in.)<br>Solar Panel Charging Cable Length: 0.25 m (9.84 in.)<br>Solar Panel Extension Charging Cable Length: 3.8 m (149.61 in.) |
|          | Camera Typical Power<br>Consumption | 0.983 W  |
|          | Camera Maximum Power<br>Consumption | 3.797 W  |
| General  | Certifications                      | CE, FCC, DOE, CEC, RCM, KC, NCC, BSMI, NTRA, IP66  |
|          | Smart Integration                   | Google Assistant, Amazon Alexa   |
|          | Weather Resistance                  | IP66 for Tapo C460, IP65 for Tapo A201   |
|          | Mounting Options                    | Ceiling-Mounted<br>Wall-Mounted  |
|          | Operating Temperature               | -20°C ~ 45°C (-4 °F ~ 113 °F )   |
|          | Storage Temperature                 | -40°C ~ 60°C (-40 °F ~ 140 °F )  |

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|---------------|--------------------|-------|--|--|
|               |                    |       |  |  |
|               | Operating Humidity | 10%~9 |  |  |
|               |                    |       |  |  |

| General | Operating Humidity   | 10%~90% RH, Non-condensing   |
|---------|----------------------|--|
|         | Storage Humidity     | 5%~90% RH, Non-condensing  |
|         | Charging Temperature | 0°C ~ 45°C (32 °F ~ 113 °F )   |
|         | Dimensions           | Camera Dimensions: D64.8 x 114.6 mm (D2.55 x 4.51 in.)<br>Solar Panel Dimensions: 173.4 x 120.4 x 15.7 mm (6.83 x 4.74 x 0.618 in.)  |
|         | Weight               | Camera: 11.53 oz / 327 g<br>Solar Panel: 5.08 oz / 144 g   |
|         | Screw Size           | 2Max   |
|         | Package Contents     | Tapo Camera × 1<br>Solar Panel × 1<br>Magnetic Base × 1<br>Solar Panel Bracket × 1<br>Base Cover × 1<br>USB Adapter Cable ×1<br>Extension Wire ×1<br>Mounting Templates × 2<br>Mounting Screws × 6<br>Mounting Anchors × 6<br>Waterproof Seals × 2<br>Screw Caps × 2<br>Cable Zip Tie × 1<br>Quick Start Guide |

### Appearance

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<sup>t</sup>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/

 $^{\circ}\text{IP66}$  weatherproof only applies for Tapo C460 camera.

\*45 minutes of sunlight is based on standard environmental conditions (1000W/m<sup>2</sup>, 25°C, AM1.5) and specified usage scenarios (up to 100 events triggered per day). Actual required sunlight time may vary.

\*\*200-day battery life is based on Tapo laboratory tests with 240s of use per day. Increased usage of 400s per day reduces battery life to 180 days. The time of use includes recording and watching live views. Actual battery life may vary due to device settings, usage, router specifications, and environmental factors.

\*\*\*Actual charging power may vary based on installation location, weather conditions, temperature, and other environmental factors.

\*\*\*\*The suitable temperature for the solar panel is -20°C~45°C. The battery charging temperature range should be maintained between 0°C~45°C.

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