Quick Start Guide

Solar-Powered Pan/Tilt Security Camera Kit

*Images may differ from actual products.

Setup Video
Scan the QR code or visit
https://www.tp-link.com/support/setup-video/#cloud-cameras

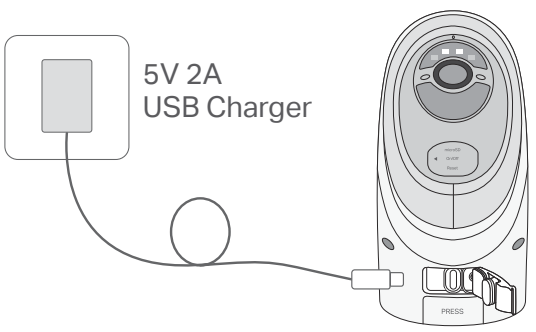
7100000161 REV1.2.0
©2025 TP-Link

Need some help?

Visit **www.tapo.com/support/**
for technical support, user guides, FAQs, warranty, and more

1 Charge the Battery

The battery comes partially charged. We recommend that you fully charge the battery before use. This will take about **six and a half** hours.



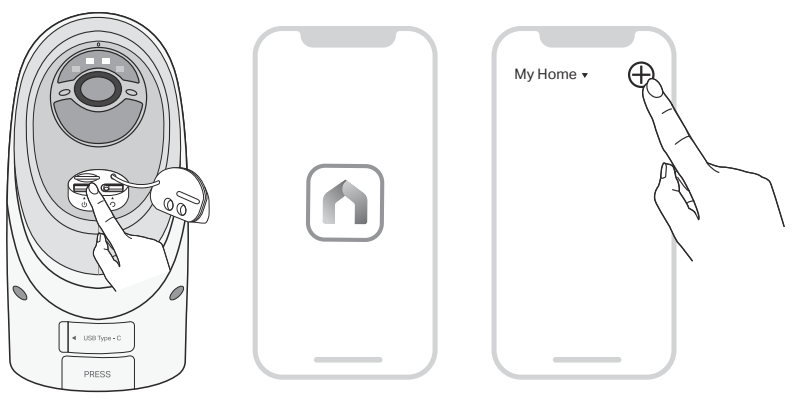
Note:
1. Peel off film from the camera before use.
2. Charge the battery using the USB cable in the package. Inappropriate cables may result in slow charging or failure to charge.
3. Warning: Do not tear off the silicone part by force as it may affect the waterproof performance.
4. When you plug in the USB charger, the LED should blink amber quickly for 3 seconds. If not, make sure the power is running and check your connection.
5. Keep the ports firmly covered when not in use to ensure waterproof performance.
6. The camera may not power up after falling. Plug in the USB charger to power it on again.
7. Check the battery status on the Tapo app after setup.

2 Set Up the Camera

1. Get the **Tapo** app from the App Store or Google Play, and log in.

Download on the App Store
GET IT ON Google Play
OR

2. Open the cover, then press and hold the power button (left) on your camera for about 3 seconds to turn it on.
Open the Tapo app, tap the ⊕ button in the app, and select your model. Then follow the app instructions to set up your camera.

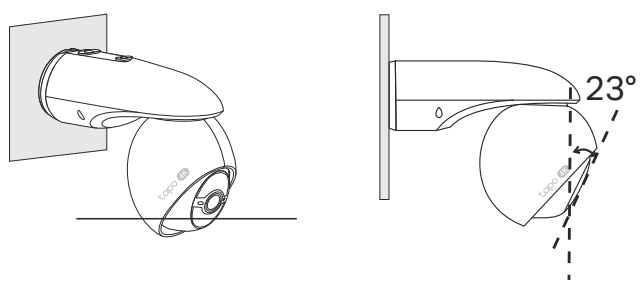


Camera Status LED Indication

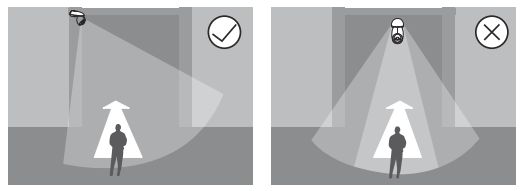
Blinking amber quickly for 3 seconds	Plugging in USB charger
Solid red	Starting up
Blinking red and green	Ready for setup
Blinking red slowly	Connecting to Wi-Fi
Solid amber	Connected to Wi-Fi
Solid green	Connected to the cloud
Blinking red quickly	Camera resetting
Blinking green quickly	Camera updating

3 Camera Mounting Tips

1. Avoid placing behind glass. Glass will obstruct the motion sensor of your camera.
2. Choose a proper location to mount your camera, or it will be triggered too often by false alarms.
   - Avoid pointing the camera directly at swaying trees.
   - Avoid pointing the camera directly at vehicles and pedestrians on the road.
   - Avoid pointing the camera directly at street lamps and sunlight.
3. Do not place the camera upside down.
4. For optimal results, keep the motion sensor level and tilt the camera lens upwards at a ~23° angle (with the microphone nearly covered).

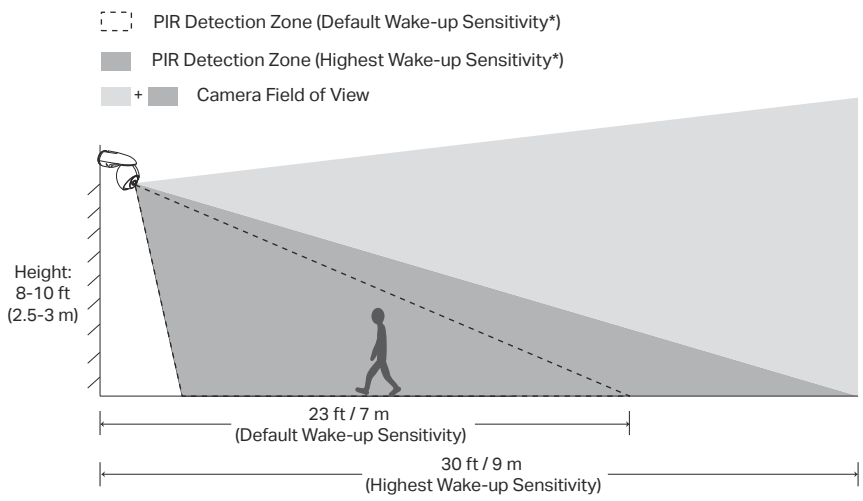


5. Mount your camera to the side so that movement goes across the lens' field of view to better trigger motion detection and AI detection.



*Do not mount facing the direction of movement.

6. For optimal detection performance, we recommend mounting the camera 8-10 ft (2.5-3 m) above the ground.



*You can adjust the sensitivity in Camera Settings > Detection > Wake-up Sensitivity.
The FOV and PIR detection zone shown is based on a camera mounted at 8 ft/2.5 m.

4 Solar Panel Mounting Tips

The position and tilt angle of the solar panel greatly affects the solar efficiency.

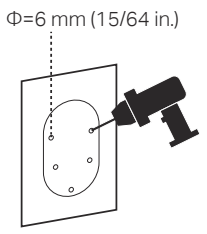
1. Choose a location where the solar panel gets the most sunlight throughout the year. Regularly wipe the panel to remove dust and debris.
2. Position the panel south-facing in the Northern Hemisphere or north-facing in the Southern Hemisphere. The recommended tilt angle between the panel and the horizontal ground is 35° ~ 45°.

5 Mounting

Option 1: Mount the Solar Panel & Camera

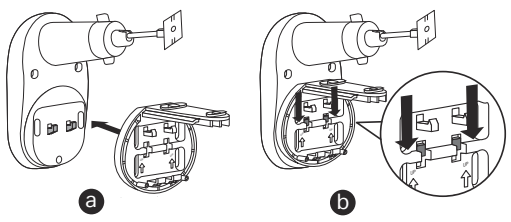
1. Drill Holes

Stick the mounting template to a solid and level wall surface. Drill five screw holes according to the template.



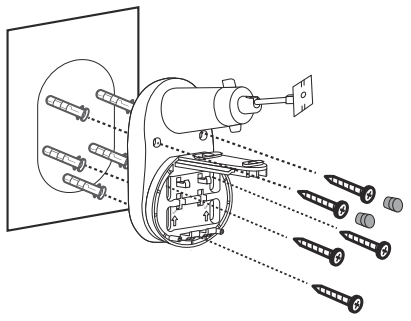
2. Attach Camera Bracket to Solar Panel Bracket

a. Align the camera bracket to the hooks on solar panel bracket and put into place.
b. Slide down to secure the camera bracket.



3. Secure Solar Panel Bracket

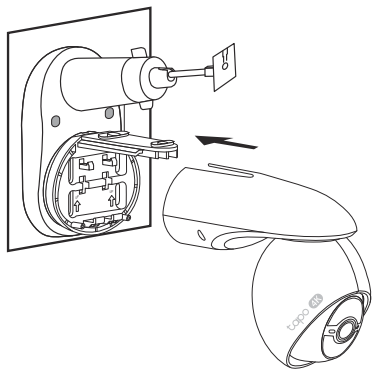
a. Insert five wall anchors into the holes and use the mounting screws to affix the solar panel bracket with camera bracket over the anchors.
b. Insert two screw caps into the upper screw holes.





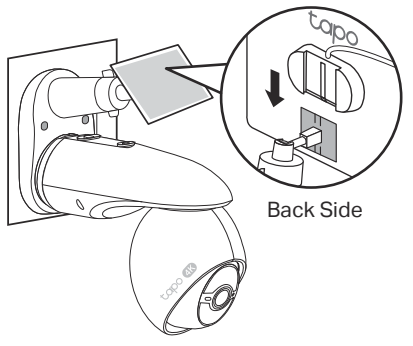
4. Attach Camera to Bracket

Slide the camera onto the camera bracket until it clicks into place.



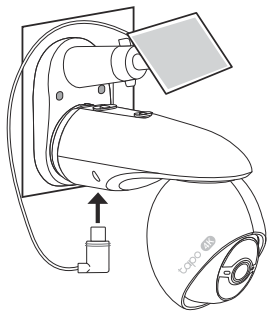
5. Install Solar Panel

Slide the solar panel onto the solar panel mounting bracket until it clicks into place.



6. Connect Camera to Solar Panel

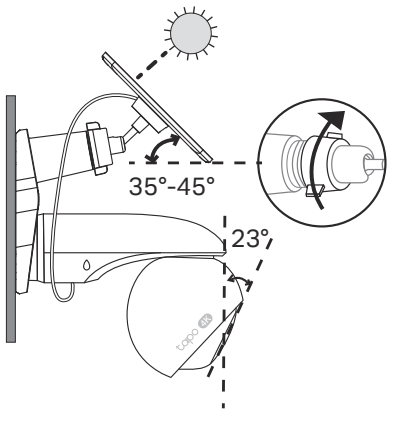
Connect the connector into the camera charging port until snug to charge the camera.



7. Adjust Camera & Solar Panel Angle

a. Loosen the adjustable screw, tilt the solar panel to adjust the angle, and then tighten the adjustable screw. The recommended tilt angle between the panel and the horizontal ground is 35° ~ 45°.

b. Tilt the camera lens upwards at a ~23° angle (with the microphone nearly covered).

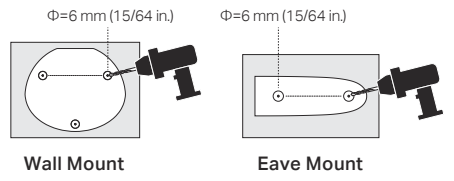


Option 2: Mount the Camera Individually

You can use the camera bracket to mount the camera **on a wall** or **under an eave**.

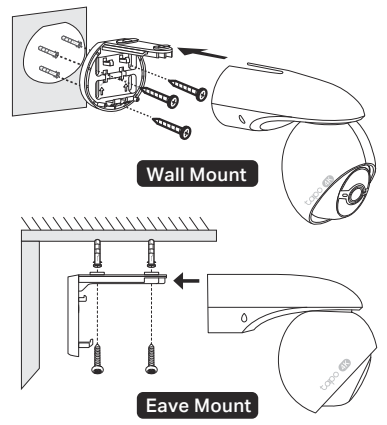
1. Drill Holes

Stick the mounting template to the desired location.
Drill 3 holes (Wall Mount) or 2 holes (Eave Mount) according to the template.

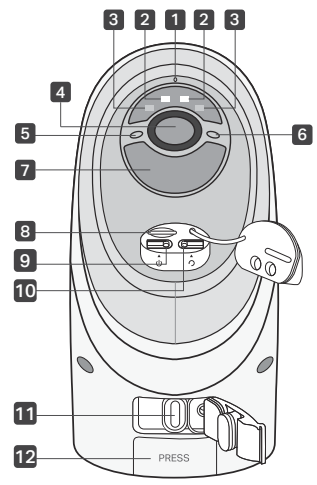


2. Secure Bracket & Install Camera

Insert 3 anchors (Wall Mount) or 2 anchors (Eave Mount) into the holes and use the screws to affix the camera bracket over the anchors.
Then slide the camera onto the camera bracket until it clicks into place.



Appearance



1 **Microphone**

2 **IR LEDs**

3 **White Light LEDs**

4 **Lens**

5 **Light Sensor**

6 **Status LED**

7 **Motion Sensor**

8 **microSD Card Slot**
Open the cover. Insert a microSD card* and initialize it on the Tapo app for local recording.
*microSD card not included.

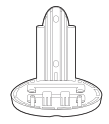


9 **On/Off Power Button**
Press and hold for about **3s**:
Turn on/off the camera.

10 **Reset Button**
Press and hold for **5s**:
Reset Wi-Fi while preserving the other.
Press and hold for **10s**:
Reset to factory settings.

11 **USB Type-C Charging Port**
Open the cover for USB charging.

12 **PRESS Button**
Press the button to loosen the camera bracket.


Camera Bracket

Safety Information

For Solar Panel:
- Keep the device away from fire or hot environments. DO NOT immerse in water or any other liquid.
- Do not attempt to disassemble, repair, or modify the device. If you need service, please contact us.

TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of directives 2014/30/EU, 2014/35/EU, 2011/65/EU and (EU)2015/863.

The original EU declaration of conformity may be found at https://www.tapo.com/en/support/ce/

TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of the Electromagnetic Compatibility Regulations 2016 and Electrical Equipment (Safety) Regulations 2016.

The original UK declaration of conformity may be found at https://www.tapo.com/support/ukca/

For Camera:
- This equipment can be powered only by equipments that comply with Power Source Class 2 (PS2) or Limited Power Source (LPS) defined in the standard of IEC 62368-1.
- Do not use damaged charger or USB cable to charge the device.
- Do not use any other chargers than those recommended.
- Do not use the device where wireless devices are not allowed.
- Adapter shall be easily accessible.
- Use only power supplies which are provided by manufacturer and in the original packing of this product. If you have any questions, please don't hesitate to contact us.
- Keep the device away from fire or hot environments. DO NOT immerse in water or any other liquid.
- Do not disassemble, repair or modify the product.
- Do not place near automatically controlled devices such as fire alarms. Radio waves emitted from this product may cause such devices to malfunction resulting in an accident.
- Observe restrictions on using wireless products in fuel depots, chemical plants or when blasting operations are in progress.
- Do not use liquid to clean the product. Only use a dry cloth.
- Never put metal objects inside the product. If a metal object enters the product turn off the circuit breaker and contact an authorised electrician.
- This product is not intended to be used when providing medical care. Consult the manufacturer of any personal medical devices, such as pacemakers or hearing aids to determine if they are adequality shielded from external RF (radio frequency) energy.
- Do not use this product in health care facilities. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.
- Do not place heavy objects on top of the product.
- When you leave the product unused for a long time unplug the product from the power outlet.
- This product may interfere with other electronic products such as TV, radios, personal computers, phones or other wireless devices.
- Operating Temperature: -20℃ ~ 45℃ (-4℉ ~ 113℉)
- Adapter should be used indoors where the ambient temperature is lower than or equal to 40℃.

CAUTION!
Avoid replacement of a battery with an incorrect type that can defeat a safeguard.
Avoid disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion.
Do not leave a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas; Do not leave a battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.

Please read and follow the above safety information when operating the device. We cannot guarantee that no accidents or damage will occur due to improper use of the device. Please use this product with care and operate at your own risk.

TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of directives 2014/53/EU, 2009/125/EC, 2011/65/EU and (EU)2015/863.

The original EU declaration of conformity may be found at https://www.tapo.com/support/ce

TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of the Radio Equipment Regulations 2017.

The original UK declaration of conformity may be found at https://www.tapo.com/support/ukca/