

WiFi

Easy Setup Guide



UBox

The user guide is for reference only.

Screen shots displayed in this user's guide of the "UBox" app may appear differently than those currently featured in your app as frequent updates and improvements.

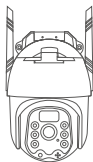
Please scan the QR code below with your mobile phone to download and install the "UBox" APP.



- For iOS system devices, please search and download the "UBox" app in Apple Store.
- For Android system devices, please search and download the "UBox" app in Google play.

1.Packing List

Open the package, please make sure that the Solar Outdoor PTZ Camera is good. Please refer to the figure below to confirm whether the accessories are complete.

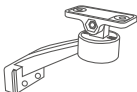


Solar Camera



Solar panel

It can convert solar energy into electricity, stores it in the battery, and continuously powers the camera.
It can be charged in rainy days.



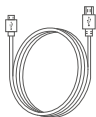
all-in-one stand

Fixing the solar panel at the corresponding position of the device



Quick installation instructions

Please read the installation instructions of the "UBox" App carefully. When installing the camera, please carry it with you for easy reference at any time.



USB Power Cable

It can directly charge the lithium battery, and it also can directly power the camera.



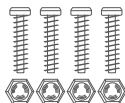
Screwdriver

It is used to install cameras and solar power supply.



Screw packing(2)

It is used to fix the camera and fix the solar bracket.



Screws

Be used to fix four holes of the straps chassis at the bottom of the device



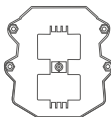
Screws

Be used to fix solar panel for integrated bracket



Straps (2)

For the integration of equipment tied to round objects such as trees, poles, etc.



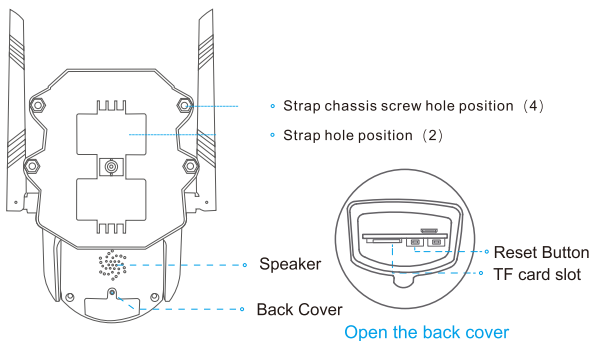
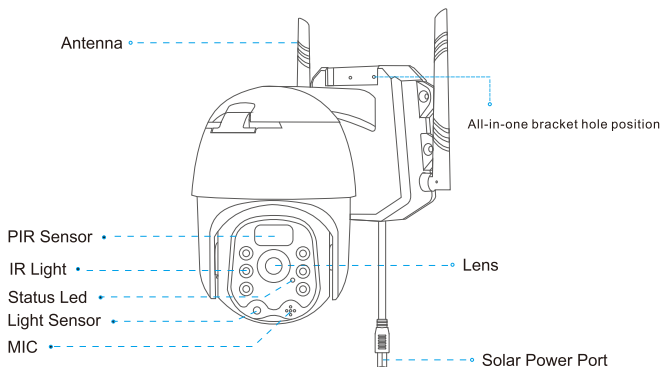
Strap chassis

Fix the chassis to the bottom of the camera with 4 screws and nuts to attach to the cylindrical object with the strap.



Please use a 5V 2A power adapter to charge the battery, otherwise it is easy to cause the camera to not work normally.

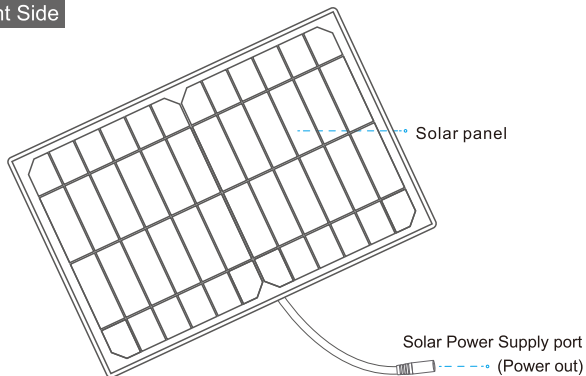
2.Appearance Introduction



⚠ How to reset the camera:

When the device is powered on, press and hold the Reset button for about 4 seconds and release it when you hear a sound from the device. After that, the device will automatically reset successfully and restart.

Front Side

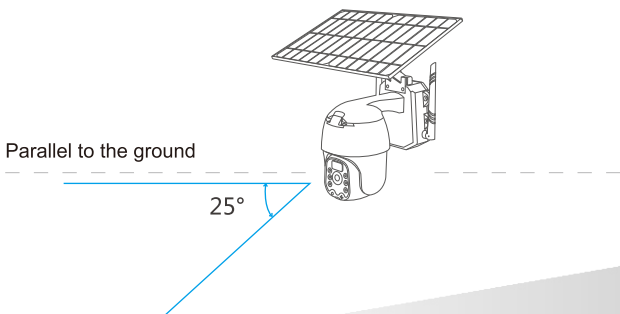


 Please clean the surface of the solar power supply with a clean damp cloth at regular intervals to improve the photoelectric conversion efficiency.

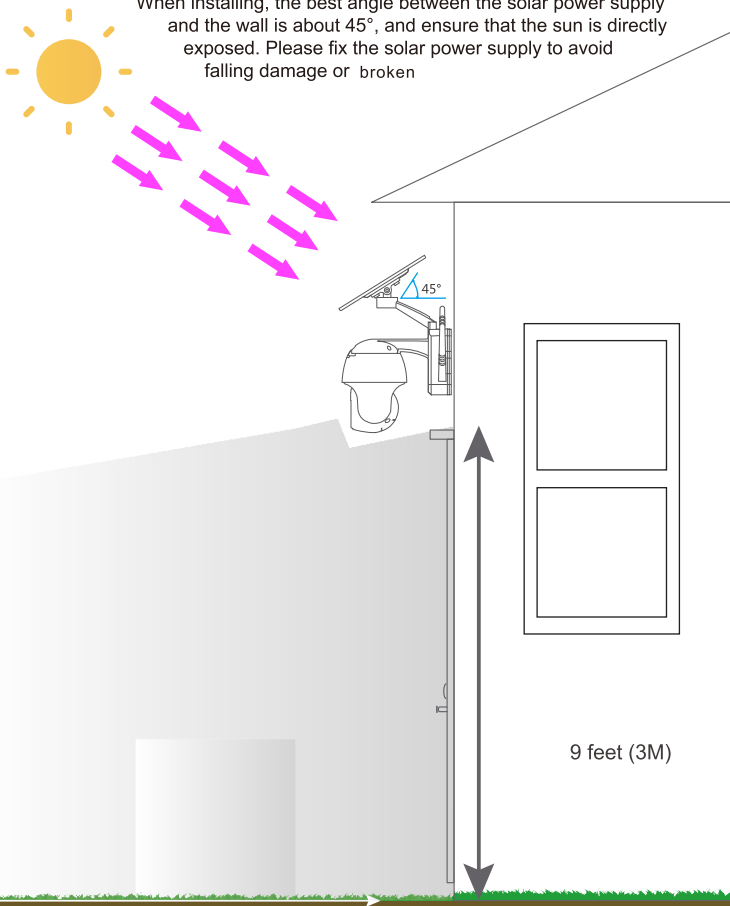
3. Installation Height and Angle.

When the camera is installed at a height of 3 meters and the angle between the lens and the ground is 25° , the sensing distance is 12 meters.

(Please do not aim the camera lens at direct sunlight.)



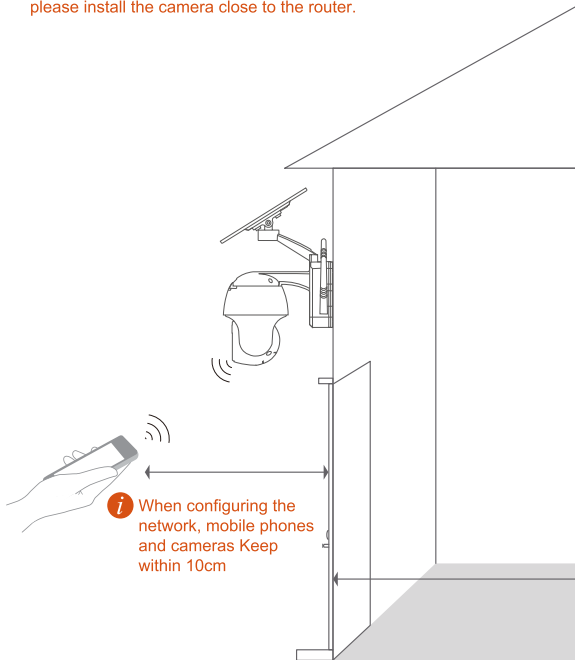
Please install the solar power supply in a place that receives sunlight, do not install it in a place that cannot collect sunlight; When installing, the best angle between the solar power supply and the wall is about 45° , and ensure that the sun is directly exposed. Please fix the solar power supply to avoid falling damage or broken

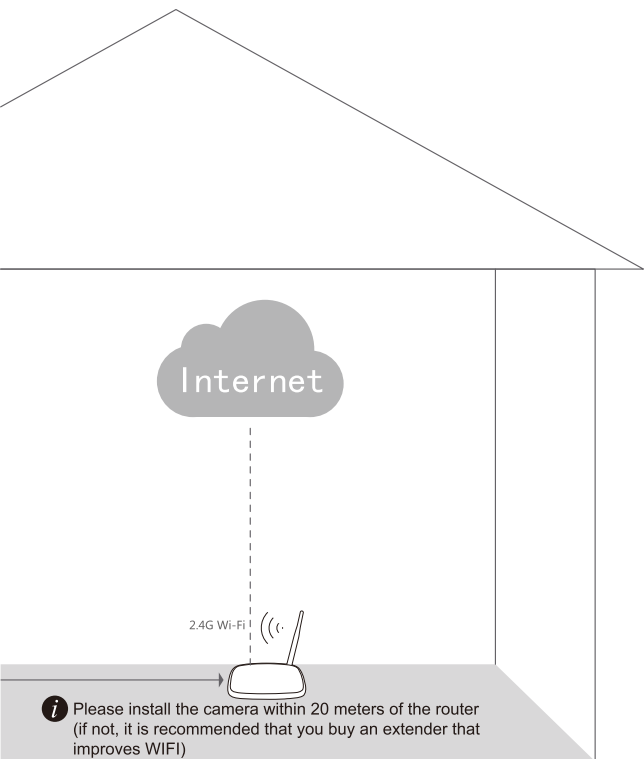


4.Distance between camera and Wi-Fi router

Please keep the distance between the camera and the Wi-Fi router within 1-20 meters, and try to keep it in an open space and away from a large number of shielded metal environments; for example: steel wire fences, iron doors and windows, etc.

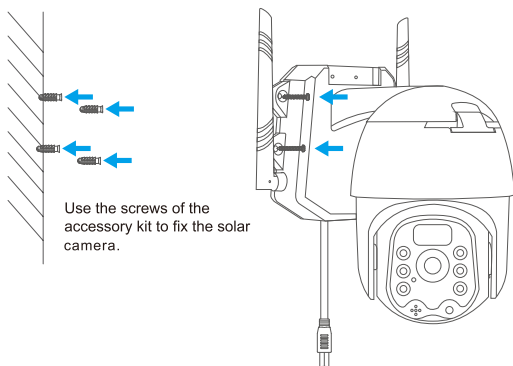
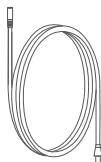
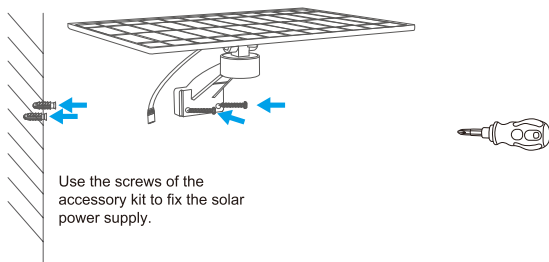
i If you find that the video is not smooth enough or disconnected , please install the camera close to the router.



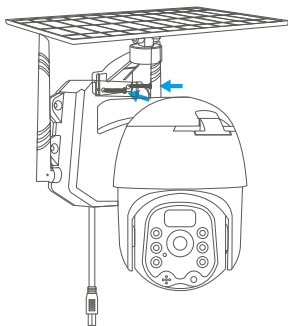


5. Installable mode

Way 1 - Separate installation

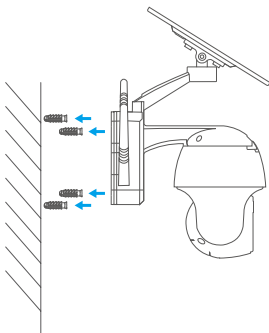


Way 2 - Integrated Installation



1

Use the screws of the accessory kit to fix the camera.



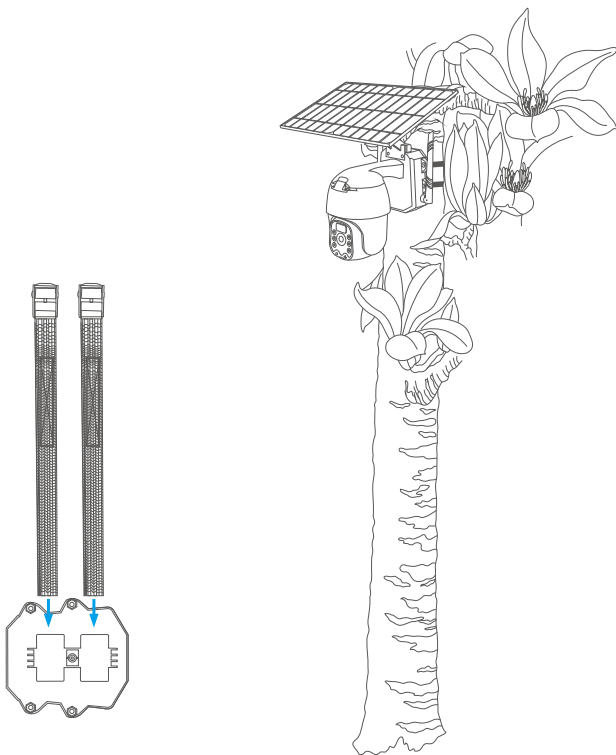
2



Use the screws of the accessory kit to fix the camera.

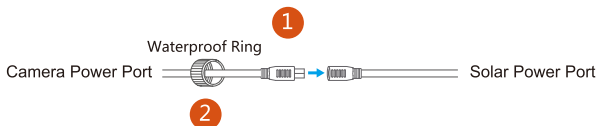
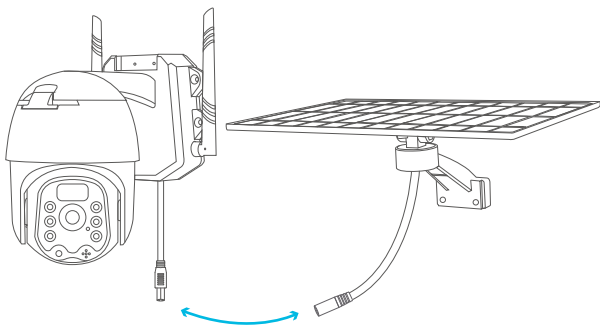
i Make sure that the camera is firmly fixed. If the wind blows the camera, it will increase the risk of falling down.

Way3 - Install cylindrical object



6. Connect the camera to solar power supply.

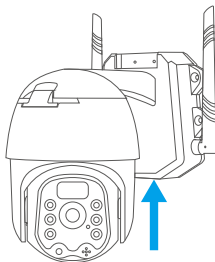
- 1 Please connect the solar power supply interface of the camera to the solar charging board interface.
- 2 Please tighten the waterproof ring to prevent malfunction due to water leakage.



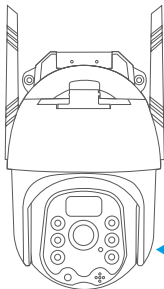
i In order for the camera to work normally, please do not extend the cable.

7. Make sure the camera is powered on

- 1 Press the solar power supply switch on and the red led will be on.
- 2 When the blue light of the camera flashes, the camera is waiting for the Wi-Fi connection of the router.



- 1 Press the switch, the red led is on.



Camera Working Status Led

● Blue/red led is off	No power or the camera is on dormant state
● Blue led is on	Connected to the network successfully, the device is working
⋄ Blue led flashing	Waiting for connection with WiFi router
● Red led is on	Failed to connect to WiFi

- 2 When using it for the first time, please turn on the solar power supply switch, wait for the camera until the blue light flashes, and then start configuring Wi-Fi.

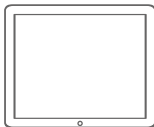
8.Preparation Before Installation

Please prepare the following equipment before use.

It can support IOS 9.0 or Android 8.0 (higher system version is OK)smart phones or iPad,but it can't support Mac or Windows PC .



Android Phone



iPad



iPhone

Wi-Fi Router

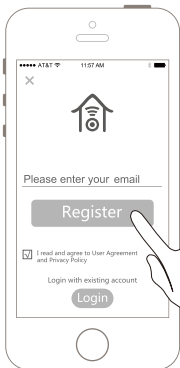
- The camera can only support 2.4Ghz Wi-Fi routers.
- Please turn on the router's DHCP and turn off the MAC address.
- Please do not use the WiFi signal connection of the modem configured by the telecom operator.



9. Registered Account

Please open the "UBox" APP with your mobile phone.

- i** In order to have a better experience, please enable all access permissions of "UBox".

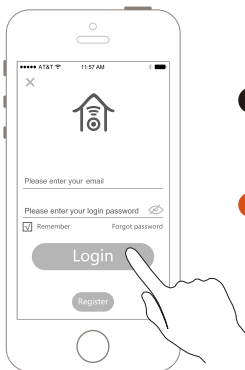


- 1** Please enter your email address, and click to agree to the user agreement, and then click register.



- 2** Please set your login password and enter the correct verification code, then click register.

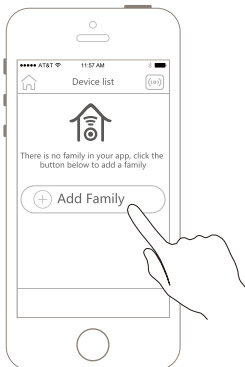
- i** Please set the password to be a combination of English letters and numbers, more than 8 bytes.



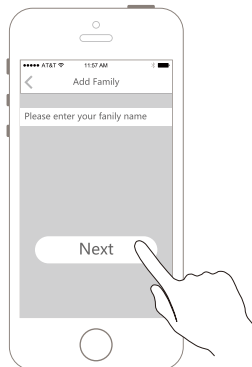
- 3 Please enter your email address when registering your account, then enter your password and click to login.

i In order to login quickly next time, you can choose to tick Remember password.

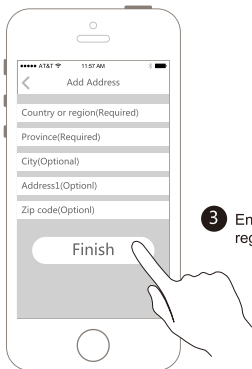
7. Add Camera



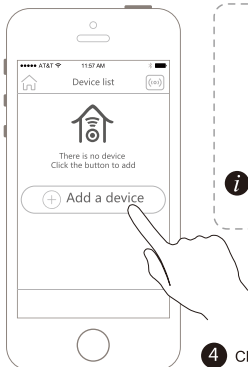
- 1 Click Add home or camera installation location.



- 2 Please enter your family name and click Next.



- 3** Enter the required information for the country or region, province, etc., and then click Finish.



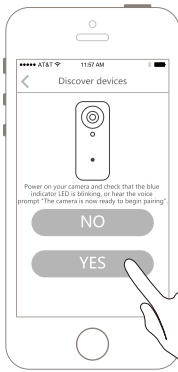
- i** Before adding a camera, please make sure your phone is connected to your Wi-Fi router.

- 4** Click "Add Smart Device"

- i** Please make sure that the blue led of the camera is always flashing and it is in the state of configuring Wi-Fi.

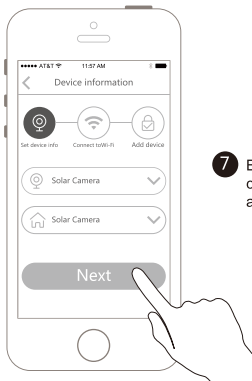


- 5** Click "Install WIFI Device"



- 6** After the device is powered on, the blue led flashes and the voice prompt "Enter". After the configuration is OK, click "Yes"

- i** If the blue indicator led does not flash and you do not hear the prompt sound, please press the reset button until you hear the sound of successful reset. After the blue led flashes, the camera will enter the network configuration mode again.



- 7 Before configuration, you can set a name for the camera, select the camera's location or home address, and click "Next".



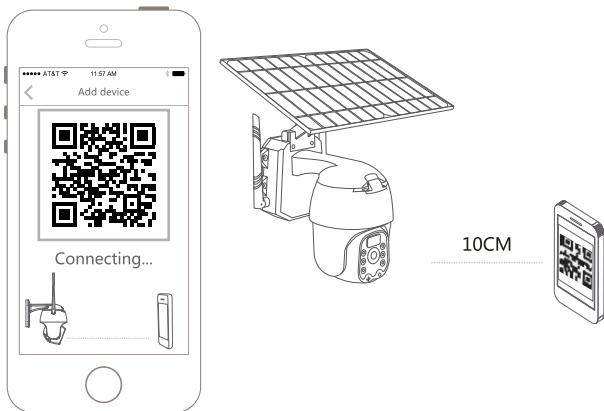
- 8 The APP will automatically fill in the Wi-Fi name that the current phone is connected to, please enter the correct WiFi password, and then click the QR code to configure the network.

Tip: App requires prior permission to locate information to automatically fill in WiFi names.

i Note

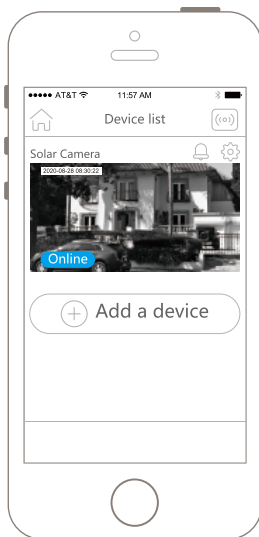
Please don't use Chinese or special symbols to name WiFi.

Please don't use Chinese or special symbols as the WiFi password.



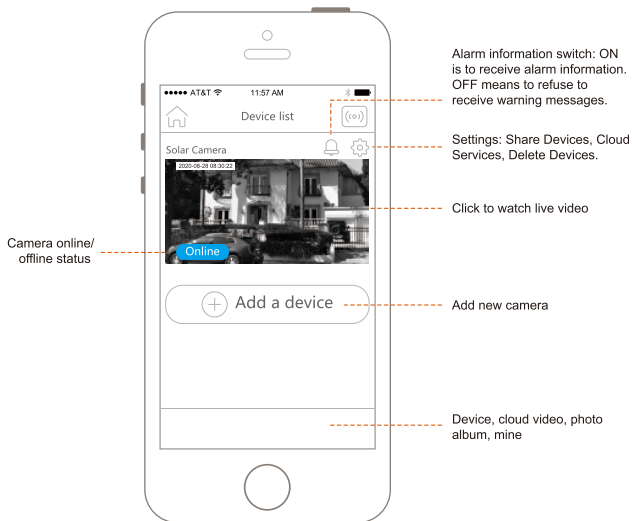
- 9 Please align the QR code with the device lens about 10cm. When you hear the device prompt, it means that the device has received the configuration information, now it is OK. Then the device will be added automatically.

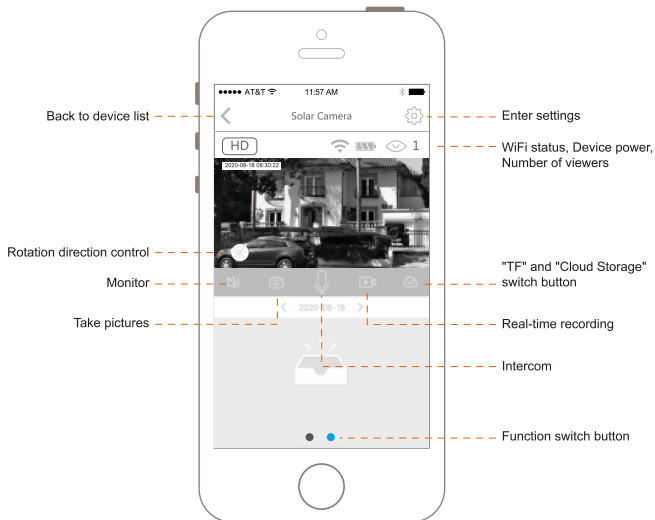
If the voice prompts "wrong password" or other problems, please reset the camera first and then re-pair it. Please refer to page 04 for resetting the camera.



- 10 After the camera is successfully added, the APP will return to the device list interface. Congratulations, the device has been installed OK.

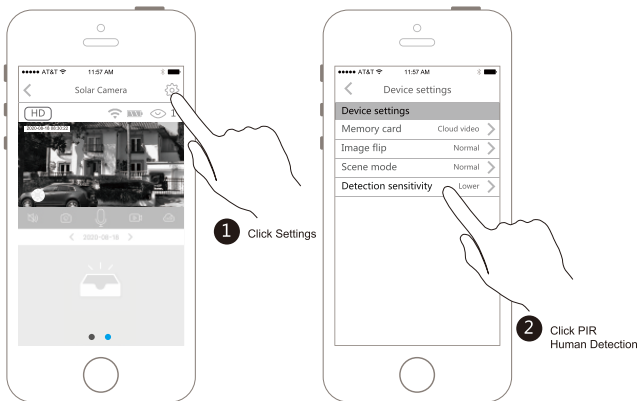
10. Watch the video

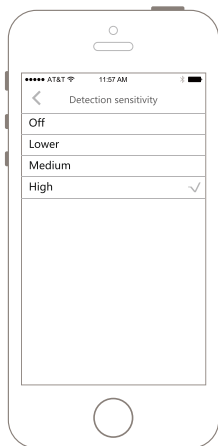




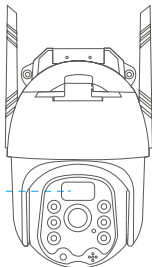
11. Use and setting of PIR sensor

Please set the sensitivity of the PIR sensor according to your environment to avoid excessive battery power consumption or malfunction due to incorrect operation.





- Please set it to "off" or "low" in places with a lot of traffic.
- Please set to "medium" in a place with moderate traffic.
- Please set it to "High" in places with less traffic.

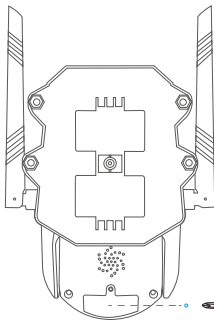


PIR Sensor status Led

Orange led off: no one is detected in the viewing area.

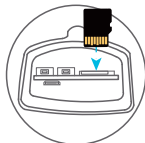
Orange led flashes: someone has been detected entering the viewing area.

12.How to insert TF card



- 1 Use a screwdriver to punch in the back cover after disconnecting the power of the camera.

Open the back cover



- 2 First disconnect the power, insert the TF card, and then install the camera back cover.

- To ensure SD card video recording works steady, we recommend Class 10 or above version high speed Micro SD card.
- To make sure the device works normally, please format the SD card before the first time use.
- Before insert or pull out the SD card, please power off the device.

Notes:

1. About Battery, Power, Standby

1.1. The camera is battery-powered, and the battery usage time will be affected by the camera startup time and the number of startups, so please set the usage environment correctly.

- In places with heavy traffic, please set PIR Sensor to off or low;
- In places with moderate traffic, please set PIR Sensor to medium;
- In places with low traffic, please set PIR Sensor to high.

Or by setting the time to automatically start or close the PIR Sensor.

1.2. The camera will automatically shut down when the battery is low, so when the camera does not have any indicator lights, please charge it in time. To prevent the battery from being unable to start due to excessive discharge.

1.3. When solar power supply is used to power the camera, the normal working voltage of the camera is 3.7V-4.5V. Please fully charge the solar battery before using it for the first time.

- When the battery voltage is higher than 3.7V, the camera can work normally.
- When the battery voltage is lower than 3.7V, all the lights of the camera will go out. Please charge the solar power supply in time.

1.4. When using the camera for the first time or re-powering the camera, if the video screen prompts to charge, it is because the camera has not read the battery level. Wait for a while, restart it, and the battery information is OK.

1.5. The battery specification is 18650 lithium battery, please purchase genuine battery with sufficient capacity. Please buy a single battery with a capacity of 2000-3200mah.

2. About the Network Environment

2.1. Please use a 2.4G Wi-Fi router to connect to the camera wirelessly. 5G routers are not currently supported.

2.2. Please do not use the WiFi signal connection of the modem configured by the telecom operator.

2.3. Please install the camera within 20 meters of the router (if not, it is recommended that you buy an extender that improves WIFI)

2.4. When watching the video remotely on the mobile phone, please make sure that the network status of the mobile phone is good. If the phone network status is not good or the phone freezes, please restart the phone or re-open the APP to watch.

Notes:

- 2.5. When the camera is in the network distribution mode for a long time, and the blue light will keep flashing. In order to save power, the camera will automatically turn off after 5 minutes. If you need to turn it on again, please restart again.
- 2.6. When the camera is successfully connected to the router and the blue indicator light is on after the camera is started, and the mobile APP can receive the push message but cannot watch the real-time video, please restart the APP or install the camera near the router.
- 2.7. Please tighten the WIFI antenna, otherwise it may cause the network distribution failure or the video is not smooth.

3. About PIR Sensor

- 2.1. Please do not install the camera close to air conditioners, microwave ovens, strong air currents and strong electromagnetic fields to prevent false triggering caused by air currents and magnetic fields. If installed in these environments, please turn off the PIR sensor to achieve the best results.
- 2.2. The camera uses a dual algorithm of detecting human body induction and picture changes to determine whether someone is present in the monitoring area, so when installing the camera, please avoid objects with periodic changes in the picture, such as leaves, wind blowing national flags and other constantly moving objects .
- 2.3. When installing and fix camera, please fix it firmly. Please avoid false alarms due to the wind blows.
- 2.4. When installing the camera, please do not point the lens directly at the sun. The sunlight contains a lot of infrared rays, which will reduce the recognition rate of human body induction.
- 2.5. When the ambient temperature is 36.5-37°, the sensitivity of the PIR sensor will decrease slightly, and its distance will decrease slightly, which is normal.
- 2.6. The camera has a filtering effect on pets under 30kg. For example, the camera will not be triggered when the cat or puppy in the house passes the camera monitoring area.
- 2.7. Please refer to the installation angle and height in the manual to adjust, so that the PIR sensor reaches the best effect.

FCC Caution:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

About the User Manual:

The user manual is used as a guide.

The photos, graphic, charts and illustrations provided in the user Manual are only used to explanation and interpretation, which may be different from specific products, please refer to the real object.

The user manual maybe updated because of the products version upgrade or other requirements, if you need the latest version of the user manual, please contact customer service for the latest version of the user manual.