



4G LTE Cellular Solar Security Camera

Note: WIFI and bluetooth are not supported.

This 4G LTE security camera isn't your ideal choice if there's Wi-Fi in the place where you want to install it. Just like using your mobile phone, using this 4G LTE security camera requires you to pay.

Recommended places for use: Warehouses, barns, ranches, farms, construction sites, vacation homes, camping areas, wild areas, and RVs.

CHTBG12W

User Manual



Dear customer, thank you very much for choosing CHIBHOA. Before using our product, please read this manual carefully. We are always ready to assist you in any way we can. If you have any questions or concerns, please don't hesitate to reach out to us. Rest assured, we will get back to you within 24 hours.

 support@chibhoa.com

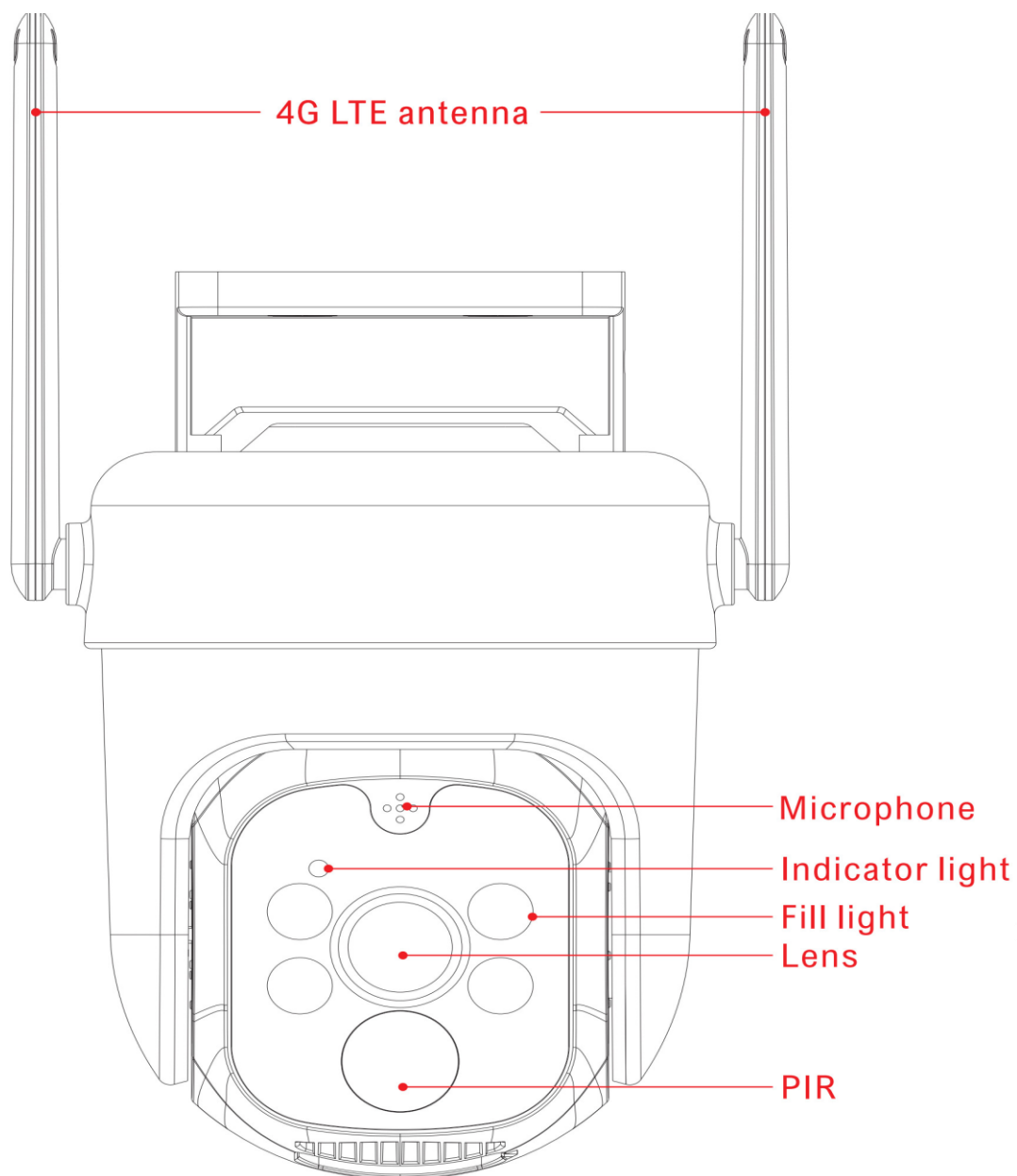
Catalogue

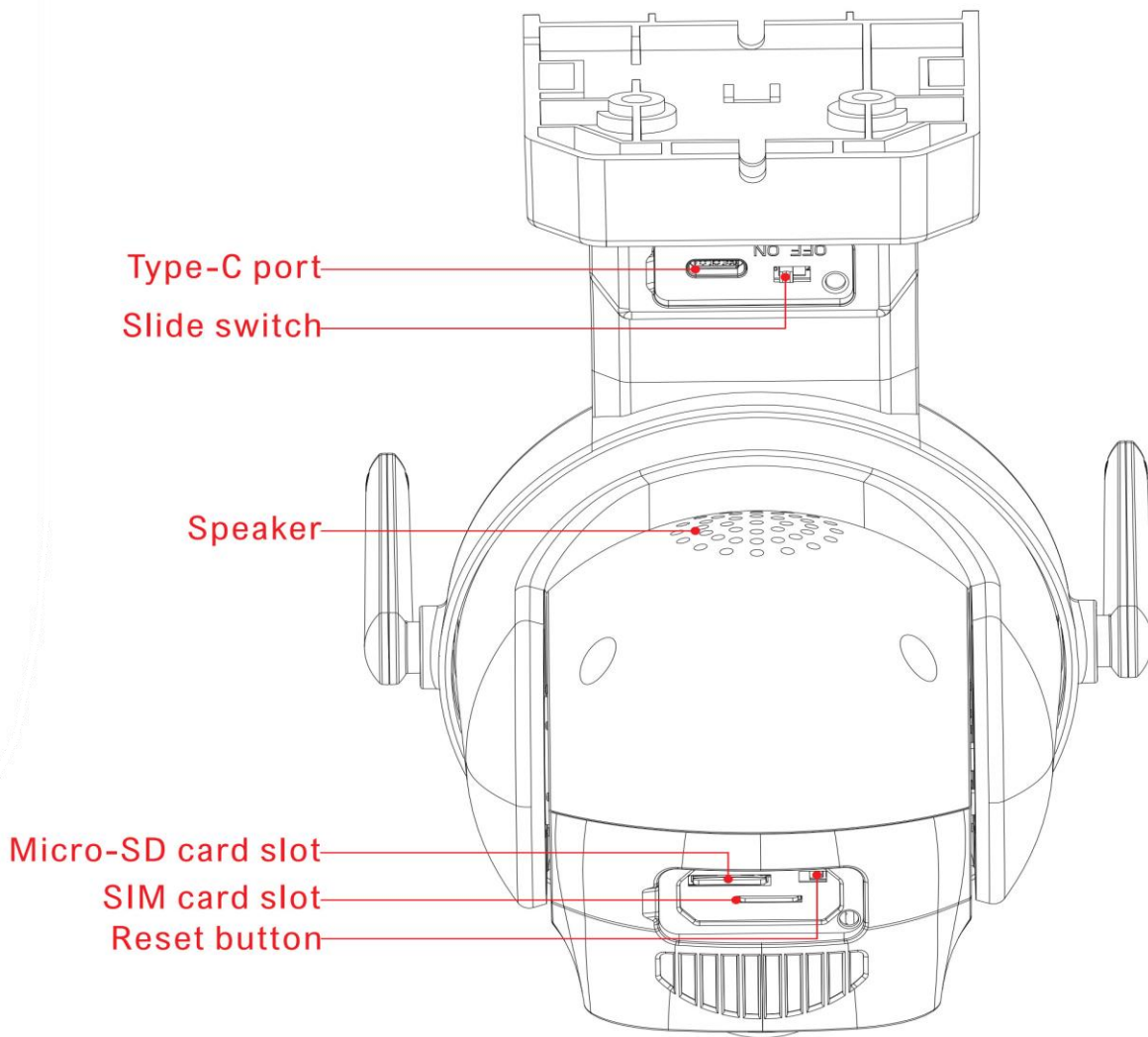
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1. What's in the box

1. Camera *1
2. Bracket for camera *1
3. Solar panel *1
4. Bracket for solar panel *1
5. Mounting screws kit *2
6. USB charging cable *1
7. Operation instruction*1
8. SIM card*1
9. Micro SD card*1

2. Product Appearance





Reset Button

Press and hold the button for over five seconds to restore the device to its default settings.

Micro-SD card slot

It supports SD cards with capacities of 8G, 16G, 32G, 64G, and 128G. (Please use branded cards with a Class 10 speed rating or above.)

Ensuring SIM card and SD card have been inserted into the card slot, press the rubber cover firmly for optimal waterproof seal.

3. Set up the camera app on the phone

1) APP installation

Use your smartphone or tablet to scan the QR code below to download and install "Eseecloud", app, then follow the App prompts to complete user registration.



Note: Apple requires IOS9.0 or above, and Android requires Android 5.1 or above.

2) Add 4G camera

(1) The 4G SIM card has been inserted into the SIM card slot of the device.



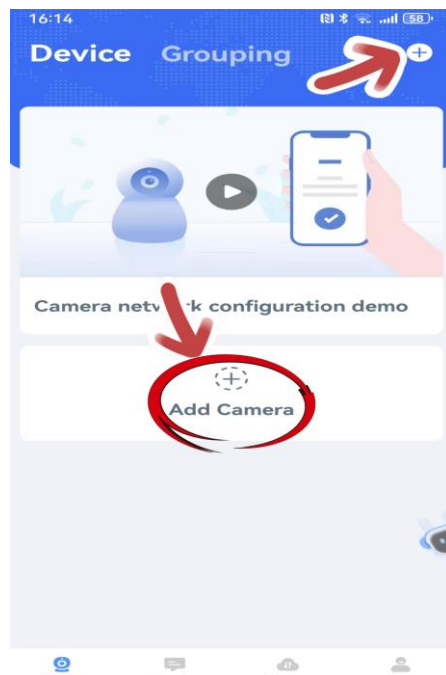
Note: Please use the 4G SIM card that comes with the product or another unactivated 4G SIM card. If you replace it with an already - activated 4G SIM card, it will cause the card to be locked.

(2) Turn on the power switch to power on the camera. Wait for the indicator light to turn bright and for the self - test rotation to end.

Note: Before powering on, please fully charge the device to ensure that the device powers on normally.



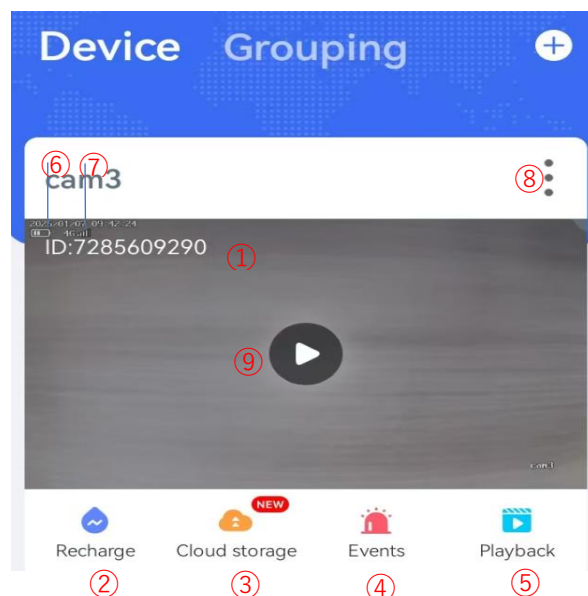
(3) After hearing the prompt sound of "4G network connection succeeded," click the "⊕" in the upper right corner of the screen (or "Add Camera" in the middle of the screen) to add the camera. Then scan the QR code on the device and follow the onscreen instructions to complete the initial setup.



- 4) After successfully adding the device, you can customize the device name and click "Finish" to view the monitoring screen.

4. Main menu

- ① ID of the device
- ② Click "Recharge", and then select the package to recharge.
- ③ Cloud storage: not suitable for the 4G camera.
- ④ Click "Events" to view the alarm events.
- ⑤ Click "Playback" to review the historical alarm events.
- ⑥ The battery level of the camera.
- ⑦ 4G signal strength.
- ⑧ Setting more function.
- ⑨ Tap "▶" to stream the camera feed.



5. Camera Settings

- (1) Tap the three-dot menu icon (⋮) located in the upper right corner, then select 'Setting'."

You can check the battery power and signal strength



- (2) Tap “ ⋮ ” in the upper right corner>Setting>Motion Detection Alert

>Motion detection alert

Please ensure this function remains enabled to receive alarm messages.

>Motion detection sensitivity

Set the alarm trigger sensitivity to low, medium, or high. Selecting 'high' will trigger alerts for even minor movements, whereas 'low' sensitivity may prevent the camera from alarming, leading to missed alert notifications and unavailable alarm records.

>Picture frames in human form

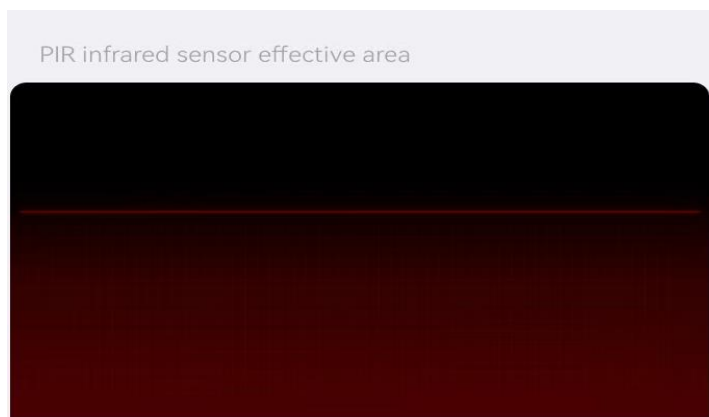
Mark people in the video using a frame. To save power, disable this function.

>Motion Tracking

When a person is detected, the camera automatically pans to track movement.

> Motion detection area setting

The camera is equipped with a built - in PIR sensor. Only moving objects with heat sources, such as humans, animals, and vehicles, can trigger recording. The lower two - thirds (the red area) of the camera's field of view serves as the motion - sensitive area of the image. Therefore, please adjust the camera's angle accordingly so that any motion you want to detect falls within this area of the image.



> Motion detection area setting>Custom detection area

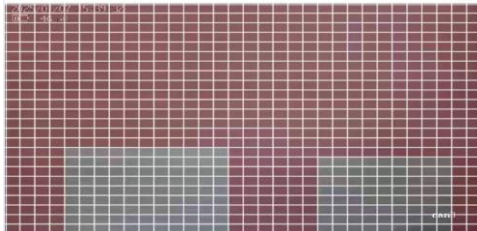
There are two custom detection area modes: area mode and cordon mode.

Area mode: If an object moves within the detection area, a motion - detection alarm will be triggered.

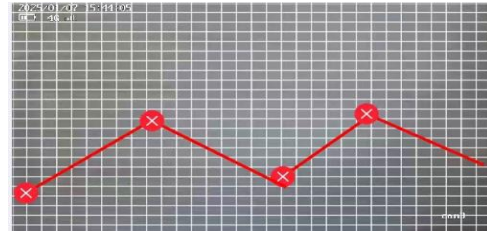
Cordon mode: When a moving object crosses the warning line, a motion - detection alarm will be triggered.

Please note that only the lower two - thirds of the field is available.

Area mode



Cordon mode



>Siren setting

If you turn on the siren switch, the camera will sound an alarm when a moving object is detected.

>White light alarm

Once you switch on the White Light Alarm, a white - light warning will be triggered upon the detection of human movement.

(3) Tap "⋮" in the upper right corner>Setting>Push message settings

> App push alert message

You won't receive any alerts unless you turn it on.

>Message push period

You are free to choose the exact time range for message pushing.

(4) Tap "⋮" in the upper right corner>Setting>4G card management

You can check the signal strength, carrier information, and ICCID.

(5) Tap "⋮" in the upper right corner>Setting>Recording setting

>Record mode

You can select the recording mode among "Optimal Battery Life", "Optimal Surveillance", and "Uninterrupted Recording."

>Video clarity

You can select video clarity between "SD video" and "HD video."

>Record only when human appears

To reduce false alerts caused by factors such as trees and light changes, please turn it on.

>Record sound

Please turn on the "Record Sound" option. If you don't, you'll miss out on the voices both in the live - view mode and when playing back the recordings.

(6) **Tap “ ⋮ ” on the upper right corner>Setting>Screen and sound setting**

>Night vision mode

You can select between "Full color night vision" and "infrared night vision". You can also choose high or low photosensitivity. If you select high sensitivity, it will be easier to switch to night mode.

>Invert the image

When installing the camera upside down, turn it on. However, to maximize the weatherproof performance, it is strongly not advisable to install the camera upside down.



> Device call volume

To adjust the volume of the camera's speaker, simply slide the speaker volume control and then tap "Confirm".

>Anti-Flicker setting

Select an appropriate refresh rate to resolve the issue of screen flickering/stripes. If there is no screen flickering or stripes, there is no need to make a selection.

>Privacy area

Protect your privacy by blocking parts of the screen with color blocks. You can choose up to four privacy areas and adjust their sizes.

(7) **Tap “ ⋮ ” on the upper right corner>Setting>PTZ control**

> PTZ speed

> PTZ calibration

Camera Self-checking

>PTZ control direction flip

(8) **Tap “ ⋮ ” on the upper right corner>Setting>Storage setting**

> Local storage space

Check the used capacity of the SD card.

>Download local video files

Download the video files to mobile phones, tablet PCs, etc.

>Format the memory card

If you format the memory card, it will erase all the recordings.

(9) **Tap “ ! ” on the upper right corner>Setting>Share device**

You can share the device with your friends by phone number or share it via a QR code.

6. Install the camera

Important Pre-Installation Charge Notice

For transportation safety, your camera ships with a factory-preserved minimal charge to reduce thermal risk during transit.

Before first use, fully charge the battery:

Charge time: 5–8 hours (using a standard and high-quality DC 5V battery charger).

Indicator: The LED will turn solid green when fully charged.

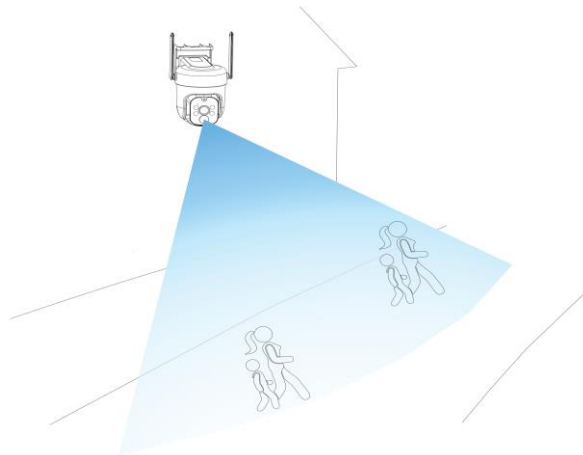
Once you've added the device to the app, it will show the battery status.

1) Select the installation area

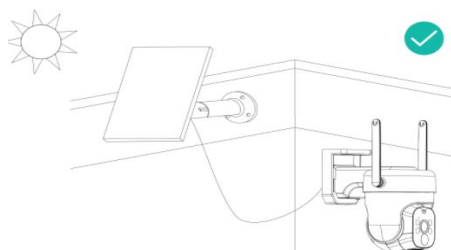
a) Please install the camera at a location with an unobstructed view to fully leverage the wide - angle capabilities. Additionally, ensure that the 4G signal strength in that area is relatively strong.

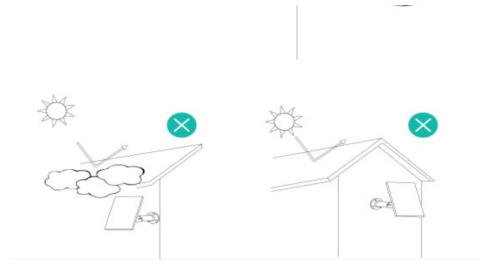
b) For outdoor use, install the camera facing upward to maximize its waterproof performance and the efficiency of the PIR motion sensor. If you aim to monitor motion in close proximity to the camera, such as near your front door, install the camera 7 - 10 feet (2 - 3 meters) above the ground. This will ensure that the subject appears in the lower two - thirds of the image.

c) The PIR infrared sensor is more sensitive to lateral movements within the camera's field of view than to movements directly towards or away from the camera. The optimal motion - detection range is 5 to 20 feet (1.5 to 6 meters) from the camera. To prevent false alarms, do not install the camera in locations where moving objects such as swaying leaves, bushes, and grass are within the PIR range.



d) The device is powered by a solar panel. To achieve better charging efficiency, choose an unobstructed installation location.





e) Avoid positioning battery-powered cameras directly toward sunlight, reflective surfaces, or bright artificial lights (e.g., floodlights).

Why? Bright light sources can overwhelm the camera's sensor, causing:

False motion alerts (as the lens adjusts to glare);

Overexposed footage;

Unnecessary battery drain from repeated sensor adjustments.

f) Do NOT mount the battery-powered cameras in areas with:

Frequent vehicle traffic (e.g., busy driveways, parking lots);

Dense, moving foliage (e.g., under deciduous trees, near wind-blown shrubs);

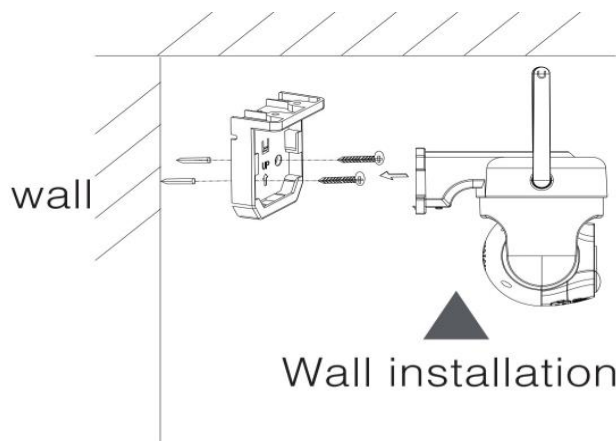
Insect swarms (e.g., near porch lights, outdoor dining areas).

2) Install the bracket

Note: A screwdriver or an electric drill will be needed.

a) Wall

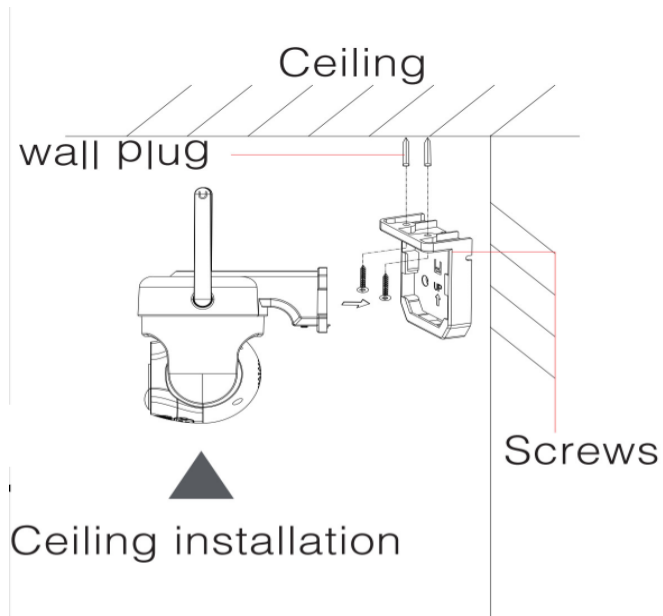
- Use a drill bit to drill holes where the bracket will be placed.
- If your wall is made of concrete, brick, or stucco, hammer the drywall anchors into the wall, then insert the screws. If your wall is made of wood or vinyl, you can omit the anchors and insert the screws.
- Attach the bracket to the wall.
- Attach the camera to the installed bracket and push it down to the bottom.



b) Ceiling

- Use a drill bit to drill holes where the bracket will be placed.
- If your wall is made of concrete, brick, or stucco, hammer the drywall anchors into the wall, then insert the screws. If your wall is made of wood or vinyl, you can omit the anchors and insert the screws.

- Attach the bracket to the ceiling.
- Attach the camera to the installed bracket and push it down to the bottom.



3) **Connect the solar panel to the camera**

Open the rubber plug of the camera, then connect the solar panel's DC output Type-C cable directly to the camera's Type-C charging port.

7. Indicator light status

Mode	Status
Real-time Viewing	Green light stays on steadily.
Network Error	Red light is flashing slowly
Charging mode	Green light is flashing slowly
Low power	Red light is on for 30s

8. Specification

Camera	
Image sensor	1/2.8 inch CMOS with primary color filter
Number of recorded pixels	Max. 2560X1440
Focus Distance	f=4.0mm
F/No.	F2.1
FOV	Diagonal: 106°; Horizontal: 88.9 °; Vertical: 47.5°
Minimum illumination	0.001 lux
Audio	
Audio input	Mic*1
Audio output	Speaker*1
Two way audio	Two way audio/intercom model
Audio compression	AAC, G711
Video	
Video compression	H.264
Frame rate	Main stream:2560*1440 @15fps; Sub stream:800×448 @15fps
Night vision	Infrared night vision and color night vision
Network	
4G	LTE:B2/B4/B5/B12/B13
Suitable countris	the United States
SIM Card	Included, support AT&T,T-Mobile, Verizon network
Recording	
Recording type	Alarm-trigger recording、Manual recording
Recording storage	Micro SD card slot (supports up to 128 GB)
Function	
Interlligent functions	PIR、Motion-triggered recording
Alert wake-up method	PIR detection wake-up, Remote active wake-up
PIR detection distance	22feet
PIR detection angle	100°
Alarm notification	Mobile phone app message push, camera white light flashing, and alarm sound warning
Pan/tilt angle	Horizontal 345°, Vertical 75°

Pan/tilt rotation speed	Horizontal 40°/s, Vertical 20°/s
Indicator light	RGB 3 color (Blue Yellow Green) LED
Battery	
Battery capacity	8000 mAh
Usage time	60 days (without solar panels, it records 20 videos during the day and 10 fifteen - second videos are recorded at night with the pan - tilt remaining stationary.)
Standby time	90 days (without solar panels, no triggering or live streaming)
Charging voltage	5 V \pm 5%
Charging current	1.5A
Charging time	10h
Protection method	Overcharging, over-discharging, overcurrent, short circuit, and high/low temperature charging protection
Environment	
Protection grade	IP65
Charging temperature	0 °C ~ 45 °C
Working temperature	-20 °C ~ 50 °C/10% ~ 80%RH (No condensation)
Storage temperature	-20 °C ~ 60 °C/ 0% ~90%RH(No condensation)

9. FAQ

1) **Which carriers is this 4G security camera compatible with?**

It supports T - Mobile, AT&T, and Verizon through the included EIOTCLUB SIM card.

2) **Can this 4G LTE camera be used with WiFi?**

No, it doesn't support WiFi. Only the 4G LTE network is available for use.

3) **Did you fail to add the camera for the first time? ?**

Verify that the SIM card is properly inserted. Check if the camera's green light flashes normally. If the camera's status light isn't flashing green, use a thumbtack to press and hold the reset button until the camera indicator starts flashing.

4) **What causes the poor signal of the 4G device?**

It could be due to an abnormal 4G card network or improper functioning of the card. If both your cellphone and the camera are using 4G cards from the same carrier, check if the 4G network of your cellphone is strong in the vicinity of the device.

5) **When you insert the SD card, does it prompt "Memory card error"?**

1. Currently, the device only supports memory cards with a capacity of less than 128GB and in the FAT32 file system. If the file system is incorrect, please format the card and select the FAT32 format.

2. The SD card is damaged or the file system is wrong, you should consider replacing or reformatting the SD card.

6) **Why does the video playback have intermittent content?**

To save SD card space and extend its service life, the device is set to record only when it detects activity. As a result, this intermittent playback situation occurs.

7) **Why does the camera show red lights when night vision is activated?**

A: When night vision is turned on, the built - in infrared lamp beads cause the camera to emit some dim red lights. However, the image quality remains clear in a no - light environment..

8) **Why does the camera frequently disconnect from or fail to connect to the network?**

A: Please check the 4G signal strength at the location where the camera is installed. You can use the signal strength indicator on your cellphone to assist in this judgment. Also, ensure that the SIM card is properly inserted.

9) **Can I use my own phone SIM card or a third - party SIM card?**

For maximum compatibility and signal strength, it is strongly recommended that you use the inserted SIM card rather than a third - party one. If you really need to use a third - party SIM card, please use an unactivated 4G card. If you replace it with another activated 4G card, it will cause the card to be locked. Please make sure that the SIM card is inserted in the correct direction as shown in the picture and is fully inserted into the slot.

10) **Can the inserted SIM card be used in other electronic products?**

The SIM card inserted in the camera is only compatible with this 4G camera. Please do not use it in other electronic devices.

11) **When the memory of the memory card is full, will the camera stop recording?**

No, it will not stop recording. The recording function of the camera's memory card supports loop recording. When the memory card is full, the camera will automatically delete the oldest video files and record new ones.

12) **Can the camera record sound when recording to a memory card?**

Yes, it can record sound. However, if the voice intercom function is used during the recording process, the voice during the intercom will not be recorded.

10. Safety

Non-Removable Battery Warning

This camera features a sealed, non-removable internal battery (factory-installed for safety and waterproofing).

⚠ Do NOT attempt to disassemble or remove the battery – tampering voids the warranty and risks fire/electrolyte leakage.

Temperature Operating Limits

Mode	Temperature Range	User Impact
Operation	20°C (-4°F) to 50°C (122°F)	Full functionality; expect 10–20% shorter battery life at extremes
Optimal	5°C (41°F) to 25°C (77°F)	Max 12-month battery lifespan; minimal self-discharge

Safety & Failure Indicators

Do NOT charge/use if any of these occur:

⚠ Abnormal signs:

- Chemical odor or smoking
- Swelling/deformation (battery bulge >2mm)
- Excessive heat (>60°C to touch)
- Discoloration (black/brown spots on casing)

Immediate Action:

1. Power off + unplug charger **within 10 seconds** of detection.
2. Isolate the camera in a fireproof container (e.g., metal box) for 24 hours.

Charging Best Practices

Avoid charging near ignition sources:

- ✗ Heaters ($\geq 1\text{m}$ away)
- ✗ Stoves/fireplaces ($\geq 3\text{m}$ away)
- ✗ Smoking areas (lithium batteries ignite at 200°C sparks).

Charge in well-ventilated spaces – avoid enclosed cabinets (ventilation reduces thermal runaway risk by 70%).


End-of-Life Disposal

Ensure compliance with local waste management and recycling regulations for this lithium-ion battery .

Never incinerate or crush – risk of explosion/chemical release.

11. Technical Support

If you need any technical help, please mail to support@chibhoa.com

 Pro Tips for Faster Help:

- 1) Include your product model .
- 2) Attach screenshots/logs of errors.

FCC Statement

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 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.

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

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.