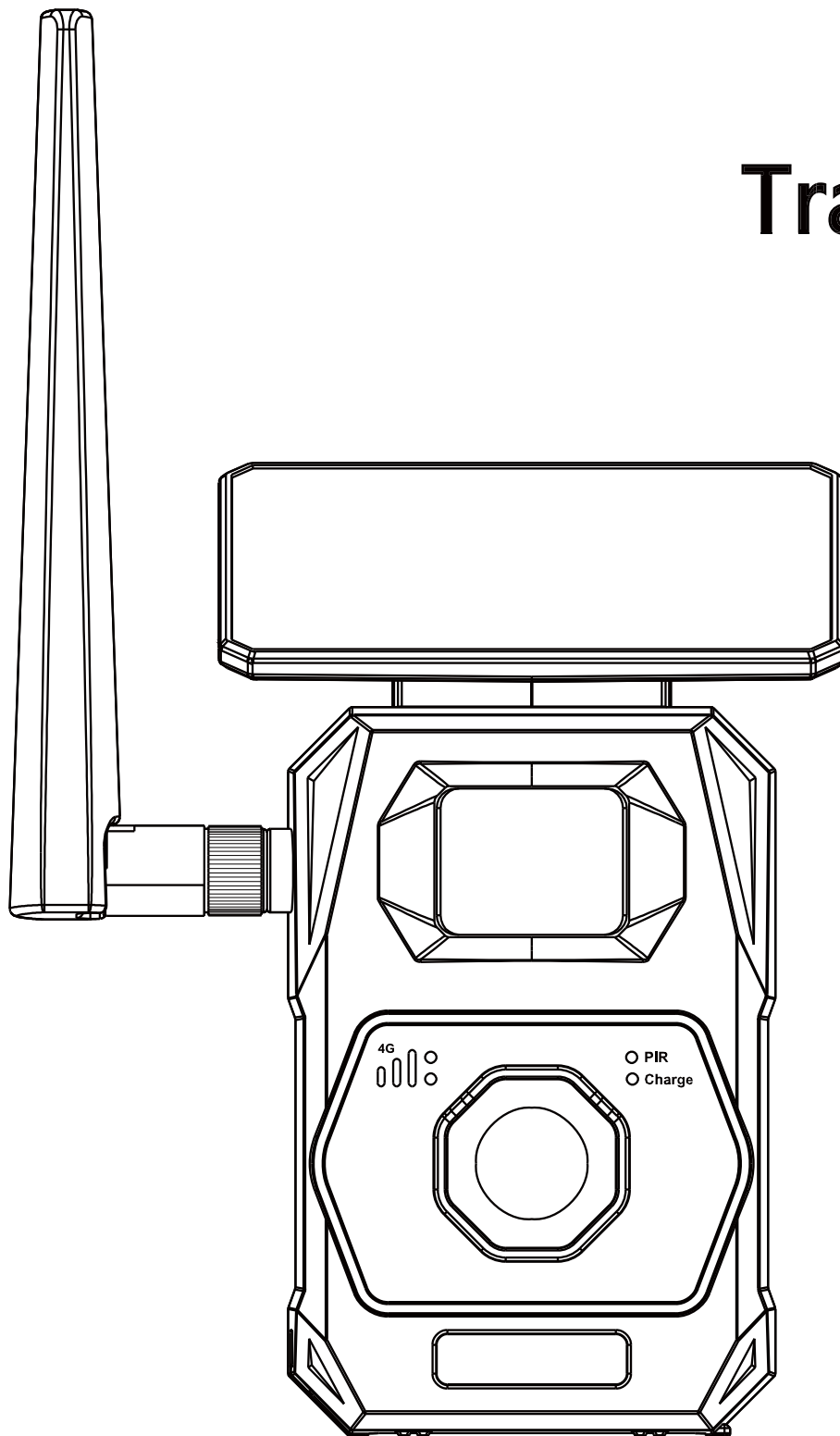# Trail Camera

PH970G

Instruction Manual

Thank you for your purchase. Please read all instructions carefully before using the trail camera, and save this manual for future use. Product design and specifications shown may differ by model and country.

Please Activate the 1-Year Warranty

Email service@assark.com

Subject #Activate the Warranty + Micro SD Card Reader#

Amazon Order ID

🎁 Limited quantities, first come first served!

Why Do You Need to Activate?

In case you meet the following problems:

❯ Don't know how to contact customer service

❯ Request a return or refund but Amazon return window is closed

❯ Other reasonable situations

Get the Benefits Below After Activating the Warranty

❯ Professional customer support & quick guide video

❯ Refund or replacement without returning the item

❯ Be a VIP customer to enjoy VIP benefits

Basic Setup

To set up your camera quickly, please watch the video via the link: **https://www.youtube.com/@AssarkService/videos**

Or scan the QR code:

SCAN ME

❯ If you have any problems or need any help, please feel free to contact us with your order ID. We will get back to you within 1 business day.

❯ **Contact Us:**

- **Email (Recommended):** service@assark.com
- **Amazon Message**

Contents

Contents

1. Precautions for Use

Read all safety notes and helpful tips before using the camera.

1.1 Safety Notes

1. The device is only designed for wildlife observation, hunting, and security monitoring. Do not use it for any other purpose.

2. Do not immerse the camera into water.

3. Do not disassemble the camera, please feel free to contact our customer service for help.

4. Do not use the different type of power source, it may result in fire or electric shock.

5. Always disconnect the power supply during a thunderstorm/a lightning.

1.2 Helpful Tips

1. Before first-time use, remove all protective films on the IR LEDs, lens, and PIR sensor. Charge the built-in battery with the USB type C charging cable (included) and 5V wall charger (not included) for around 6 to 8 hours. The green light stays on while charging, it turns off when fully charged.

2. The solar panel may not work well at low temperature or in low light conditions, it is recommended to use in sunny places.

3. Remove obstructions in the detection range to avoid overexposure when IR LEDs flash.

4. To prevent damage, never subject the camera to heavy shocks and do not shake or drop it.

5. The device is not intended for use by children. Keep out of the reach of children.

2. Box Contents
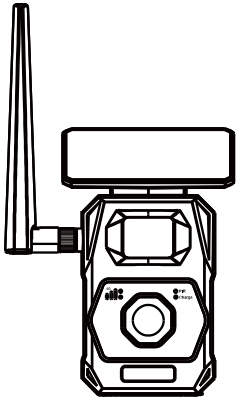
PH970G Trail Camera with Solar Panel (1)

USB Type C Cable (1)
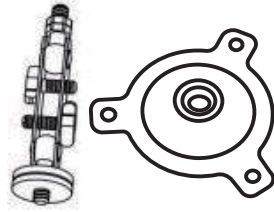
Wall Mount Kit (1)
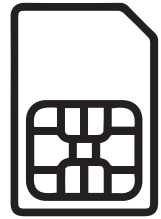
SIM Card (1)

Adjustable Strap (1)
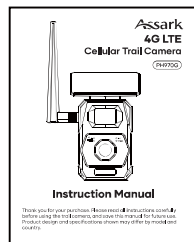
Instruction Manual (1)
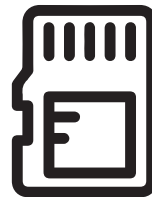
64GB TF Card (1)

Screw Pack (1)

Tweezers (1)

SIM Eject Tool (1)

*The TF card is installed in the camera.

Note:

1. Remove all package materials before first-time use.

2. **Caution!** To avoid danger of suffocation, keep package materials away from babies and children.

3. Camera Overview
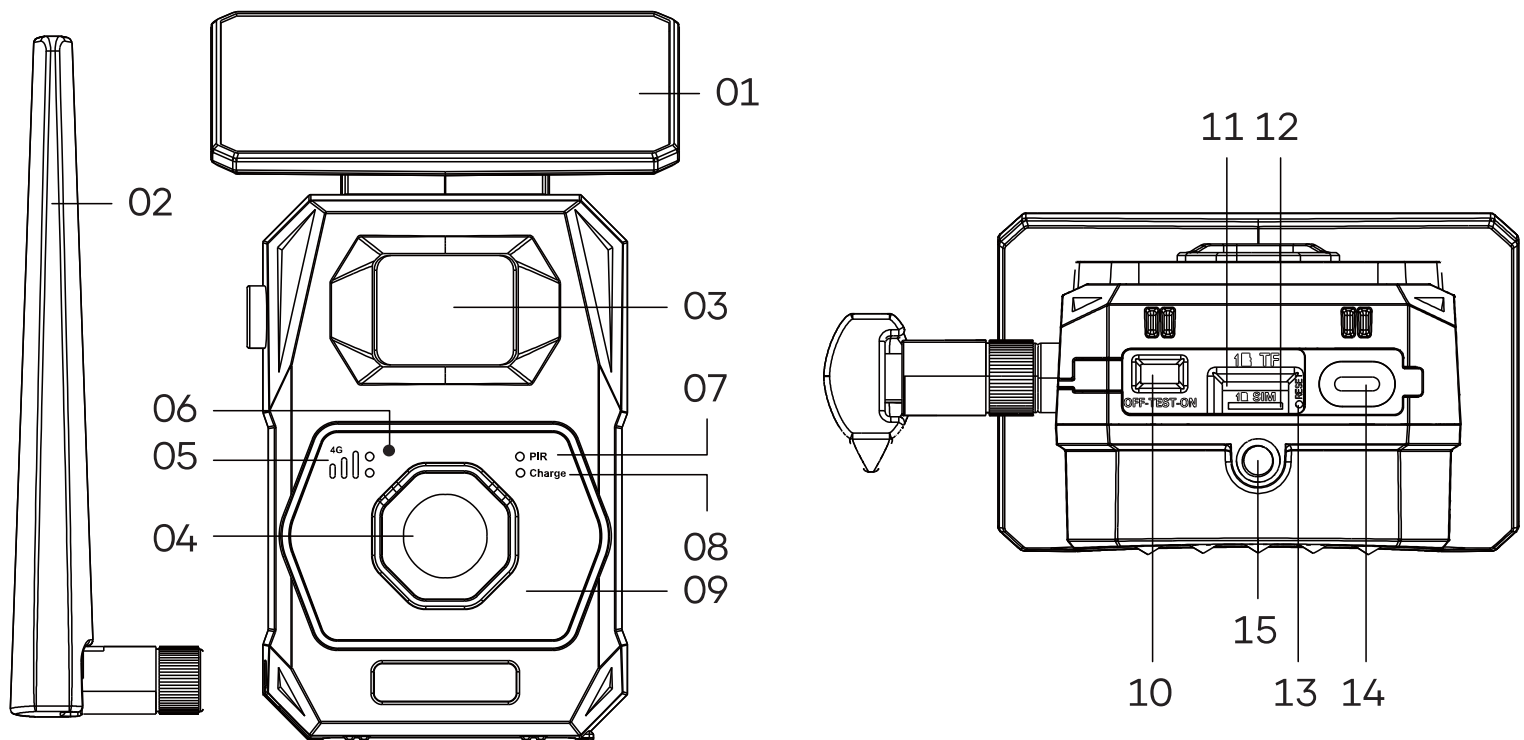
1. Solar Panel
2. Antenna
3. PIR Sensor
4. Camera Lens
5. 4G Indicators
6. Light Sensor
7. PIR Indicator
8. Charging Indicator

9. Infrared LEDs
10. Power/Mode Switch
11. TF Card Slot
12. SIM Card Slot
13. Reset Hole
14. USB Type C Port
15. Tripod Socket

4. Before You Get Started

There are some important notes about the battery, TF card, SIM card, Cloud service and 4G connection you should be aware of, before you begin learning how to use your trail camera.

4.1 Built-in Battery

The camera features a rechargeable built-in 5200mAh battery. To charge the battery, plug the small end of the supplied USB type C cable into the type C port on the camera, plug the large end into a USB port on the computer or on the USB wall charger (5V, charging time: 6 to 8 hours).

Charge the battery before first-time use. The green light is illuminated while charging, and it turns off when fully charged. You can check the battery level in the **Ucon App**.

4.2 TF Card

Be sure to use a TF card (maximum supported capacity: 128GB) for data storage. Before use, please format your TF card in the camera in case it may not work with the camera.

Switch off the camera before inserting or removing the TF card. Insert the TF card into the TF card slot until you hear a click. To remove the TF card, gently push in the card to release.

4.3 SIM Card

Switch off the camera before inserting or removing the SIM card. Insert the SIM card into the SIM card slot until you hear a click. Make sure the chip of the card faces up as shown in the picture:
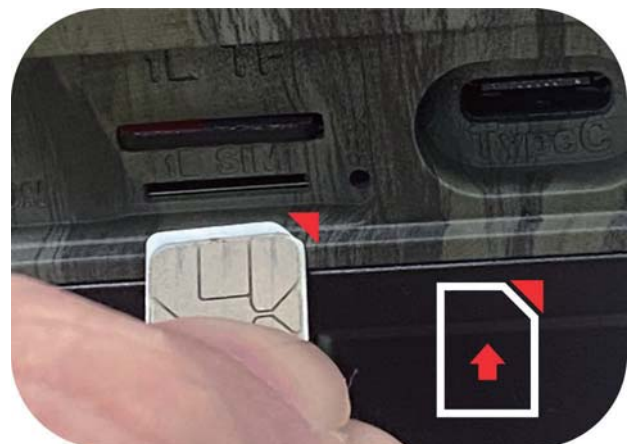
To remove the SIM card, gently push in the card to release. Please kindly note that the camera App cannot work properly if the SIM card is not installed in the camera.

4.4 Cloud Service

Cloud service is mainly used to expand the storage capacity of your camera. You can subscribe to the service if needed. If you do not need Cloud service, please insert a TF card to get more storage.

4.5 4G Connection

For better performance, the camera must be installed in the range of 4G signal coverage. Poor signal may lead to image/video transfer failed. Camera's power consumption will increase due to prolonged connection time.

5. Power/Mode Switch

Power/Mode switch has 3 operational modes: "OFF", "TEST", and "ON".

Power/Mode Switch	Functions
"OFF" Mode	Move the Power/Mode switch to "OFF": 1. The camera is turned off. 2. Insert or remove a TF card/SIM card. 3. Connect to an external device or a power source. 4. Charge the camera.
"TEST" Mode	Move the Power/Mode switch to "TEST", the red PIR indicator turns on for few seconds, then turns off. This red PIR indicator is illuminated only when detecting movement. In "TEST" mode, the camera does not take pictures or record videos. This mode allows you to check if the camera and 4G network work well. See "**Working Status of 4G Indicators**" under "**Troubleshooting**" for details.

|	
"ON" Mode	After downloading the **Ucon App** on your phone, install the TF card and SIM card. Move the Power/Mode switch to "ON" and connect to the App (**please approve App permissions and let App access certain parts of your phone, e.g. Bluetooth**). You can change the camera settings, view and download photos and videos in the App. The camera starts working when it is in "ON" mode.

6. Setting Up the Camera Connection

6.1 Downloading the Ucon App on Your Phone

Before using the camera, use your phone to scan the QR code below to download the **Ucon App** from the App Store (iPhone) or Google Play (Android).

6.2 Creating a New Account

You need to create an account using the **Ucon App**. The camera allows 4 people to use the App at the same time. After creating an account, if you forget your password, click "Forgot password" and you can retrieve the password from registered email.
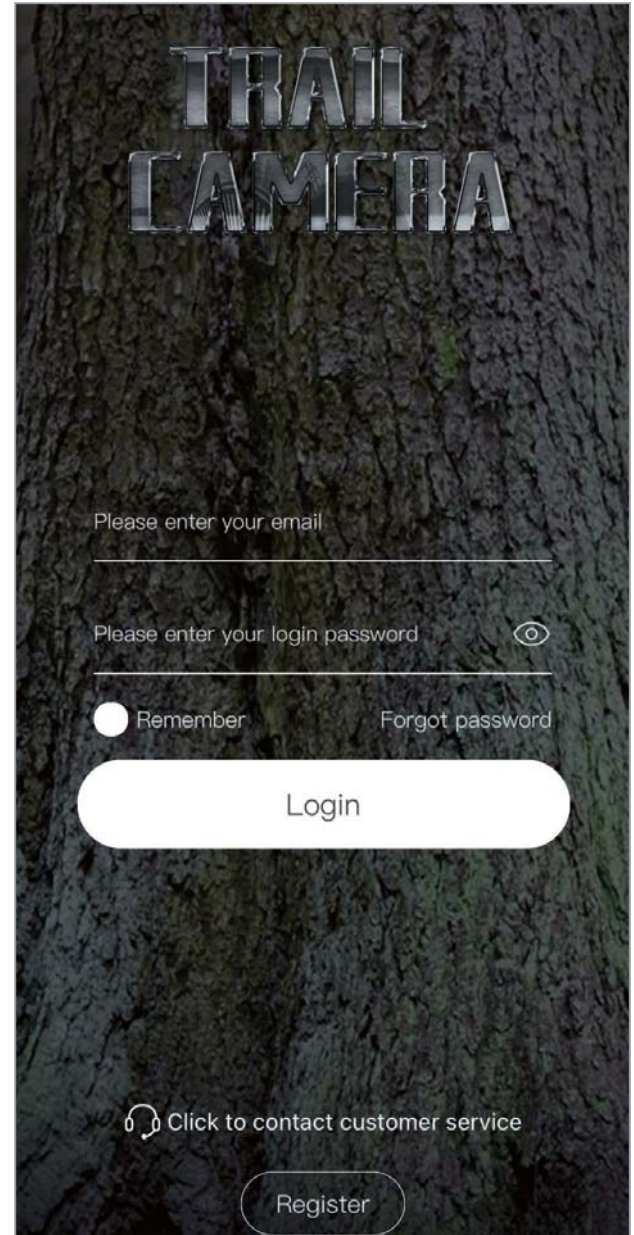

6.3 Installing a SIM Card

Screw the antenna tightly if not pre-install. (The TF card is installed in the camera.) Insert a SIM card with the chip facing up as shown in the picture:
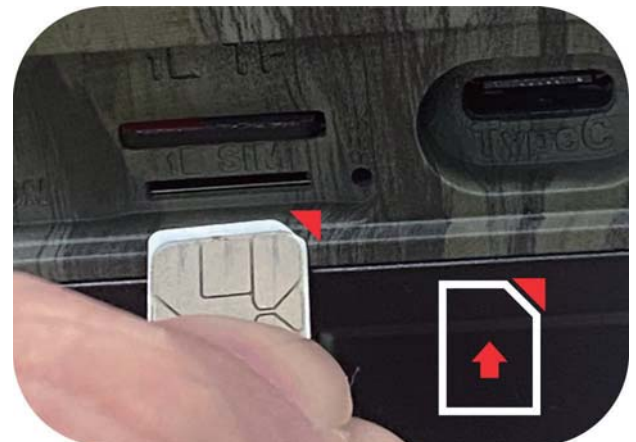
6.4 Adding Your Camera

• 6.4.1 The Easy Way (Recommended)

Make sure your camera is in "ON" mode and the Bluetooth on your phone is turned on. Open the App, click "⊕" in the upper right corner. A pop-up window appears (it said "New device found, do you want to configure it"), press "OK" and follow the instructions to add your camera. It takes less than 1 minute.
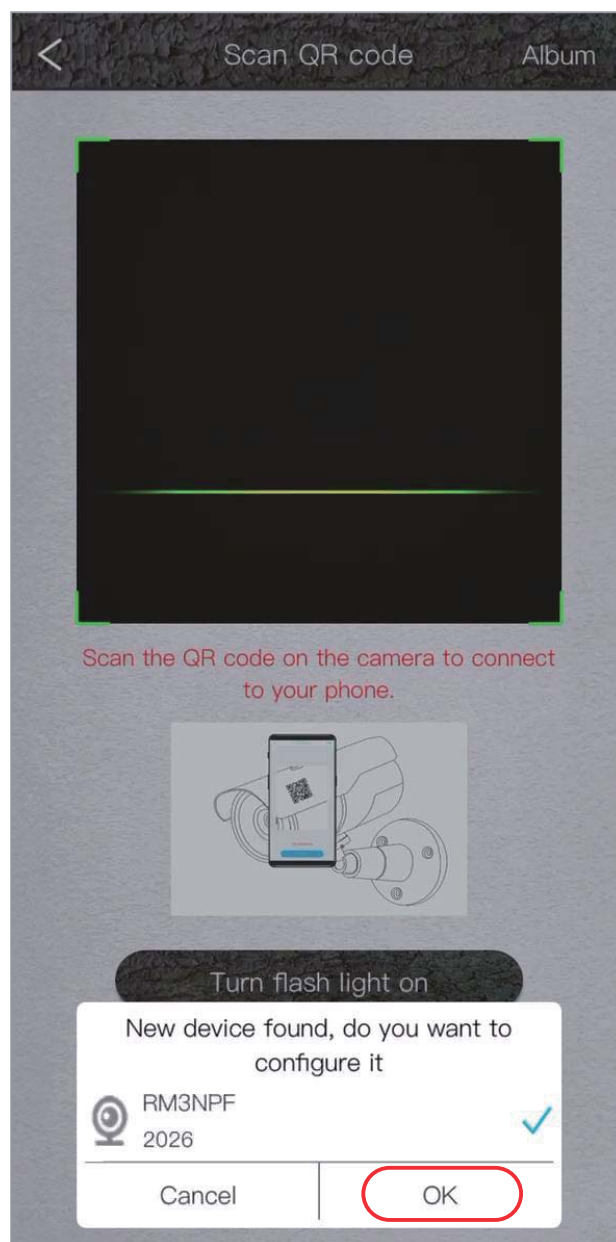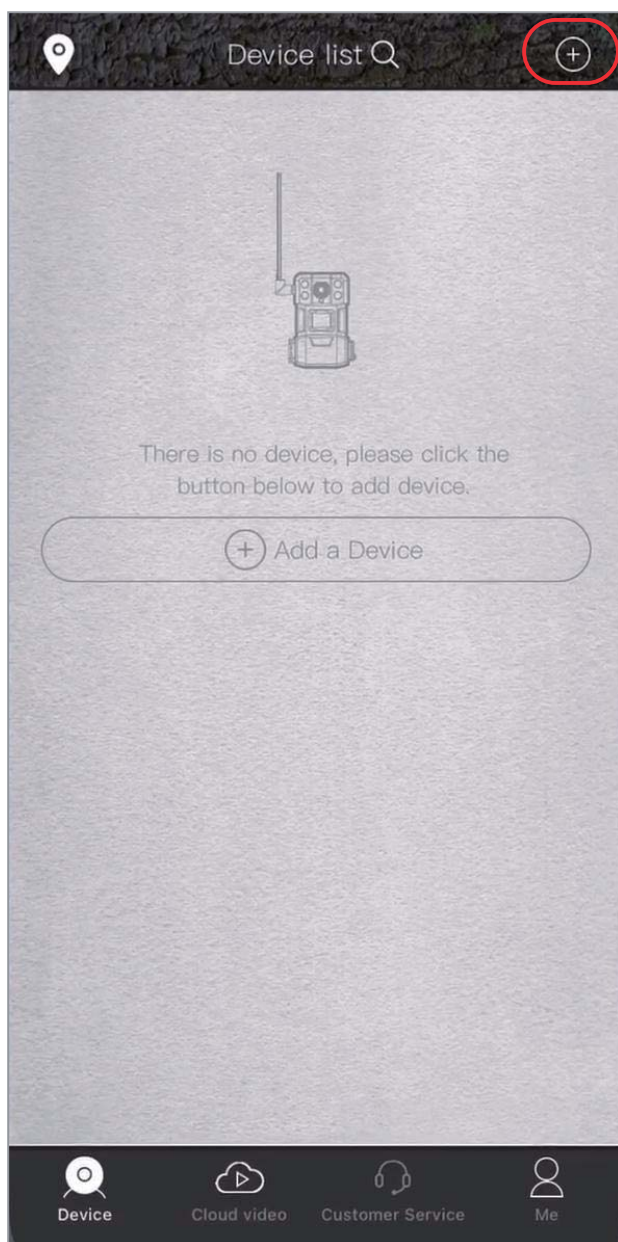
After the connection is successful, the camera's status will display "online" in the App.

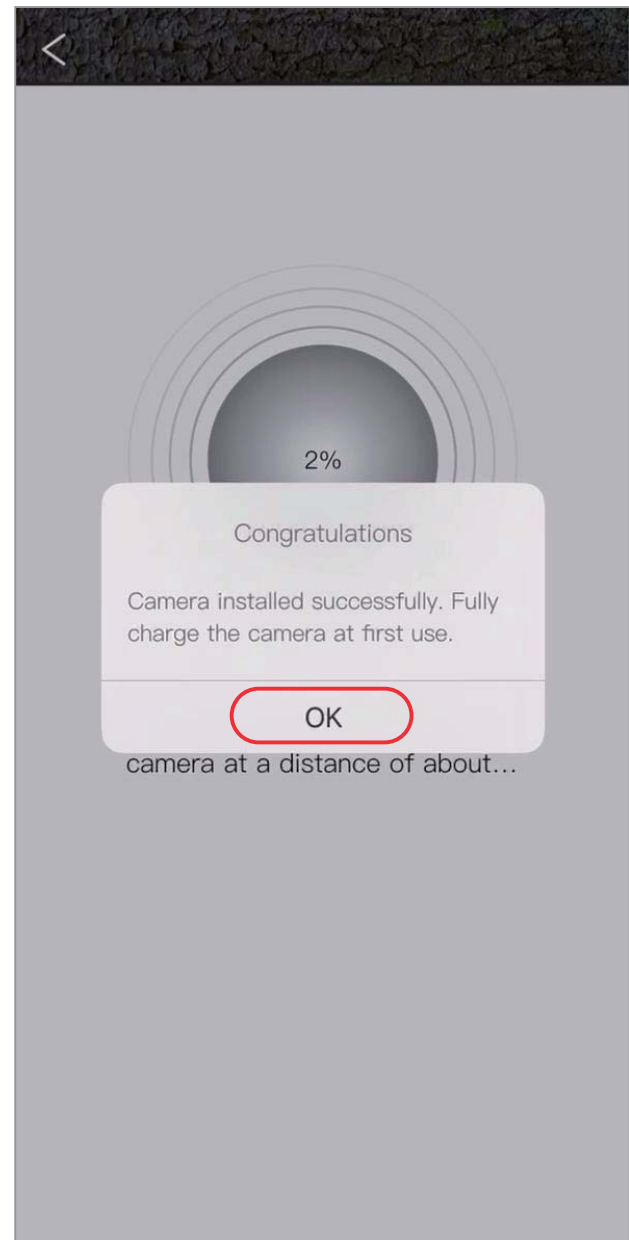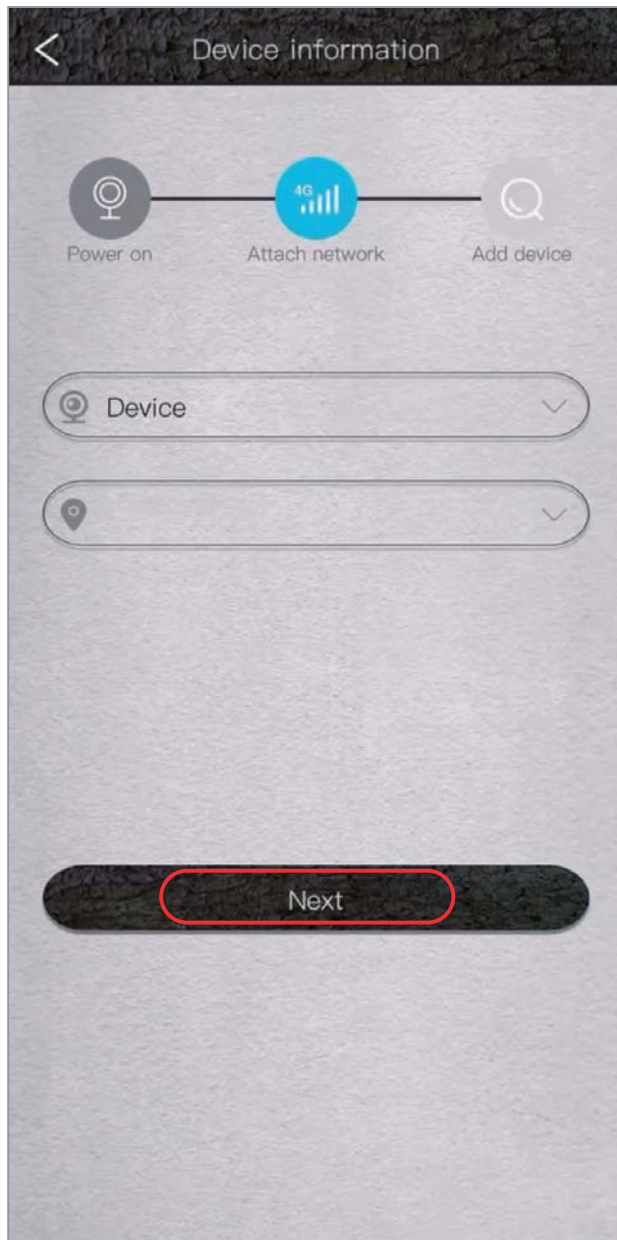**Note:**

1. When you connect the camera for the first time, the distance between camera and your phone should be less than 15 meters (50 feet) without obstacles. The camera has the fastest connection speed within 1 meter.

2. Make sure you allow the App to access Bluetooth or other certain parts of your phone if needed before setting up a connection.

3. If there is no pop-up window, please check whether your SIM card is installed correctly.

• 6.4.2 The Difficult Way (Not Recommended)

You can scan the QR code on the camera to connect it by completing the following steps.

Step 1:

Make sure your camera is in "ON" mode and the Bluetooth on your phone is turned on. Open the App, click "⊕" in the upper right corner.

Step 2:
Scan the QR code on the camera. Adjust the distance between phone camera lens and QR code from 15 to 25cm until the QR code is scanned successfully. Follow the instructions, click "Next".

Scan QR code   Album

4G Trail Camera
App: UCon
Input: Type-C
UID:77IGS2WSUERCA5NQVVFA
S/N:UDX250108G150879
Made in China

Scan the QR code on the camera to connect to your phone.

Turn flash light on

Discover devices

Insert the SIM card, install the camera, then power on the device. The blue LED will light up **after about 1 minute**. Click Next.

Blue light is constantly on

Next

Blue light isn't constantly on,click here

Step 3:

Follow the instructions to connect the camera. Click "Finish" and then click "OK". It takes less than 1 minute.
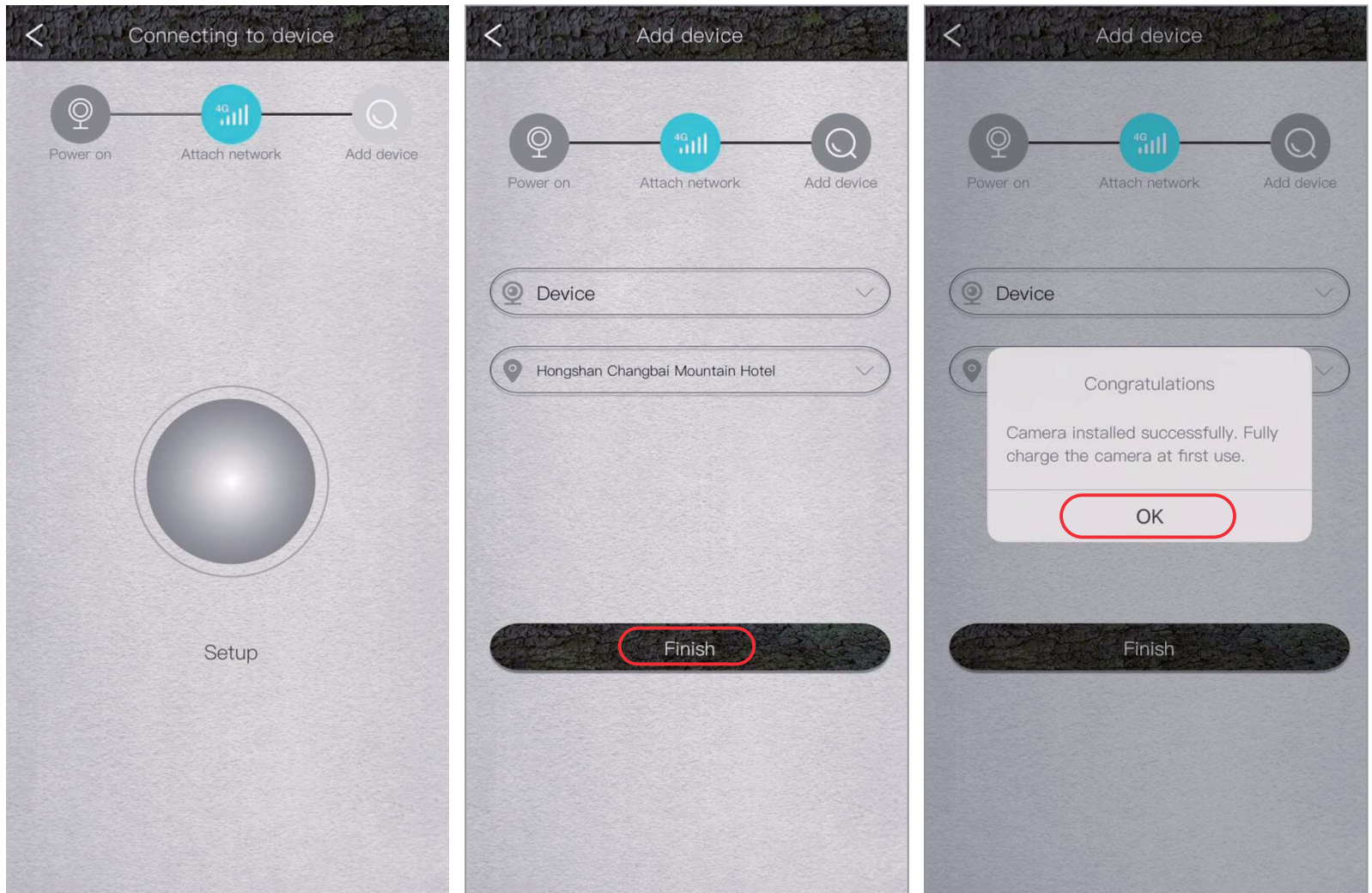
After the connection is successful, the camera's status will display "online" in the App.
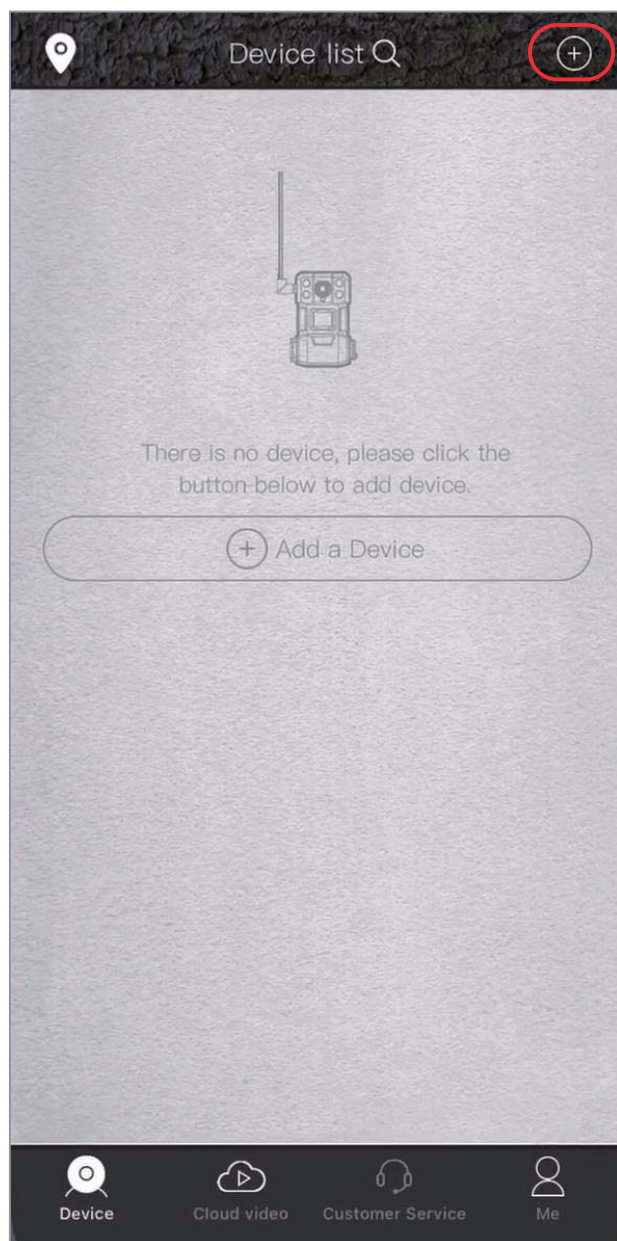
Note:

1. When you connect the camera for the first time, the distance between camera and your phone should be less than 15 meters (50 feet) without obstacles. The camera has the fastest connection speed within 1 meter.

2. Make sure you allow the App to access Bluetooth or other certain parts of your phone if needed before setting up a connection.

3. If there is no pop-up window, please check whether your SIM card is installed correctly.

• 6.4.3 Failed to Add Your Camera

Make sure you have updated Ucon App and your phone's operating system (e.g. iOS/Android) to the latest version first! If the adding process fails, please follow the steps below:

1. Reset your camera: insert the SIM eject tool into the Reset Hole on the camera, press and hold it for 5 seconds until you hear the voice prompt ("System Reset").
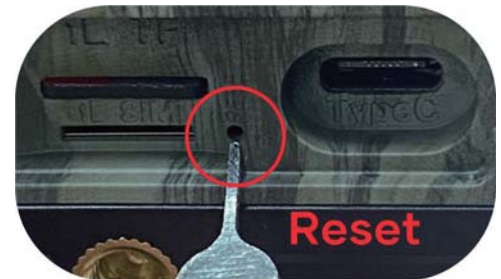
2. Delete the device information in the App ("Device" - "⚙" - "Delete device").
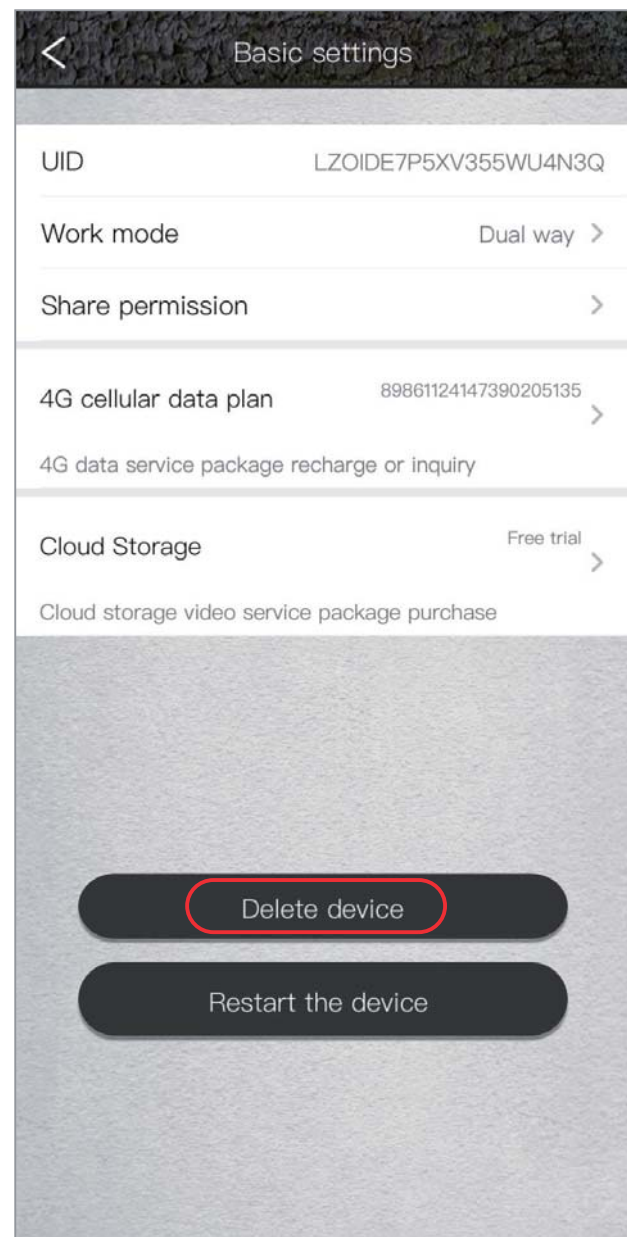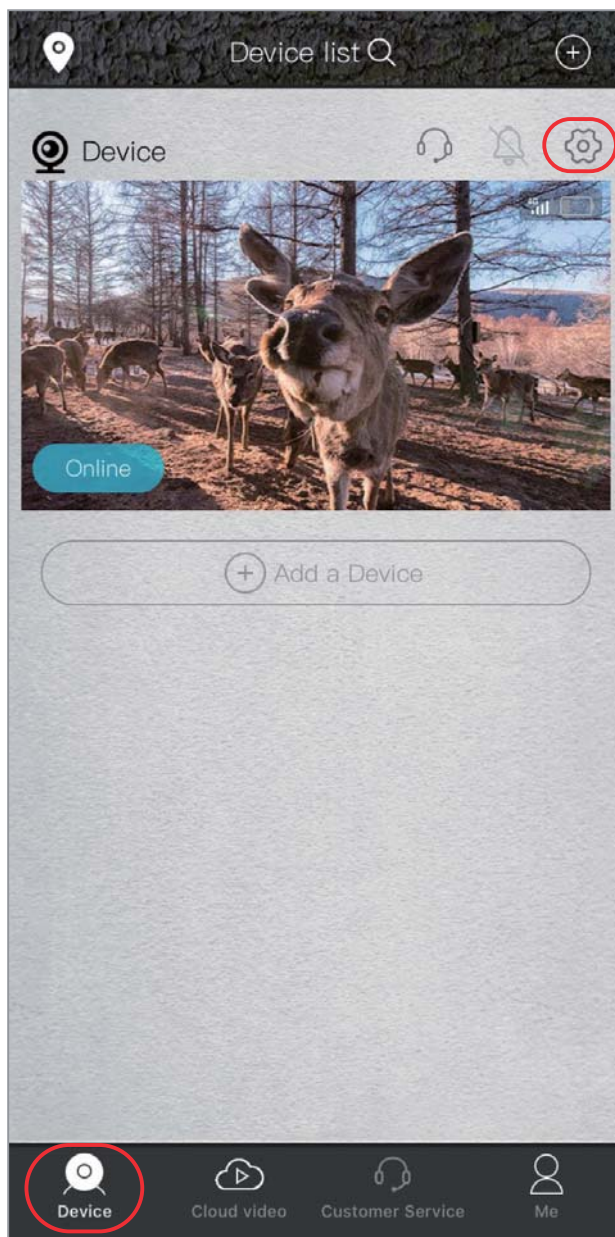
3. Try adding again according to the above methods. After the connection is successful, the camera's status will display "online" in the App.

4. When you are unable to watch the video using other networks outdoors, please swipe down to refresh the page.

If you have any further problems or need any help, please send an email to us at **service@assark.com**
We will get back to you within 1 business day.

7. Setting Up Your Camera in the App
7.1 About "Me"
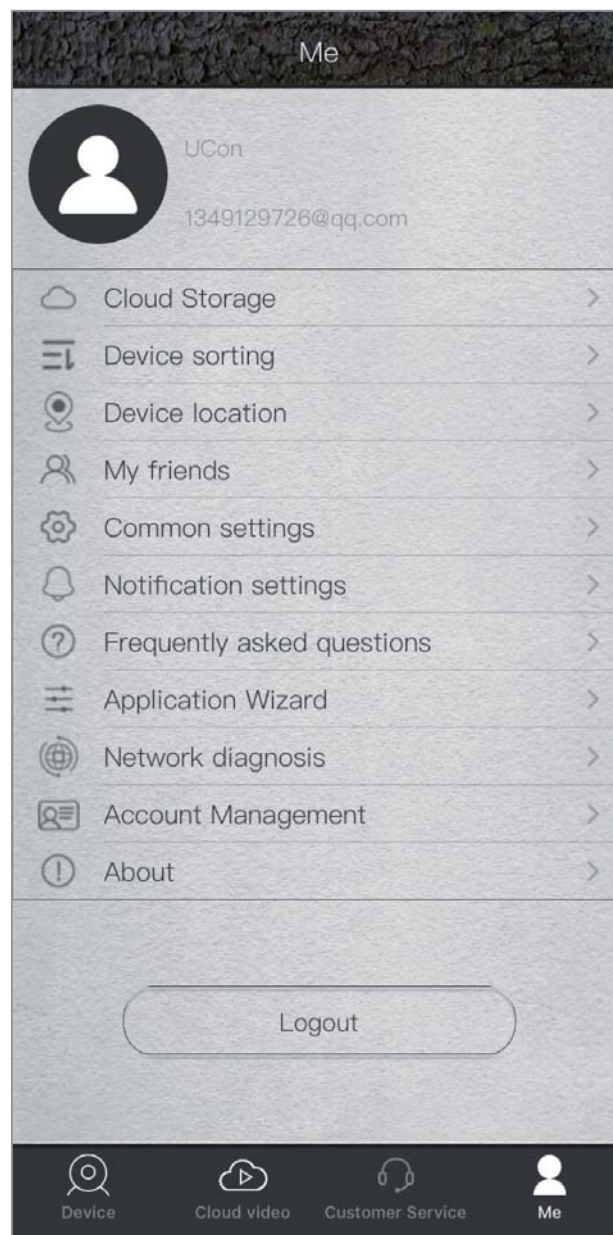
Cloud Storage: Select the subscription you want to add.

Device sorting: View all added device(s).

Device location: View camera's location.

My friends: View friends and share device.

Common settings: Change common settings of your camera, such as volume, battery power, alarm, two-way talk and other functions.

Notification settings: Turn on/off push notifications.

Frequently asked questions: View frequently asked questions and answers.

Application Wizard: Help you use the App.

Network diagnosis: Diagnose network conditions.

Account Management: View and change account information, such as user name and password.

About: View App version, read User Agreement and Privacy Policy.

7.2 About "Customer Service"
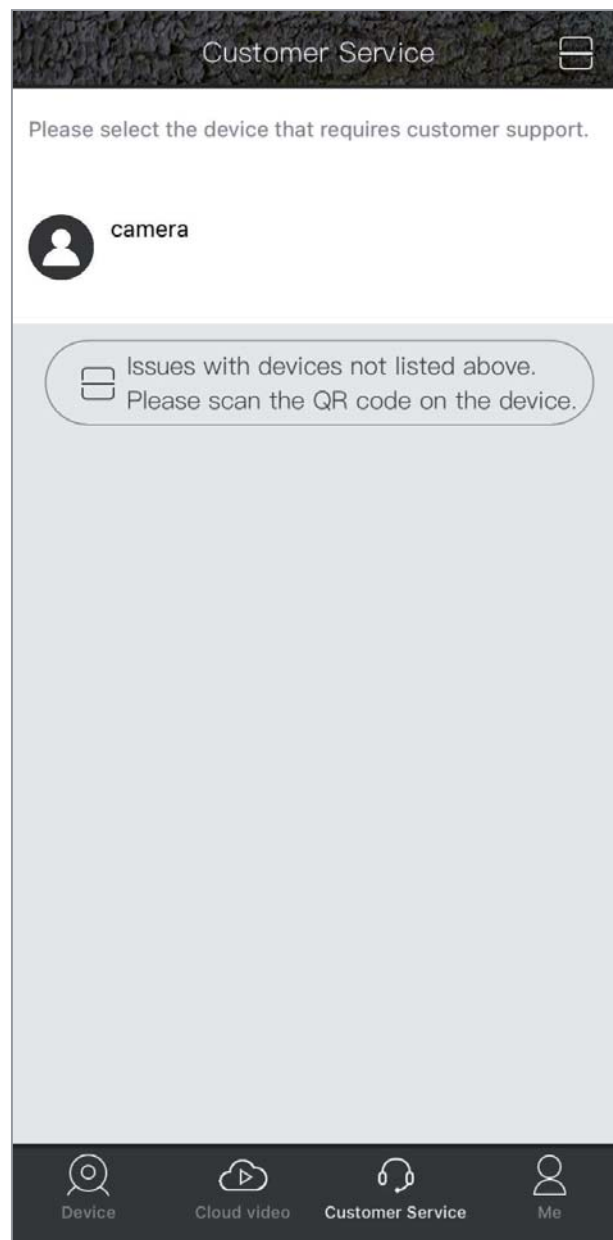
If you have any further problems or need any help, contact online customer service in the App, or send an email to us at **service@assark.com**

7.3 About "Cloud Video"

Watch the videos stored in the Cloud.
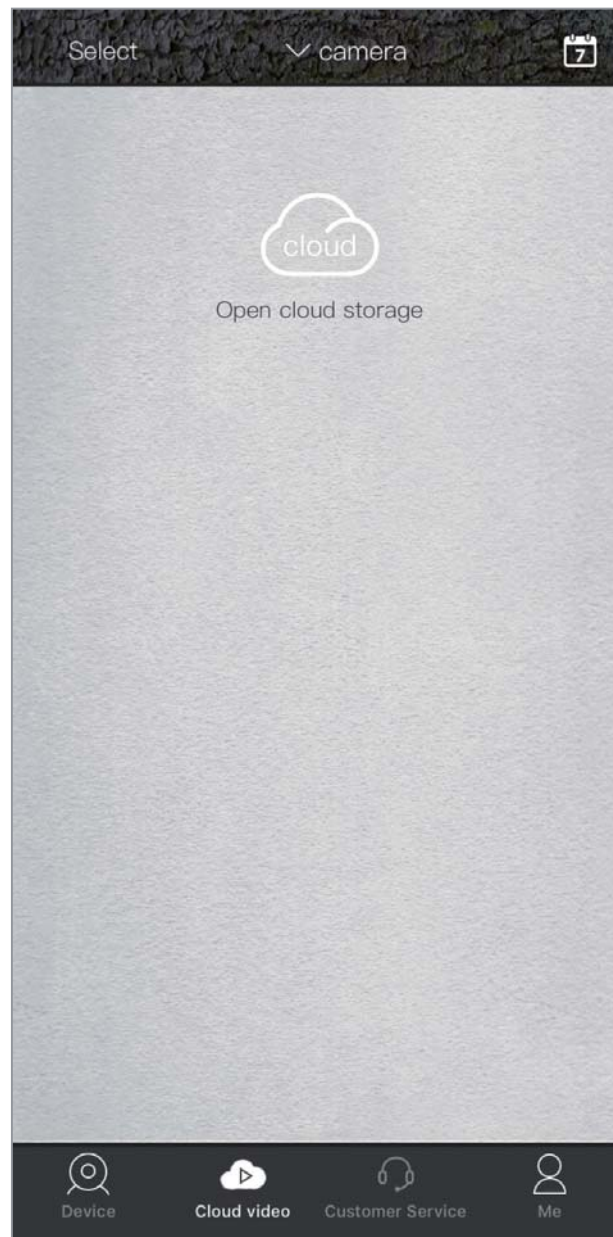
7.4 About "Device"

7.4.1 Adding Location

Click " 📍 " to add location.

7.4.2 Turning On/Off Push Notifications

Click " 🔔 " to turn on/off push notifications.

7.4.3 Basic Settings

Click " ⚙ " to view basic settings. You can share the device's QR code with others ("Share permission"), restart or delete device here.
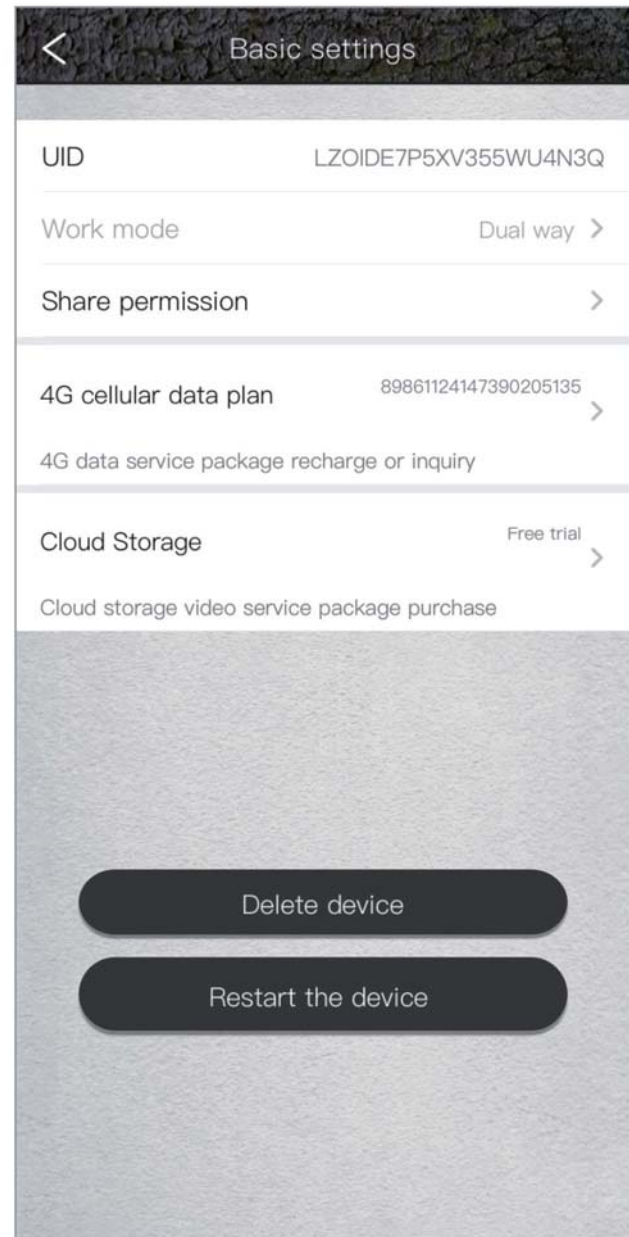
7.4.4 Sub-Menu

Click camera name to enter the sub-menu.
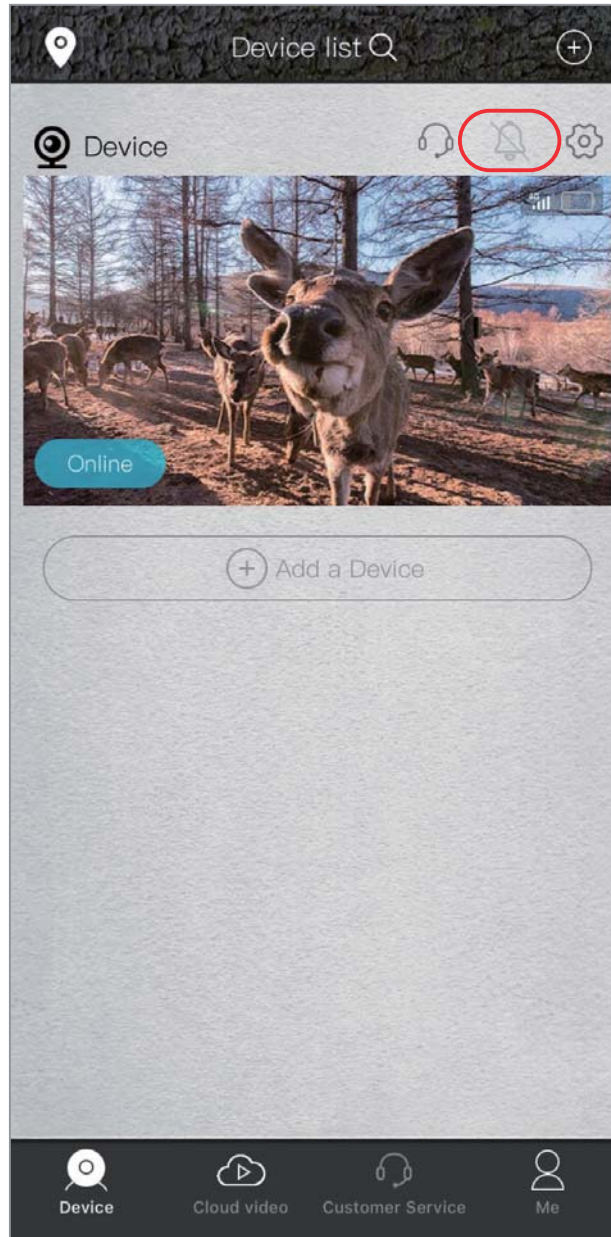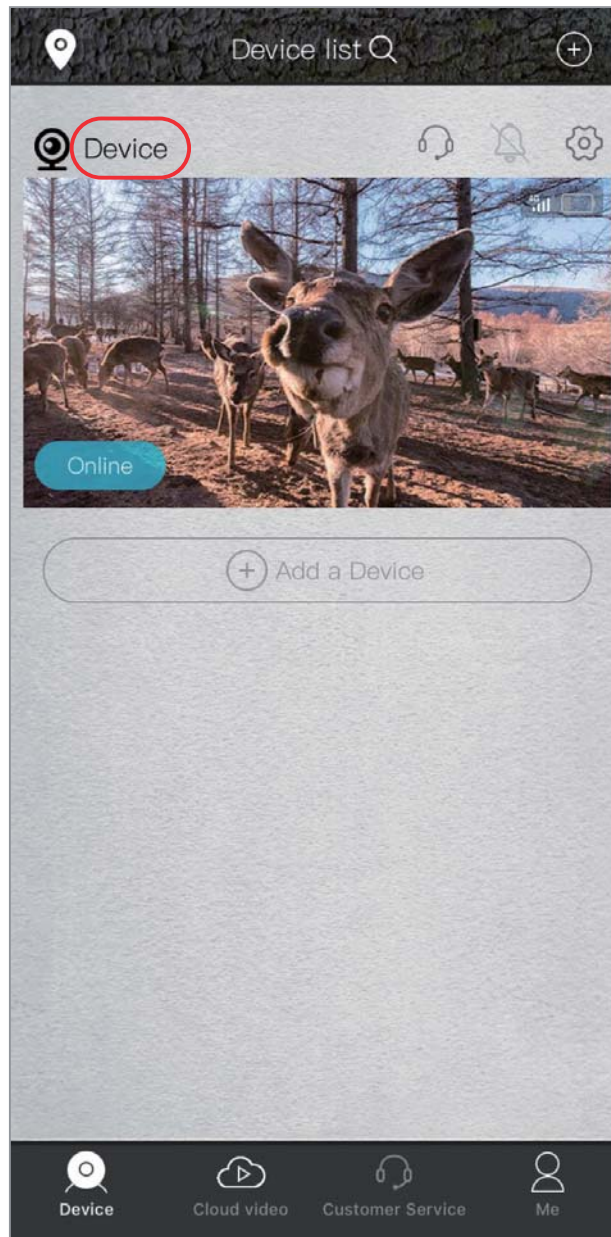
Under the sub-menu:
You can view, zoom in or out the live video.
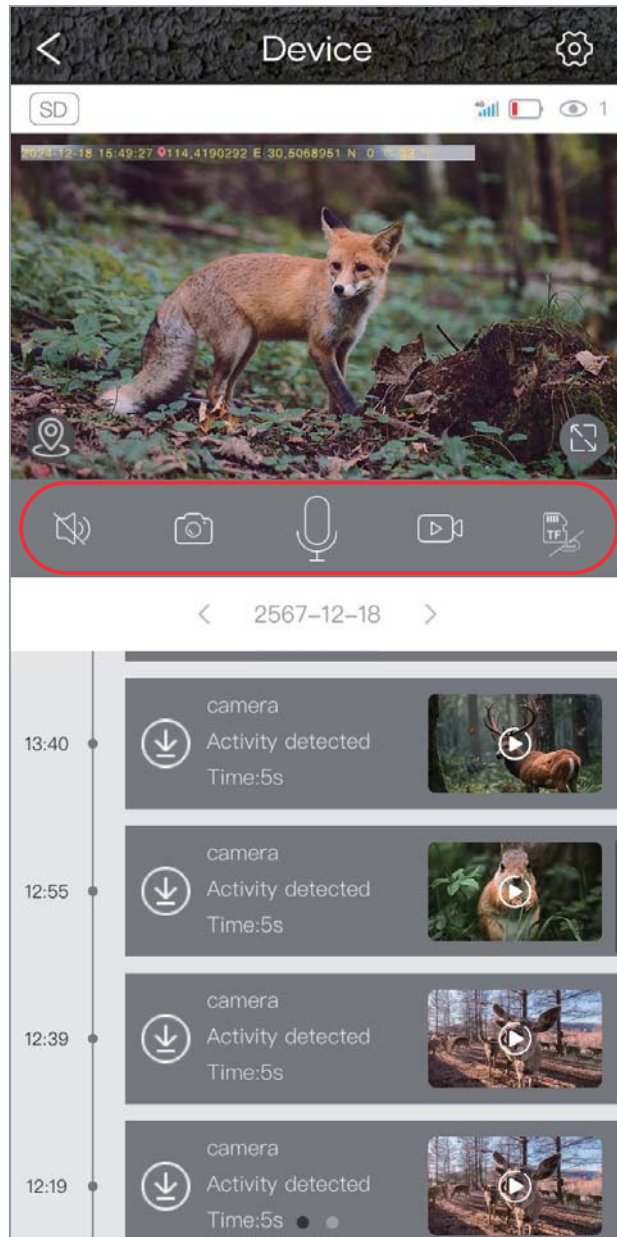
Some helpful function buttons are listed below:

Click " 🔇 " to mute on/off sound.

Click " 📷 " to take photos.

Click " 🎤 " (mic) to start two-way talking, click again to stop.

Click " ▷◁ " to start recording videos, click again to stop.

Click " TF " to switch to Cloud or TF card storage.

Under the sub-menu, you can also view and download photos and videos stored in the Cloud or on the TF card using your phone.
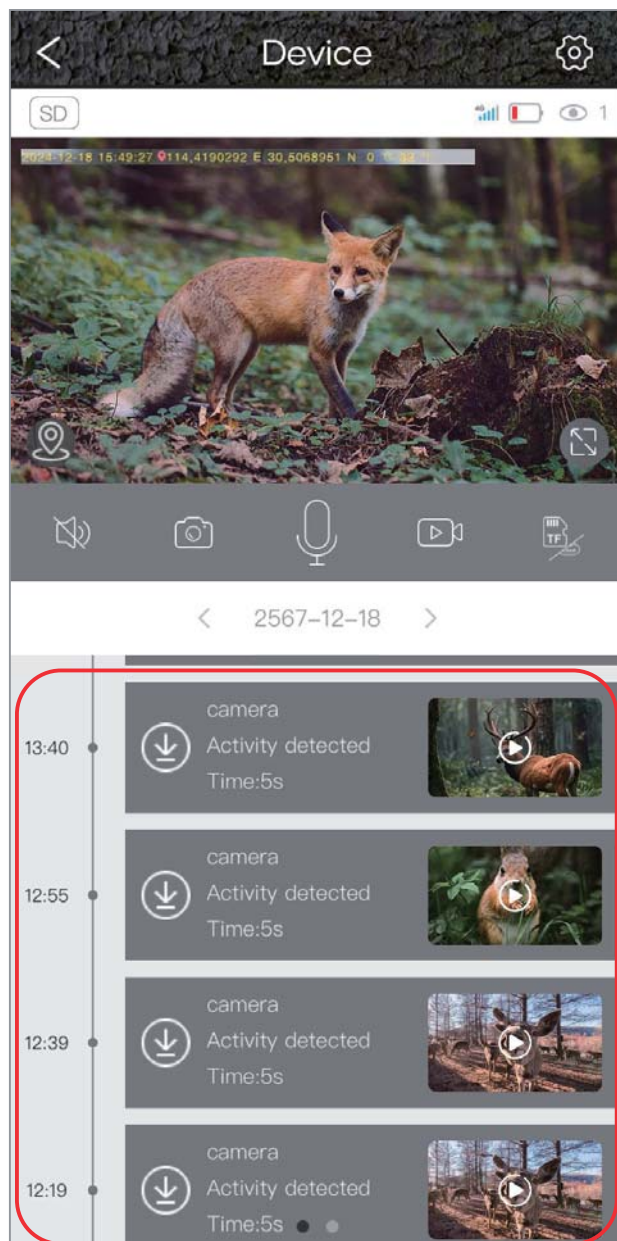
If you want to delete files on the TF card, connect your camera to a computer or a card reader using the included USB type C cable.

Note:
To save battery power, the camera will not automatically take photos or record videos when connected to your phone.

7.4.5 Device Settings

Under the sub-menu, click " ⚙ " to change the detailed settings of your camera on the phone.
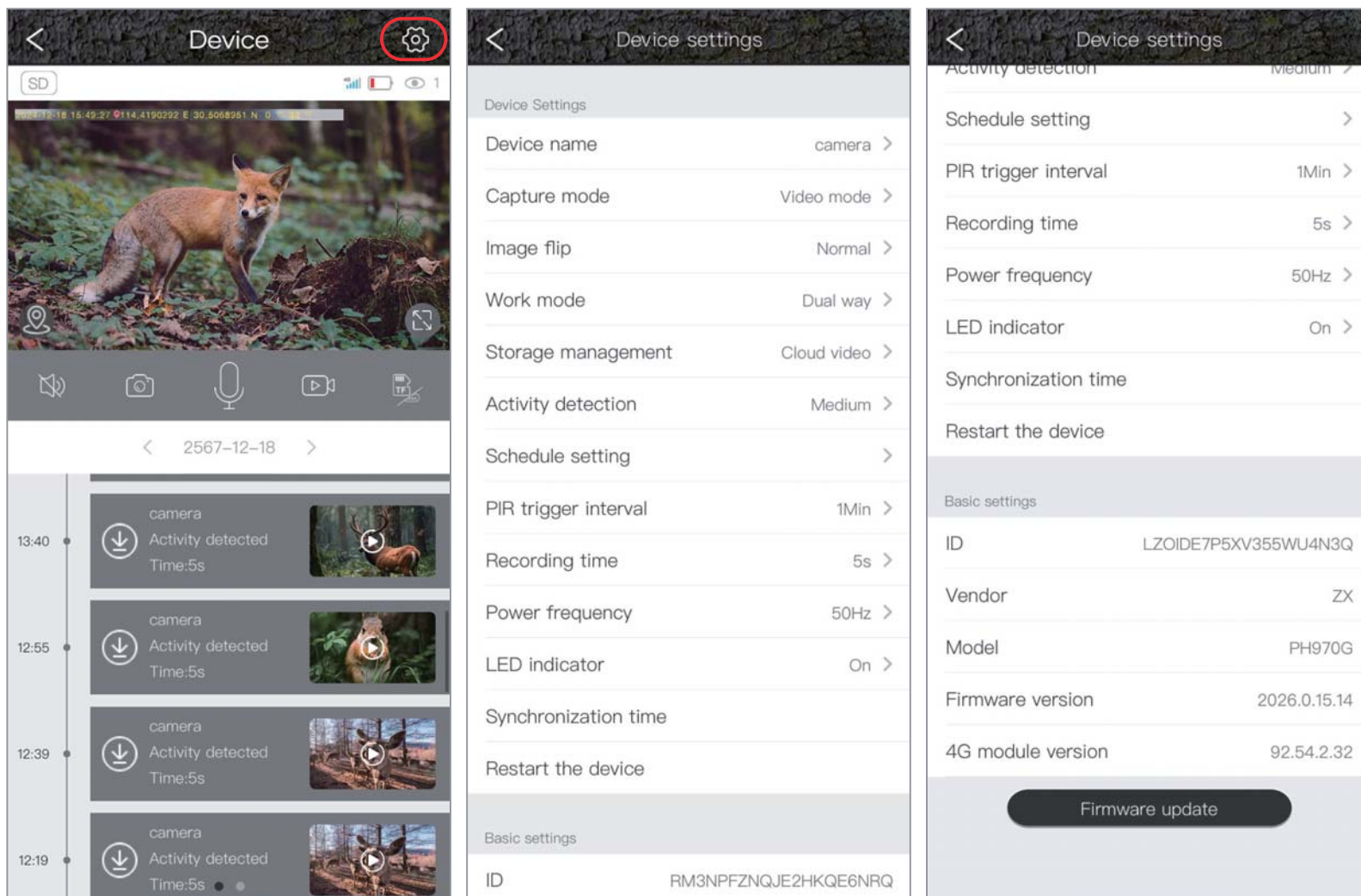
Device name: Change your device name.

Capture mode: Select video or photo capture mode.

Image flip: Choose to rotate, mirror or mirror and rotate the captured images.

Work mode: Dual way mode supports live video viewing/recording and photo viewing. One way mode only supports photo viewing.

Storage management: Choose whether to use Cloud storage service. Check the memory card space, and format memory card.

Activity detection: Adjust PIR sensitivity (High/Medium/Lower) of your camera.

Schedule setting: Set a specific working time for your camera (00:00 to 24:00, Monday to Sunday).

PIR trigger interval: Set a trigger interval (No delay/10s/30s/1m/3m/5m/10m/20m/30m) for your camera. The shorter the time interval, the more photos or videos taken, and camera's battery is draining faster.

Recording time: Set a video recording time (5s/10s/20s/30s).

Power frequency: Camera supports 50Hz or 60Hz.

LED indicator: Turn on/off the LEDs.

Synchronization time: Click to synchronize the time to phone.

Restart device: Click to reboot the camera.

You can also view the basic settings in this interface, and click "Firmware update" if needed.

Note:
1. The connection between your phone and camera may fail due to distance or obstructions. Please restart the App and camera, try to reconnect within 1 meter that the camera has the fastest connection speed.

2. The battery consumption of the camera depends on camera settings and usage time connected to the phone. The camera consumes power faster when connected to the phone.

8. Mounting the Trail Camera

8.1 Mounting on the Wall

1. Mark the installation position with the metal plate and drill holes in the wall.
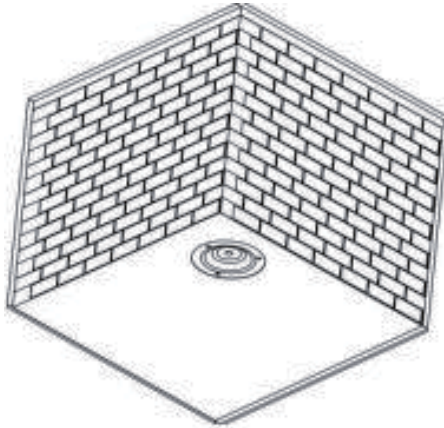
2. Tap the anchors in the holes (with a hammer).
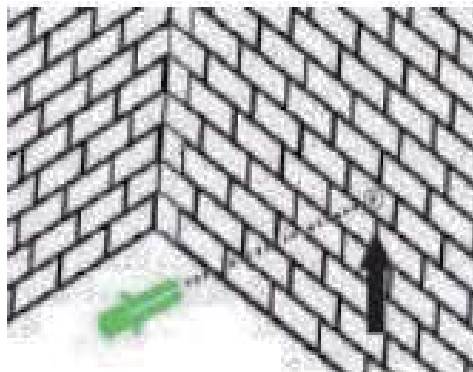
3. Assemble the wall mount accessories and the camera as shown below.
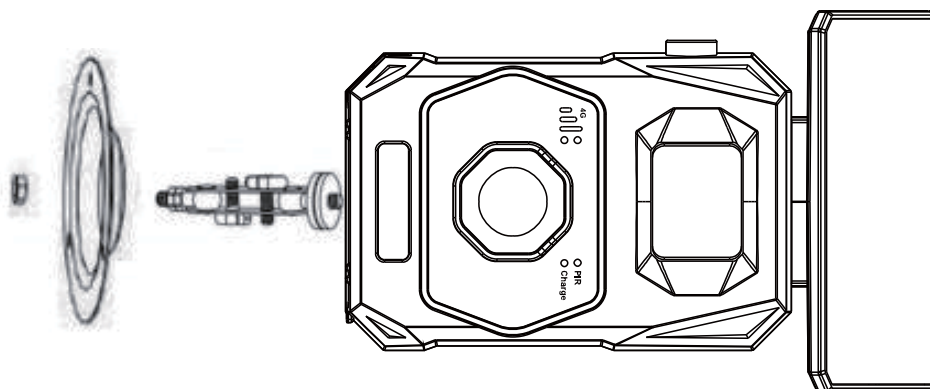
4. Mount the camera on the wall, fix with screws.
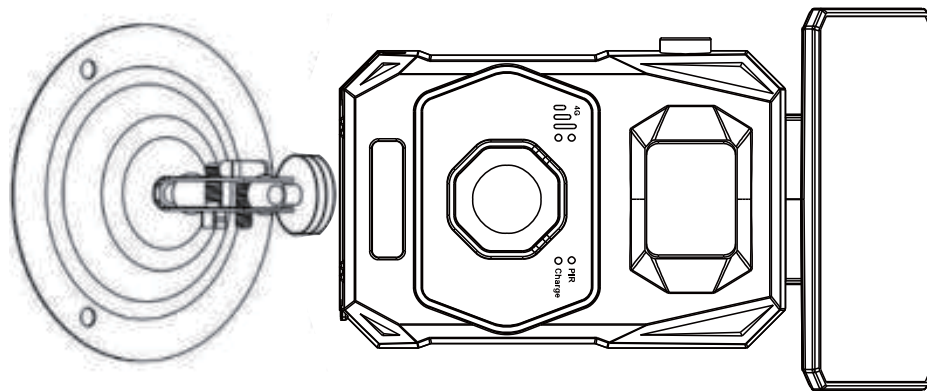
8.2 Mounting to the Tree

1. Pass the adjustable strap through the support on the back of the camera.
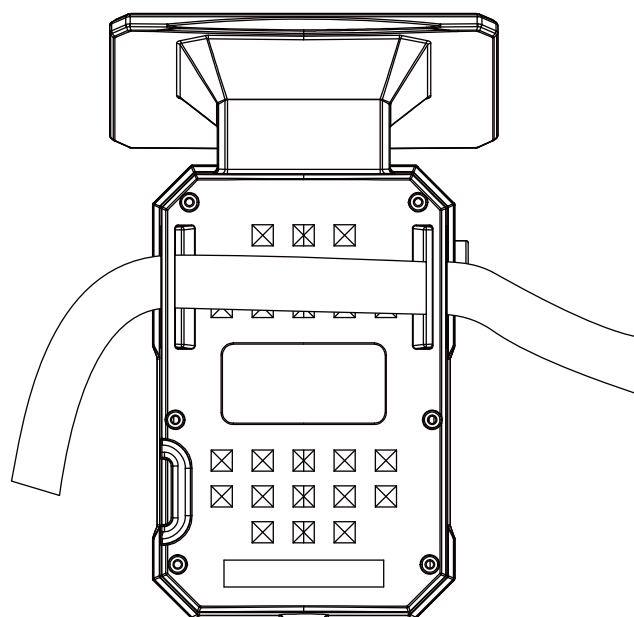
2. Put the camera on the bottom of the tree trunk.

3. Go to the other side of the tree, pass the strap through the buckles as shown below.
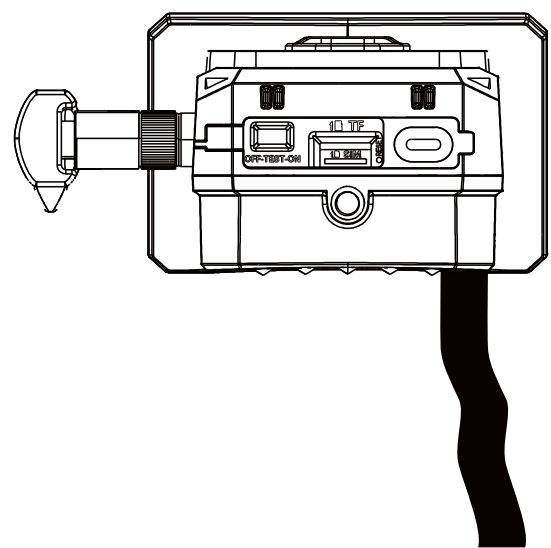
4. Adjust the position of the camera, then tighten the strap.

Note:
You can use wall mount kit and adjustable strap together to make sure that the camera is sturdily fixed on the right position.

9. Technical Specifications

| Max. Photo Resolution	48MP
Max. Video Resolution	1296P@30fps
File Format	H.264/JPEG
Video Length	5 sec/10 sec/20 sec/30 sec
Starlight Class Image Sensor	2M CMOS sensor SC200AI
Lens	f=4mm, F/NO=1.0
IR Filter	full automatic IR filter
Detection Angle	100°

Range of IR Flash	65 feet/20m
PIR Trigger Interval	no delay/10 sec/30 sec/1 min/3 min/5 min/ 10 min/20 min/30 min
PIR Sensor Sensitivity	high/medium/low
Trigger Time	0.2 sec
Image Performance	automatic white balance, automatic gain control, automatic backlight compensation, digital wide dynamic, 3D noise reduction
Storage Options	Cloud service, support TF card up to 128GB
Stamps	date, time and temperature
Work Time	00:00 to 24:00, Monday to Sunday
Built-in Microphone & Speaker	yes
Interface	TF card slot, SIM card slot, and USB type C port
Power Supply	built-in rechargeable 5200mAh battery, integrated solar panel, the camera can use with an external power source (type C, 5V) or an external solar panel (type C, max. 10W)
Waterproof Rating	IP66
Operating Temperature	-20°C to 60°C (-4°F to 140°F)
Operating Humidity	5% to 90%

10. Troubleshooting

10.1 Camera False Triggering

Motion sensor (PIR sensor) actually detects changes in the infrared radiation (heat radiation) emitted by objects. This is the reason why it false triggers on a hot and windy day. Humans and animals are not the only objects that will trigger your camera, vegetation and raindrops may act as moving targets as well. To reduce the possibilities of false triggering:

1. Be sure to clear low drooping tree branches, bushes, and weeds in the field of view (4.5m to 10m in front of the camera).

2. Normally we suggest customer to set a high motion sensitivity before start. You can set a medium or low sensitivity of the camera if getting too many false triggers.

10.2 Sharing Your Device with Others

If you need to share your camera with your family or friends, use the QR code in the App (after connecting to the App, "Device" - click " ⚙ " to enter basic settings - "Share permission"). They can connect to the camera by scanning this QR code. The camera allows 4 people to use it at the same time.

10.3 Do I Have to Purchase Cloud Service

It depends on you. You can purchase Cloud service to unlock exclusive function according to your needs. If you do not want to purchase it, for better experience, please install a TF card (included) before start. You can playback recorded videos in the App (after connecting to the App, "Device" - click camera name to enter the sub-menu - click " ⬚ " to switch to TF card storage, then view or download videos stored on the TF card).

10.4 Working Status of 4G Indicators

- When you reset the camera (insert a SIM eject tool into the reset hole, press and hold it for 5 seconds), wait for the blue light to light up. The blue light stays on and the camera enters the configuration status.

- After configuration, connect the camera to a keep-alive server, and the blue light stays on.

- After configuration, if the camera successful accesses the network but cannot connect to the keep-alive server, the blue light will quick flash for 0.5 second and go out for 0.5 second.

When the camera is unable to access the network, read the descriptions of abnormal light working status below:

- There is no communication between the master control and 4G module. The red light flashes slowly (the red light turns on for 1 second, then turns off for 1 second).

- There is communication between the master control and 4G module. The camera cannot recognize the SIM card (SIM card may not be installed). The red light and blue light flash alternately (the red light flashes for 0.5 second, then the blue light flashes for 0.5 second).

- There is communication between the master control and 4G module. The SIM card is recognized but your mobile phone bill arrears. The red light and blue light flash slowly and alternately (the red light flashes for 2 seconds, then the blue light flashes for 2 seconds).

- There is communication between the master control and 4G module. The APN settings are not available (and the camera cannot access the network). The red light and blue light flash at the same time (the red light and blue light flash for 1 second, then they are off for 1 second).

- There is communication between the master control and 4G module. The signal is too poor to access the network. The red light stays on.

- There is communication between the master control and 4G module. SIM card has a problem and cannot access the network. The red light and blue light flash at the same time.

11. Disposal

 Make sure you dispose of the product, accessories, and packaging in accordance with your local laws and regulations.

FCC Warning Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. 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:
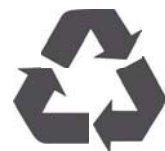
‐ ‐ Reorient or relocate the receiving antenna.

‐ ‐ 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.

RF Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance of 20cm the radiator your body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

UK CA CE FC RoHS ♲