4G-LTE
CELLULAR TRAIL CAMERA

▼

USER'S MANUAL

PLEASE READ THE MANUAL CAREFULLY BEFORE USE

Content

Safety and warning
Incorrect use of the camera and accessories may damage, destroy the camera or cause serious accident .
Please be sure to read and observe the following security warnings before using.

Hazards to people who are unable to use cameras
◇**Children or incompetent persons are not allowed to use the camera. Only normal adults should use the camera.**

Hazard of electric shock, fire or explosion
◇**If the camera is damaged or invaded by foreign matter, please turn it off immediately, otherwise there is a risk of fire or explosion.**
◇**Use of external power sources may cause electric shock or fire. Please keep the camera and the power supply dry and ventilated. Do not cover the camera with any objects.**
◇**Do not use external power during thunder or lightning, otherwise it may cause electric shock or other accidents.**

Safety use warnings
◇**Do not fall, hit, squeeze or puncture the camera.**
◇**Do not use any corrosive cleaners to clean the camera.**
◇**Keep away from high temperature or flammable materials, and do not put the battery Into a fire, which may cause a fire or explosion.**
◇**Disassembling or self-repairing the camera is prohibited. If necessary, please contact a professional or dealer.**

Use, protection and storage
◇**The camera must be mounted in a secure place in case of accidents.**
◇**This camera has a rain-proof function and can be used in outdoor environments.**
◇**This camera cannot dive and prohibit dipping the camera in water.**
◇**Do not use the camera upside down. All latches and waterproof plugs must be fastened before work.**
◇**All locks and plugs must be fastened before work.**
◇**If you are not using the camera, you must remove the battery and store it in a dry place**
◇**Impingement, fall and other man-made damage is not covered by the warranty, need to pay for repair.**

Proper disposal of waste
◇**Do not dispose of the camera and accessories as household garbage. Do not discard them at will.**
◇**Please deal with the classification according to local law requirements. Please consult local authorities for details.**

Other warnings
◇ **Please comply with relevant local policies and regulations regarding the use of wireless products.**
◇ **Please comply with relevant local policies and regulations on personal privacy protection.**

About this manual

◇This manual is used as a general guide for the use of the camera. The pictures are for reference only.

◇We try to keep the content right. If the manual is not consistent with the camera due to the update or software upgrade, please refer to the material object without prior notice.

◇ Due to the need to upgrade the user experience, APP may upgrade, adjust or increase the menu, features, please refer to the APP in practice without prior notice.

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About the camera

1 About the camera

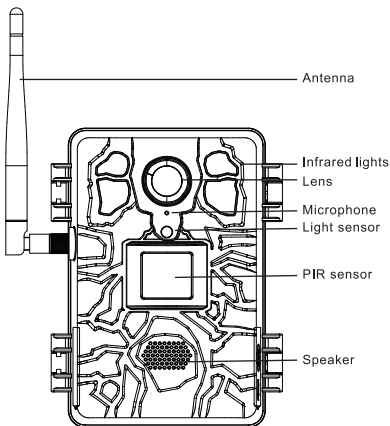Thank you for buying this HD camera! If you have any problems in using it, please contact us in time.

1.1 Main features

It's a 4G-LTE camera that works automatically, when a person or animal enters the surveillance field of vision, the camera automatically takes photos or films and sends reminder messages to the phone. Users can enable real-time monitoring on the phone terminal and conduct voice prompts and other operations. It is widely applicable to monitoring, animal shooting, hunting, courtyard security and other application scenarios, especially adapted to outdoor, country use without power supply or wired networks. It has the following characteristics:

◆Support 4G-LTE network ◆Remote Access ◆Two-way awaken ◆mobile phone APP
◆Cloud storage ◆Live broadcast ◆14.0MP ◆2.7K video ◆H.265 ◆0.5s trigger time
◆IP66 Dust and rain proof ◆Infrared night vision ◆Automatic working

1.2 Picture Presentations

【Front view】   【Back view】

Antenna

Infrared lights
Lens
Microphone
Light sensor

PIR sensor

Speaker

Lock hole
Tie hole

Lock hole
QR Code
Tie hole

【Right view】　　　　　　　【Left view】

Antenna seat

Charge indicate light
Power input port
Function switch

Working status
indicator

4G Signal light
TF Card slot
SIM Card slot

Reset key
Battery cover latch
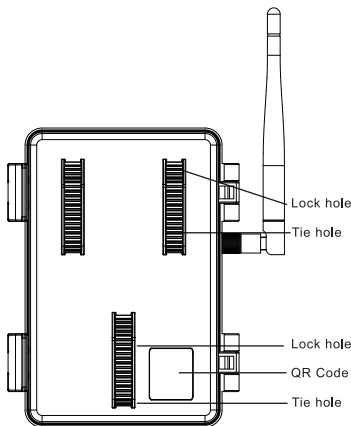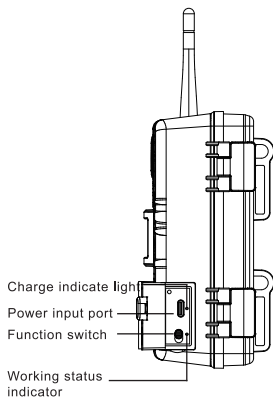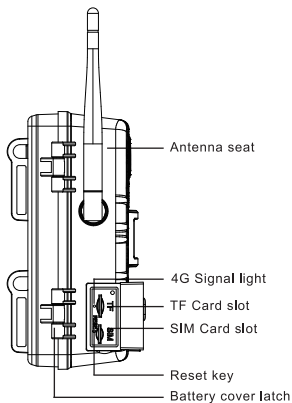
【Bottom view】
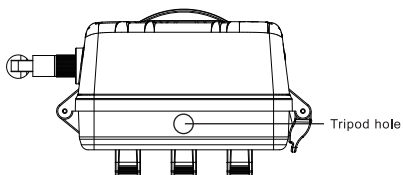
Tripod hole

1.3 Functions of keys

Icon	Key name	Functions
Power ON OFF	Function switch	OFF gear : Power off the camera。 Turn off the power and the camera stops working. **Power on:Power on the camera.**
RESET	RESET key	Hold the 【RESET】 key 5 seconds for system soft reset and restart.
◎	Charging indicator light	Charging :Indicator light shows Green Finish charging: Indicator light will be off

2 Start to use

This chapter will tell you about preparation for using the camera, including installation of the Nano SIM card, memory card, battery and so on.

2.1 Installation of the Nano SIM card and memory card

2.1.1 The camera must be loaded with the SIM and memory cards to work properly. Before using it, please format the memory card with your mobile phone APP.

2.1.2 Open the waterproof glue plug on the left side.

2.1.3. Insert the Nano SIM card into the camera and push inside until you hear a click. As shown: the angular end of the SIM card is pointed at the camera and the metal contacts are facing down.

2.1.4. Insert the memory card into the slot and push inside until you hear a click. As shown: the angular end of the memory card is pointed at the camera and the metal contacts are facing down.
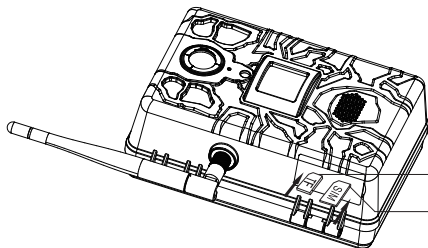
Insert the Nano SIM card according to this direction.

Insert the Memory card according to this direction.

Notice:

Do not unplug the Nano SIM and memory cards while the camera is working, otherwise, the Nano SIM and memory cards will be damaged.

Please use a Nano SIM card that meets local 4G-LTE network standards and consult local telecom munications providers.

Please use a qualified class 4 or above memory card. Poor-quality memory cards can cause the camera to be unrecognizable or inactive.

2.2 Installation of battery
Please install the battery for the camera before use.The camera uses 6pcs 18650 Lithium-ion
2.2.1 As the picture shown, remove the compartment latch and open the battery compartment cover.
2.2.2 Install 6pcs batteries according to the icon on the machine.
2.2.3 Keeping the battery compartment clean, covering the battery cover and lock the latches.
2.2.4 **Toggle the [on/off] to "on" gear.** if the network indicator is on, it indicates the battery
is installed correctly.

1. Open the battery cover latch.

2.Open the battery
compartment door.

3.**Install 6pcs** 18pcs 18650 Lithium-ion
batteries according to this
direction
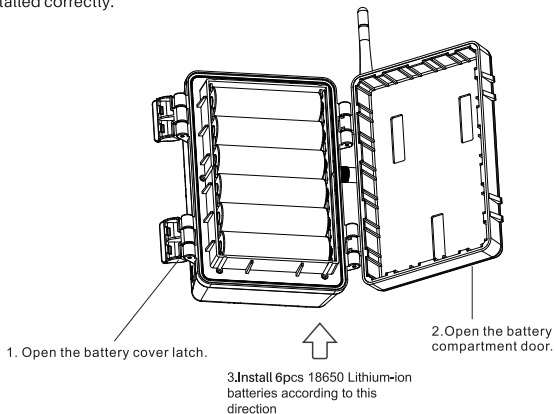
Notice:
Install the battery according to the specified direction, do not install reverse, do not mix old and new batteries.
Incorrect installation of the battery will not power on the camera and may damage the camera or risk.
After installation, the latch must be fastened, otherwise water or dust will damage the camera.
If the camera is not used for a long time, remove all the battery to avoid damaging the camera.

2.3 Install the antenna
2.3.1 Remove the antenna seat dust cap on the left of the camera.
2.3.2 Install the antenna to the antenna seat and tighten clockwise

Notice:
The user may reference the local 4G network signal to adjust the direction of the antenna to obtain the optimal 4G signal.

2.4 Battery recharge.

When using the camera for long time, the battery should be recharge.

2.4.1 Install the batteries according to the steps of 2.2, **Toggle the [on/off] to "on" gear.**
Photo"or "Video" gear.

2.4.2 Open the waterproofglue plug of the camera USB interface and plug the external
power supply into the camera USB port.

2.4.3 Access the power source, the battery will be charge and the camera will automatically
switch to the external power source after detecting the external power source.
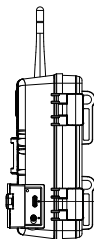
1.Remove the waterproof glue
plug.
2.Insert the USB interface of
the power source.

Notice:
Please make sure to use the standard external power supply with specification: 5V/1A.
The battery is not removed when connecting the external power supply.
Cover the waterproof adhesive plug without using the external power supply.

2.5 Installation and fixation of camera

To ensure the camera works safely, install the camera in a firm place，users can secure the
camera by using a strap or bracket.

2.5.1 Installation with a strap

Use the strap through the back hanging hole of the camera, and then fasten the strap to a tree
or other firm object, adjust the shooting angle of the camera and tie the strap. The figure is
shown below:

← Strap
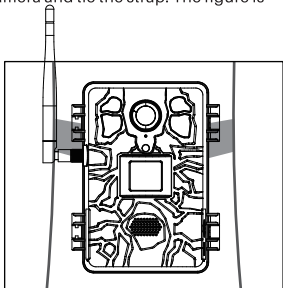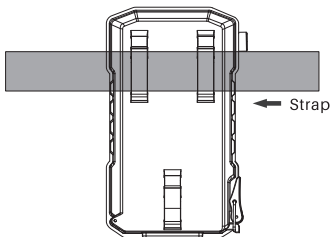
2.5.2 Fixation with the brackets
Install mounting bracket reliably on fixed object (e.g. on the wall or on the tree), screw the bracket screw into the screw hole at the bottom of the camera and tighten it. Adjust the camera shooting angle and tighten all the screws. Below is the figure:
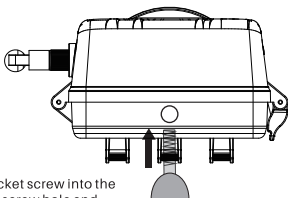
Screw the bracket screw into the
camera tripod screw hole and
tighten clockwise

Notice:
After the camera is installed, lock all buckle and cover all waterproof plugs.
If the camera is installed close to the ground, ensure that the bottom of the camera is more than 20CM from ground.

2.6 Power on the camera
2.6.1 **Open the[on/off] to "on",** the 4G signal indicator and network indicator will light up, indicating the camera is on.
2.6.2 The 4G signal indicator can display three states, as shown below:

Indicator color	The meaning of the representation
Red	Represents a weak 4G signal
Green	Represents a moderate 4G signal
Blue	It indicates a strong 4G signal

Notice:
To save power, the indicator automatically turns off after a period of time. The camera indicator can be activated by any operation on the mobile APP.

2.7 Restore the default settings

If the user's incorrect settings menu causes the camera to not work properly, the camera's reset function can be used.

2.7.1 **Keep the camera is powered on, and the**[off and on switch] **is in on.**

2.7.2 Insert the RESET hole with a fine pin and press the RESET key for 5 seconds, restore the camera to the factory default.

2.7.3 After the reset, you must delete the camera in the mobile phone APP and then add the camera in the phone APP again to continue to use and operate the camera.

Notice:
After the default settings, the camera menu returns to the factory settings.
This action does not delete saved photos or video files.

2.**8** Power off the camera

2.**8**.1 **Push the**[off and on switch] **to "off" gear, the camera will be completely shut down.**

2.**8**.2 After the camera is off, it only can be turned on again after waiting 3 seconds.

2.**8**.3 If the camera is not used for a long time, remove all the batteries in the camera.

Notice:
The camera will automatically save the file if the 【Function switch】 is pushed while the camera is working.

3 Use the camera
This chapter tells you how to use the camera and operate on your phone APP.

3.1Monitor shooting
Insert the SIM and memory cards into the camera, install the batteries and turn on the camera,
check that the camera is working properly. Install the camera into the shooting area and adjust
the camera height and direction to ensure the lens is aligned to the shooting range.
The camera matches the mobile phone APP for "UCON", open the APP "UCON", log in and set
relevant parameters, the camera will enter the monitoring and shooting state. At the moment,
it can automatically monitor and photograph active animals or people in the range of vision,
and view the picture in real time.

Notice:
1.When using the camera, the lens should aim at the shooting range.
2.Battery life can vary in different modes or environments.

3.2 Setting and usage of UCON APP
3.2.1 Scan the QR code to download and install the APP
Please scan the QR code below to download and install "UCON" APP

IOS Mobile
phone

Android mobile
phone

3.2.2 You can also search directly at the App Store for "UCON" APP, download and install to the
phone.
Android phone: Search at the Google Store for "UCON" APP download.
IOS cell phone: Search at App store for "UCON" APP download.

3.2.3 Register and login account
3.2.3.1 Open the "UCON" APP on the phone, click "Register", and follow the phone screen
prompt to register.

3.2.3.2 Set the login password, enter the verification code, and click "Register".
3.2.3.3 After successful registration, enter the account, password, and click "Login".

3.2.4 Add the camera
3.2.4.1 Click "Add a device" and select "Setup 4G Device".
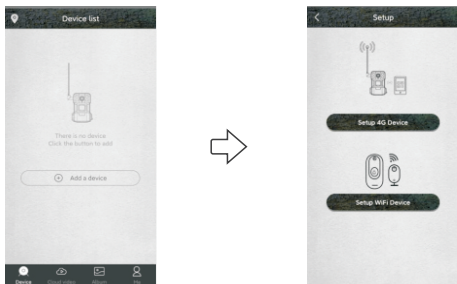
3.2.4.2 When the 4G signal indicator is always blue, use your mobile phone to scan the QR code on the device.
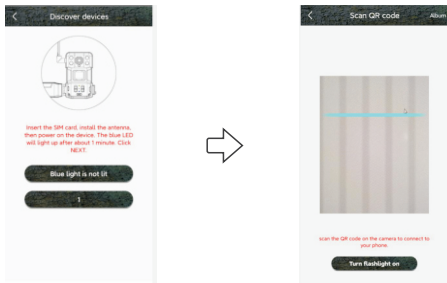
Notice:
Please add the camera where the 4G network signal is good to make sure both the camera and the phone have good signals.
Poor signal may cause a failure to add the camera or use the remote functionality.

3.2.4.3 After a successful scan, wait for the connection. Enter the device name and address after the connection is successful, and click "Next" to complete the addition of the device. After the camera is successfully added, the phone APP will display the camera preview of the current picture, showing "online" in the bottom left corner.
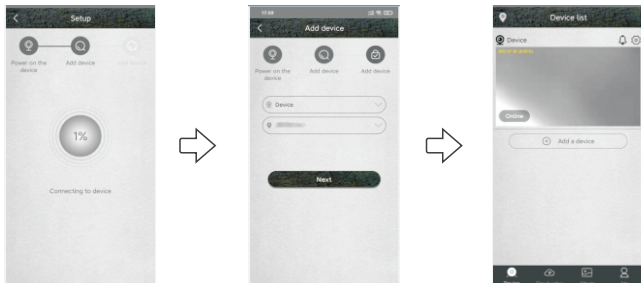
3.2.5 Usage instructions of APP
3.2.5.1 Open the APP on the phone, it is shown as follows, please refer to the mobile phone APP for relevant action.

Position switch
click to display the camera position

Push switch
 click to open the message push

The basic settings button
click to enter the basic settings Ⓐ

Click on the screen to
enter the preview mode

Displays whether the camera is online

Click to add a device

Click to view the cloud video

Click to enter the local photo album

Click to enter the account management
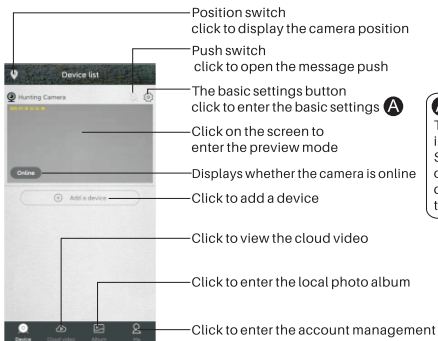
Ⓐ
The following settings are available in the basic settings.
Set remote mode, sharing equipment, open cloud service, 4G traffic service, delete equipment, etc., specific refer to the mobile APP prompt operation

3.2.5.2 After clicking on the screen to enter the preview mode, the APP displays as follows, relevant operations can be performed:

Change Video resolution

Camera settings, click to enter the camera settings
Click the Settings button to enter the camera settings.
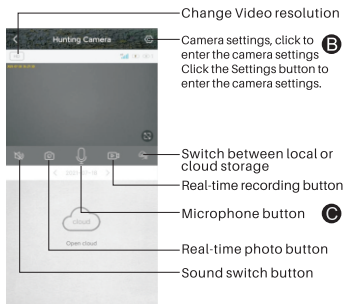
B

In the setting menu, users can set: device name, **Capture mode** working mode, image rotation, storage management, environment mode, PIR trigger interval, PIR human detection, sleep-delay, power frequency, LED indicator light, synchronization time and online time. Specific refer to the mobile phone APP prompt operation.

Switch between local or cloud storage

Real-time recording button

Microphone button **C**

C

Turn on the microphone , the phone can speak to the camera or talk with the camera in two-way.

Real-time photo button

Sound switch button

3.2.5.3 Click the cloud video icon, enter the playback interface of cloud video, it is shown as follows. Click the calendar icon, select a date to view all the cloud videos for the current date, and conduct relevant operations.

Calendar icon

Switch the photo album

View locally saved photos and videos
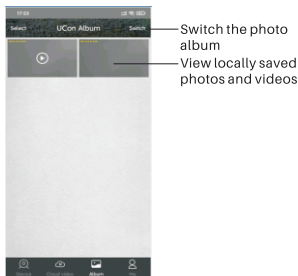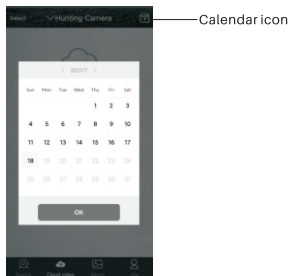
3.2.5.4 Click the local photo album icon, enter into the local photo album, display as the figure above, users can conduct relevant operations.

3.2.5.5 Click the account button to enter the account management, the APP is shown as follows, users can perform relevant operations:

Check my account and related information

View open status of cloud service and open the cloud service

Add my friends

Basic setting: sound, monitoring clarity, alarm vibration and ringing tone

Intercom management

Push settings: self-start, permission, and battery management

Application wizard

Frequently asked questions

About the APP

Logout

3.3 Precautions for equipment use

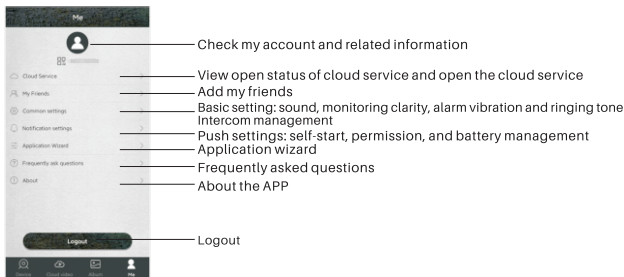3.3.1 The number of wake-ups and shots of the camera will affect battery life, and using a 4G function or shooting at night will consume more power. When using battery power, please set camera parameters reasonably. It is recommended to set remote working mode to one-way mode, PIR detection to low sensitivity and PIR trigger interval to long time. If the battery power is insufficient, the mobile phone APP will have a prompt. Please replace the new battery in time after receiving the prompt.

3.3.2 If the camera is long using 4G, night work or high frequency shooting, external power is recommended.

3.3.3 Please use the 4G function where the network signal is good. If the local signal is weak, it may cause the camera to go off line or fail to operate remotely. If this happens, adjust the antenna orientation or the position of the camera installation.

3.3.4 This device has two remote modes: two-way mode and one-way mode.

Two-way mode: It is mainly used for remote real-time preview and setting operations; two-way mode consumes a lot of power and is only suitable for setting options. After the setting, change the mode to one-way mode.

One-way mode: the camera automatically enters the PIR induction capture, it is only activated to capture when the target is detected, and prompts the phone. One-way mode is more power-saving, so one-way mode is recommended.

3.3.5 This camera is a intelligent product, which can support APP remote wake-up and infrared detection wake-up, and automatically enter the dormant state after each wake up work is completed.

3.3.6 This device provides free cloud video service for one month. If you need to continue to use the value-added service after the trial period, you need to purchase it from the APP.

4 Appendix
4.1 Common problems and solutions

Problem	Potential cause	Solution
Can't be powered up	Low battery or wrong battery model	Replace the correct type of battery with a full charge.
	Incorrect battery installation	Refer to the instruction manual to install the battery correctly.
	There is a foreign body in the battery compartment	Check the battery compartment for foreign matter and clean it.
	Incorrect specification or connection of external power supply	Use a suitable external power supply and connect it properly.
	Operating temperature is too high or too low	Use it where the temperature is right.
The camera suddenly shuts down	The battery is low.	Replace a fully charged battery or use an external power source.
Photography is normal during the day, but it is dark at night	Low power or insufficient external power supply current, the infrared lamp does not work properly	Replace a fully charged battery or use an external power source.
Do not read cards or save files	Power failure before file storage	Replace a fully charged battery or use an external power source.
	Memory card speed is too slow	Replace memory cards with write speed of class 4 or above.
	Memory card is damaged or not up to specification	Replace a qualified memory card and format it with your camera.
The camera crashed while working	Low battery power or external power does not meet the requirements	Switch to a new battery or an external power that meets the requirements.
	Memory card is damaged or poor quality	Replace qualified memory card, format the memory card with the camera, restore the camera to its default settings, and restart
Cameras consume a lot of power	The camera setting of PIR interval time is too short	The PIR interval can be adjusted properly to extend the battery life.
	The camera setting of PIR sensitivity is too high	The sensitivity of the PIR is appropriately lowered to extend the battery life.
	There are more photos and videos taken at night	Infrared light at night consumes a lot of power. If you take more photos or videos at night, you need to use external power.
	Two-way mode enabled, or long use of 4G functionality	Switch to one-way mode, or reduce time for using 4G
	The above parameters are the balance between camera performance and battery life. Users can make reasonable adjustments according to the instructions and personal needs in order to obtain reasonable results and battery life.	

Problem	Potential cause	Solution
The camera leaks or fogs up	Waterproof ring falls off or there is a foreign body on the waterproof ring	Check the waterproof ring, keep the waterproof ring clean, waterproof ring can not pop up, become warped.
	Failure to fasten the latch properly or plug the waterproof rubber stoppers for external power supply	Before the camera works properly, all locks must be fastened, waterproof rubber stoppers must be plugged.
	Improper use, such as putting the camera in water	The camera are rainproof, but absolutely do not put into the water
	Install or place the camera incorrectly, such as upside down	The head of the camera must be up and mounted as vertically as possible. make sure the bottom of the camera is at least 20CM from the ground.
	The camera can work in raining. If the camera fogs or gets water, shut it off immediately and remove the battery. Wipe off any water or fog with a dry towel, then open the cover and place it upright in a ventilated area to dry completely before using.	
Not working properly when battery charge	Poor power contact	Check each interface to ensure that they are firmly connected.
	External power supply error	Replace the qualified external power supply.
No 4G signal is shown	The nano SIM card is not inserted	Insert the nano SIM card as required
	The contact of nano SIM card is not good	Clean the nano SIM card contacts, and reinstall it.
	There is no 4G signal in the region	Move the camera to a served area for use
	The telecommunication operator did not provide its services	Contact the local operator
Remote transmission speed is slow	4G network signal is weak	Move the camera position, or adjust the antenna direction to maintain a good 4G signal
	The operator's speed is slow	Consulting with the local operators
Other questions	The camera can be turned on, but there are other abnormal problems	Try the following way:1.Replace a fully charged battery. 2. Replace a qualified memory card and format it with the camera.3. Return the camera to the default settings and restart.

If the above method cannot solve the problem, the camera may be damaged, please contact the dealer.

4.2 4G network standard

The camera is classified into European and North American versions based on the network standard supported by the camera. Please select the version based on the local 4G network standard.

European version	It is suitable for use in Europe in accordance with the following 4G standards: LTE-FDD:B1/B3/B5/B7/B8/B20 LTE-TDD:B38/B40/B41; HSPA:B1/B5/B8 ;GSM:900/1800
The north American version	It is suitable for use in North America in accordance with the following 4G standards: LTE:B2/B4/B12; WCDMA:B2/B5 LTE-FDD：B2/B4/B5/B12/B13/B14/B25/B26/B66/B71; LTE-TDD：B41 LTE:B2/B4/B5/B13

4.3 Specification

Sensor	CMOS sensor，Max 14.0MP(interpolation)
Storage medium	Support SD card (Max. 128G)、Cloud storage
Lens	F=1.6 f=6.0
PIR trigger time	0.5s
IR Leds	High power LED with ICR, strong 4pcs 940nm
PIR sensitivity	Adjustable（High/Middle/Low）
PIR sensitive distance	0~20m
PIR angle	50°
PIR delay	10s~5min（Optional）
Working Mode	Photo mode/Video mode
Photo resolution	Format：JPEG Resolution：14.0MP
Video resolution	Format：MP4, support H.265 ,Resolution：2.7K
Video Length	5s-60s
Microphone	Yes, Built-in
Speaker	Yes, Built-in
Remote operation	Support, mobile phone remote operation，Two-way awakening
Mobile APP	Yes，APP Name: UCON
Live broadcast	Yes
Cloud storage	Yes
Working voltage	DC 5V
Battery	6pcs 1865 batteries(not included in package)
Power Charger	DC 5V/1A
SIM card	Nano SIM card
System language	Automatic, switching with mobile phone system
Stand-by time	180 days(6pcs 18650 Batteries)
Working temperature	-20°C- 70°C
Waterproof level	IP66
Dimensions	93(L) * 55(W) * 141(H)mm(without antenna).Antenna is 180mm.
Weight	Approx 327±5g(battery excluded)

All pictures in the manual are for reference only, please make the object
as the standard. All the data and parameters are subject to change
without notice. We reserve the right of final explanation.

H6(English)

4G-LTE
CELLULAR TRAIL CAMERA