ALPTOP

Wireless outdoor solar security camera

User   Manual

Model: AT-S800

Warranty Service

Thanks for your purchase and support. We have been optimizing our products and improving **lifetime customer services** to offer you a better shopping experience. If you have any questions or problems while using the product, please feel free to contact us by E-mail and we will reply to you with satisfying solutions **within 12 hours**. We will also appreciate any valuable suggestions.

Register via QR code or link below to **get 3 Years Warranty Extension.**   https://form.jotformeu.com/92018442287357

More About US:

Official Web: **www.alptopsecurity.com**

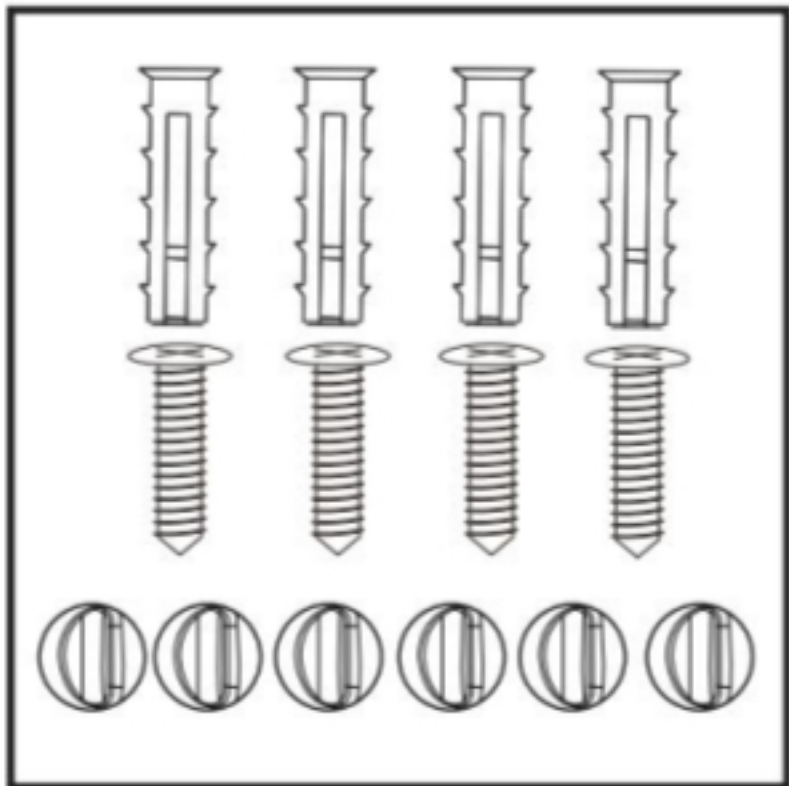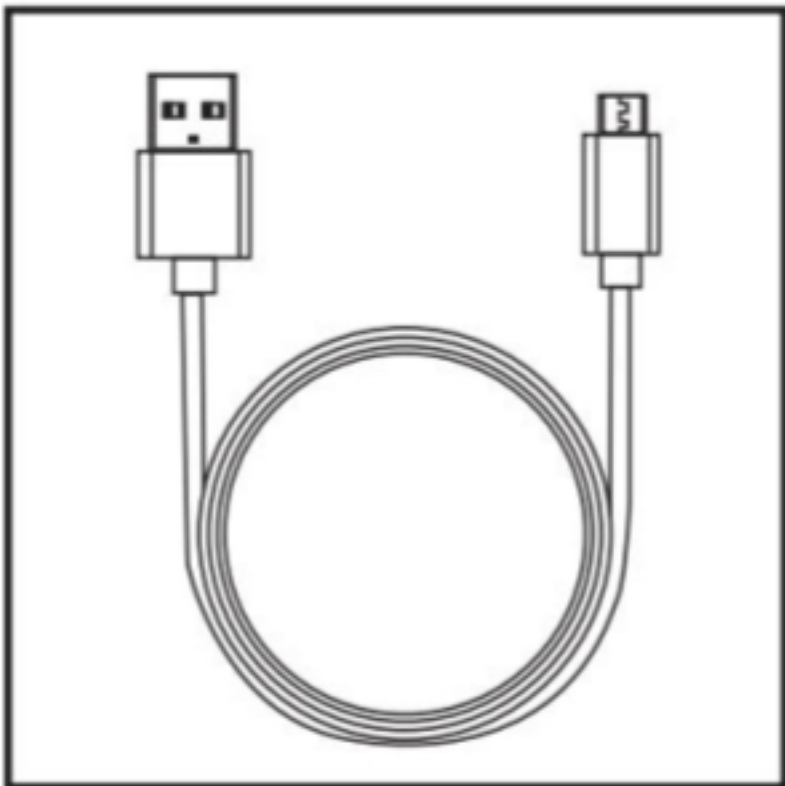If this manual is not clear enough to read,Visit our website to download a PDF file.
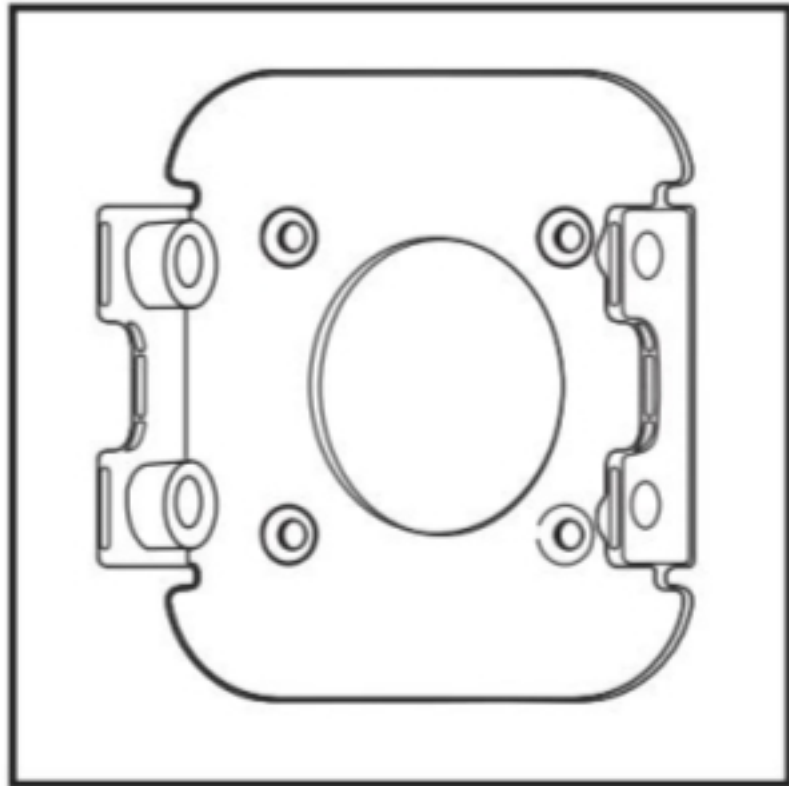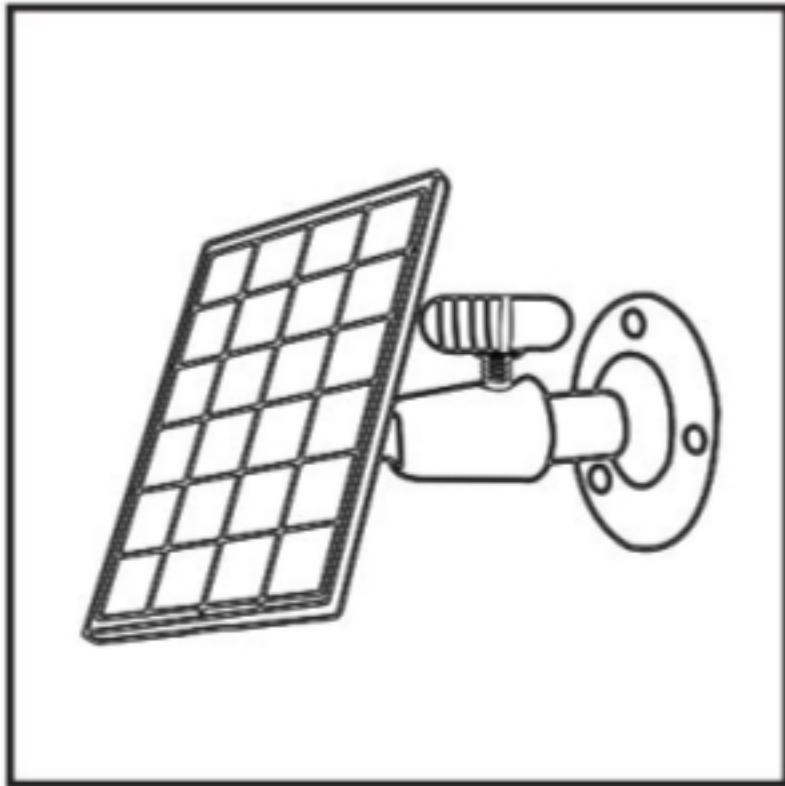
Product Services:

Email: support@alptopsecurity.com

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1. What's in the Box

| 1 AT-S800 Camera | 1 Solar Panel with Cable | 1 Metal Mount |
| 1 User Manual | 1 USB Cable | 1 Screw Set |

What's in the Box

Camera Diagram:
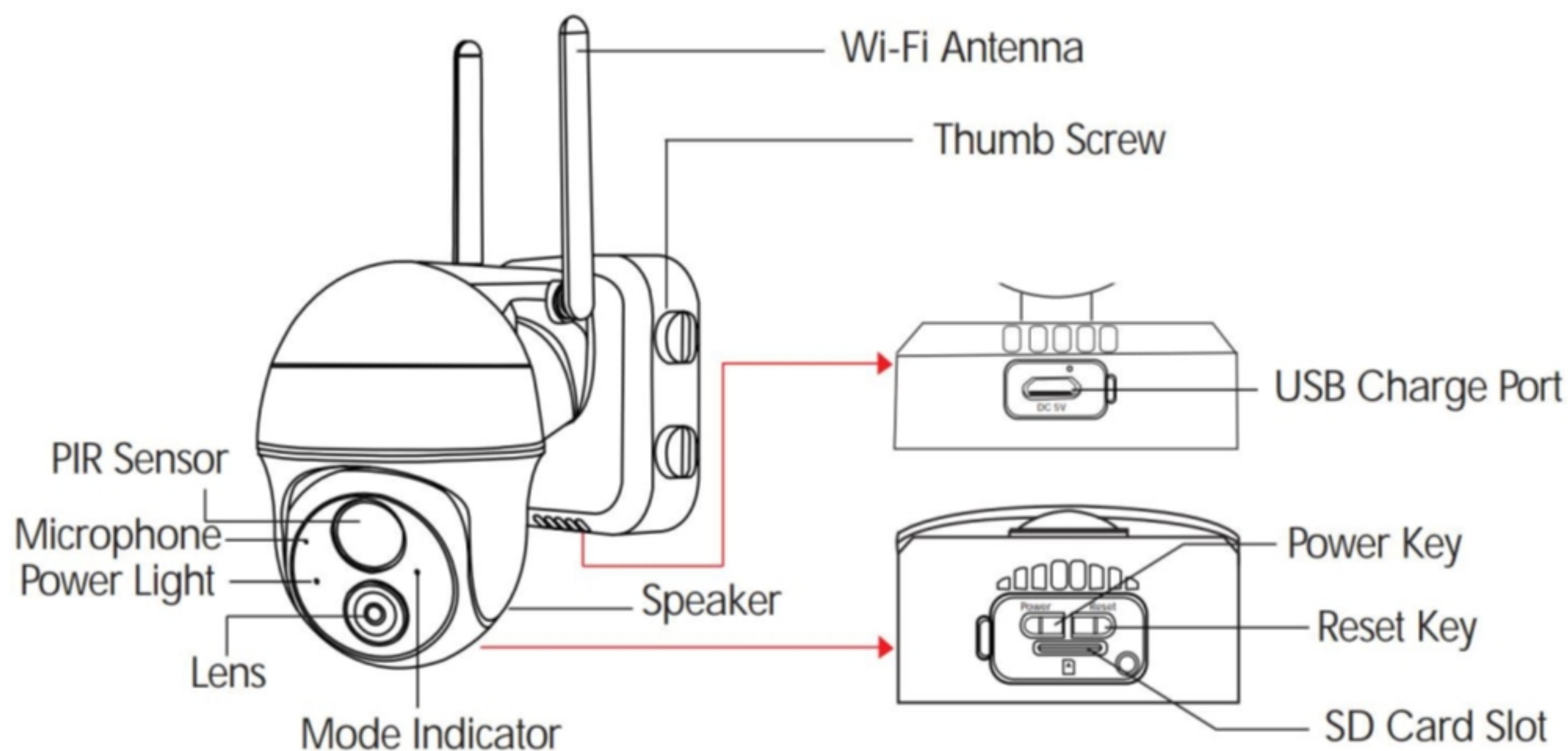
Status light	Camera Status
Power Light	Red means charging,blue means fully charged
Mode indicator blink slowly in red	Awaiting Wi-Fi connection, ready for adding devices
Mode indicator blink fast in red	Wi-Fi connecting
Mode indicator solid in red	Network problem
Mode indicator solid in blue	Wi-Fi connected, camera running normally
Mode indicator blink slowly in blue	AP Mode/ hardware updating
Camera Key	**How to work**
Power button	Keep pressing for 5-10 seconds to power on/power off
Reset button	Keep pressing for 5-10 seconds to reset and restart
USB Charge Port	Use 5V/2A mini USB cable to charge this camera
SD Card Slot	Support local SD card storage(up to 128G)

2.Important Tips

1.Please connect your phone to the **2.4Ghz** Wi-Fi firstly before you pair the camera.Solar camera can only be set up with 2.4g Wi-Fi network. It's OK to use Cell phone data to live viewing it after the camera was set up with 2.4g Wi-Fi network firstly.

2.Please install the micro SD card when the camera powered off. (**Micro SD card is not provided in the package**)

3.Please prepare a universal 5V/2A phone adapter. Please charge the battery at the bottom of the battery box using the provided USB cable, it usually takes up to 10-14 hours to fully charge it.

4.Make sure the distance between your phone,camera and your router is **no more than 2 feet** when you're ready to pair the camera. Ensure that the Wi-Fi signal strength on your phone is good.

5. The recommend camera install height is 9 feet around.To avoid too much false alarms, we suggest you do not install the camera with nearby bushes,shrubs, grasses and tree leaves coming into the PIR range.

Charge Your Battery Box

Please prepare a universal 5V/2A phone adapter.Please charge the battery at the bottom of the battery box using the provided USB c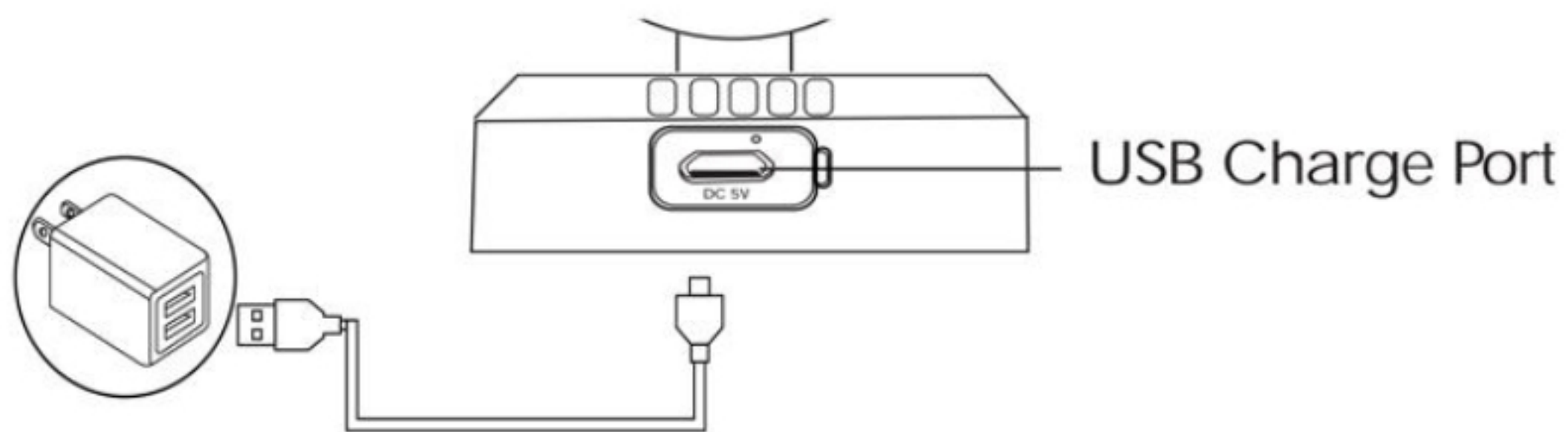able, it usually takes up to 10-14 hours to fully charge it.The power light of camera is red during charging and when the battery was fully charged, the power light will turn to blue.

USB Charge Port

Install a micro SD card

Please insert your micro SD card to the slot correctly according to the below picture. the camera only support class 10 above quality micro SD card from capacity 8GB to 128GB. Please make sure to insert the micro SD card when you power off the camera,Without an SD Card or cloud service, you will not check recording from your App.
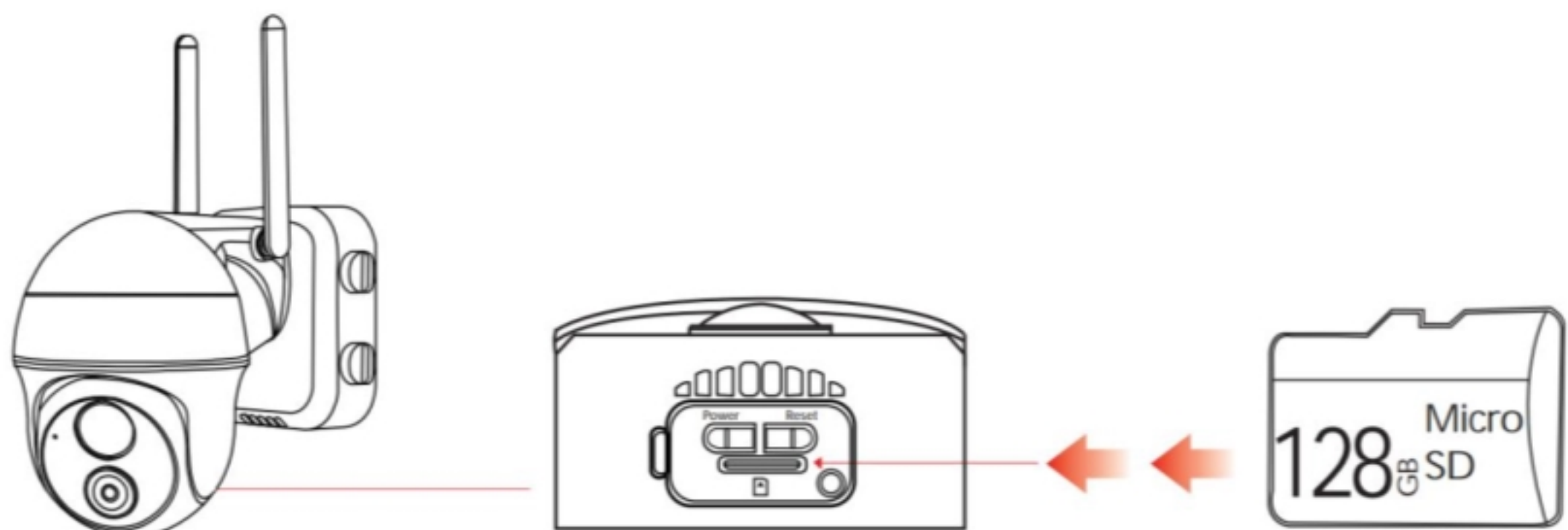
3. 1 Download & Install App

Download the **CloudEdge** App from Google Play™ or App Store™. The camera supports Android and iOS systems.

OR scan the QR code below using the QR scanner on your phone.

NOTE: Google Play™ is the trademark of Google Inc.

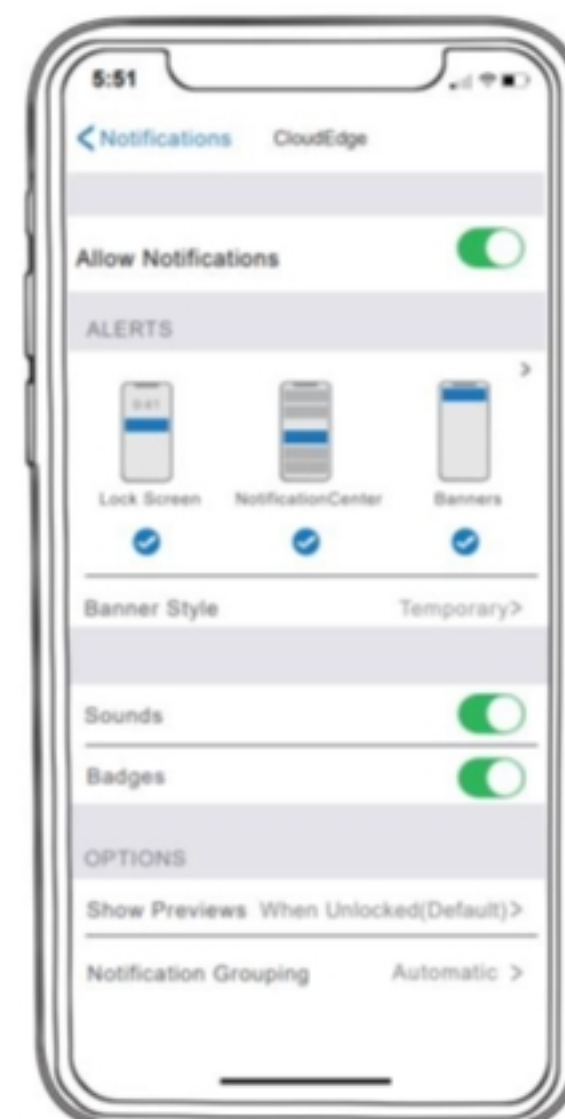App Store™ is the service mark of Apple Inc.

Tips: Please allow the following permissions.

1.Allow CloudEdge to access mobile cellular data and wireless LAN. Otherwise, it will fail to connect the camera.

2.Allow CloudEdge to receive notifications. Otherwise, the phone will not receive alarms when motion is detected.

3.2 Account Registration

New user needs to sign up "CloudEdge" App with email. Click "Sign up" to create a New Account and follow the steps to complete registration.
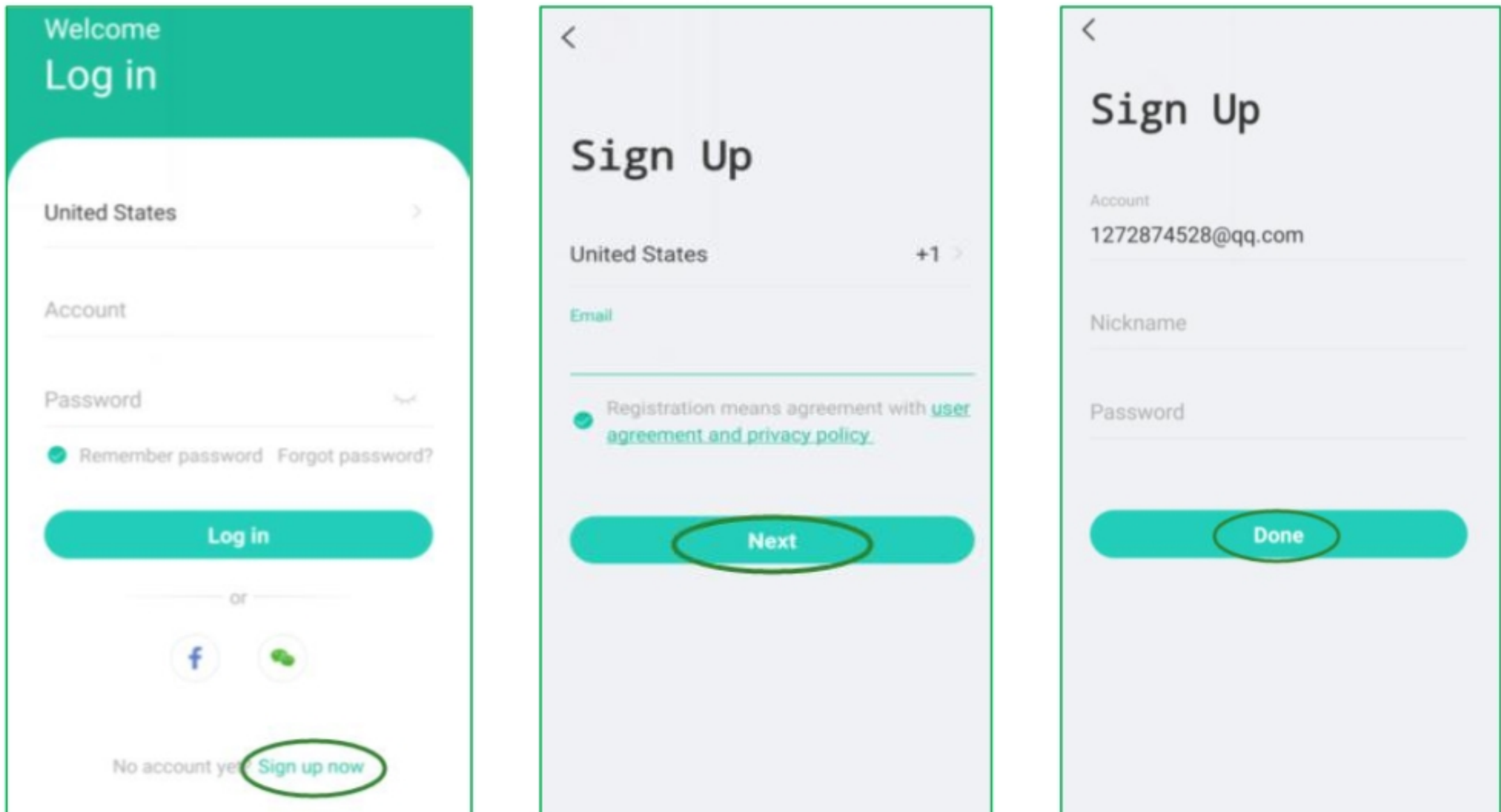
Tips:

①Please use the correct e-mail.

②Please select the correct country code.

③When registering for a new account, please select the region where you are actually located. **(Cameras cannot be shared between different registration regions.)**

Power on camera and Reset

1.Find the camera's power-on button. Press and hold it for five seconds, and you can hear the power-on tone. The mode indicator will red light slow flashing. If it can't be powered on, please plug in DC 5V 2A/1A power adapter to charge the camera first.
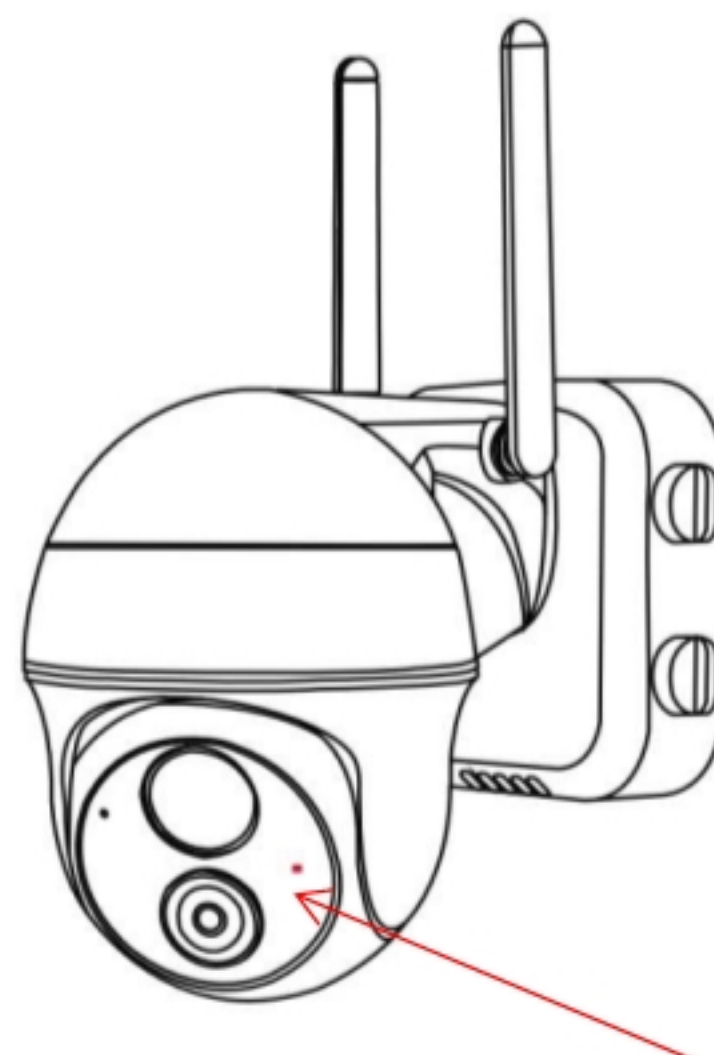
2.Before connecting the camera,please press and hold the reset button for 5 seconds to reset or restore factory when the camera is powered on.After you hear the sound of "Boogu",that's mean resetting successfully.

3.3 Connect Camera to CloudEdge App

Open CloudEdge App,we suggest that enable location service for WiFi connection.
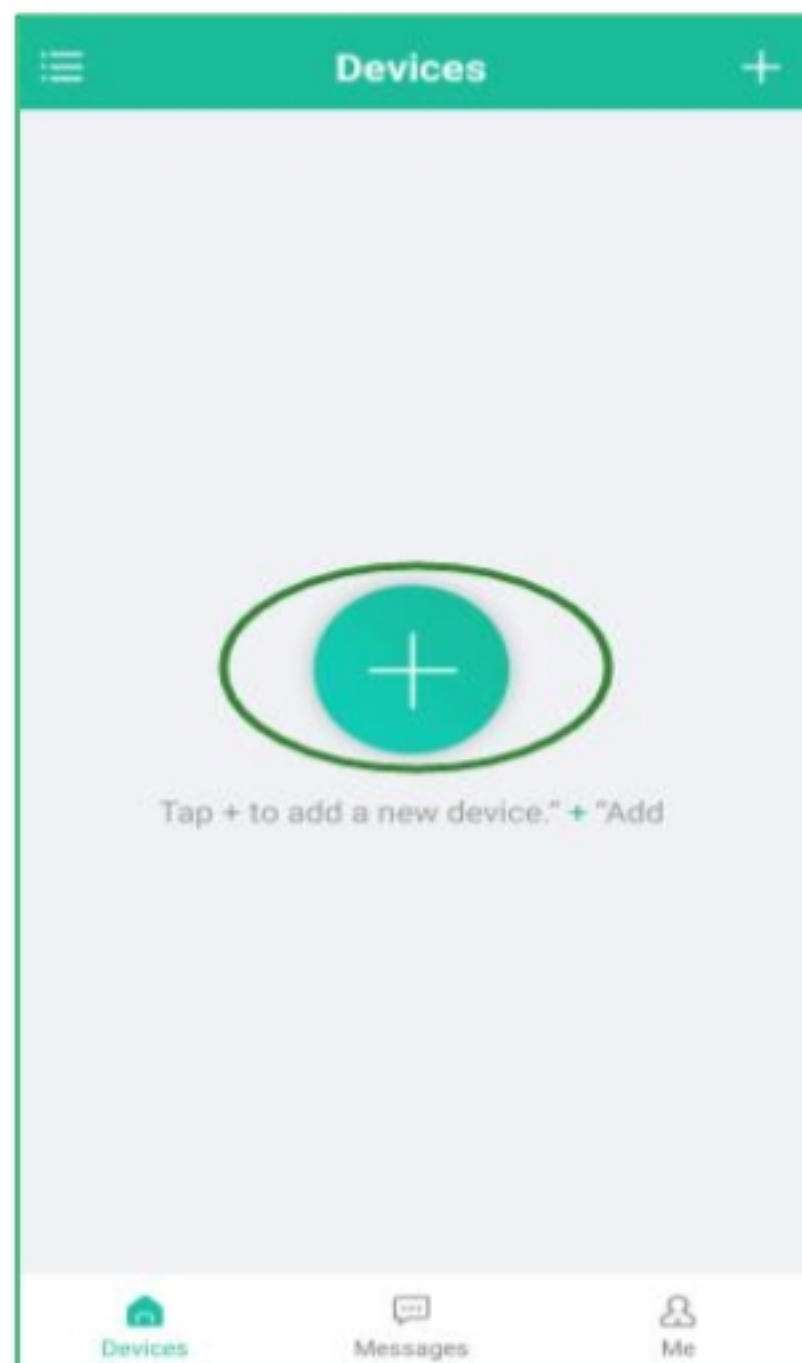
Tap '+' to Add Device
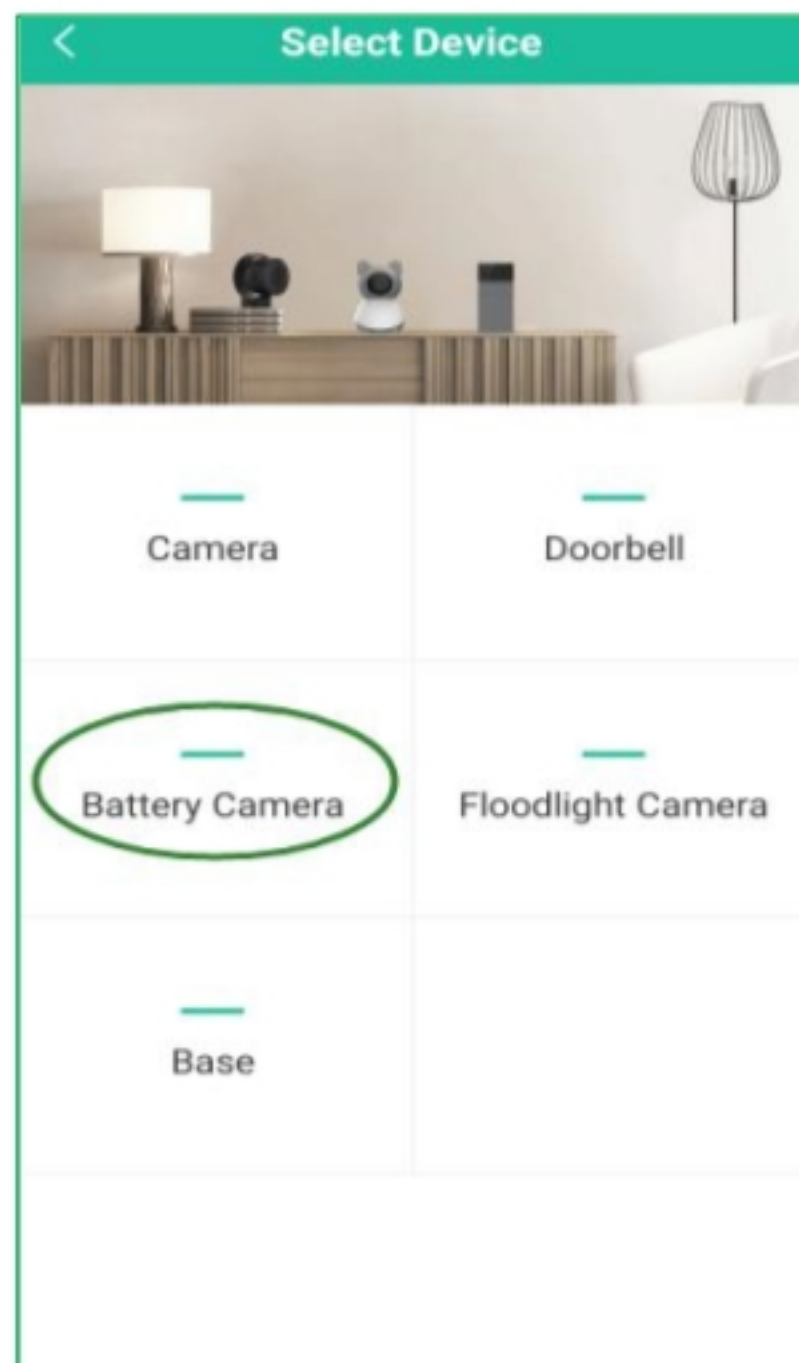
Select '**Battery Camera**'
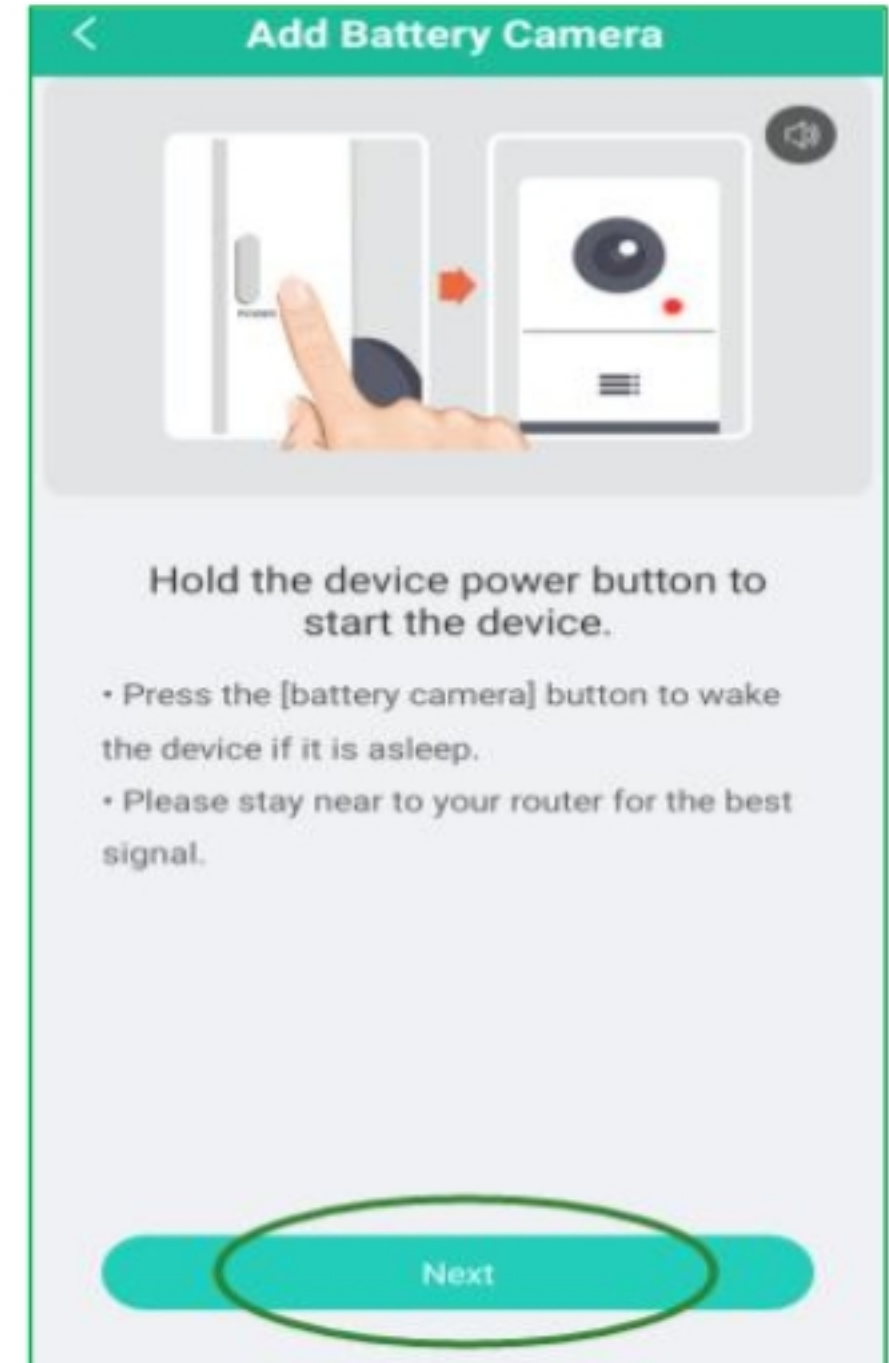
Tap 'Next'
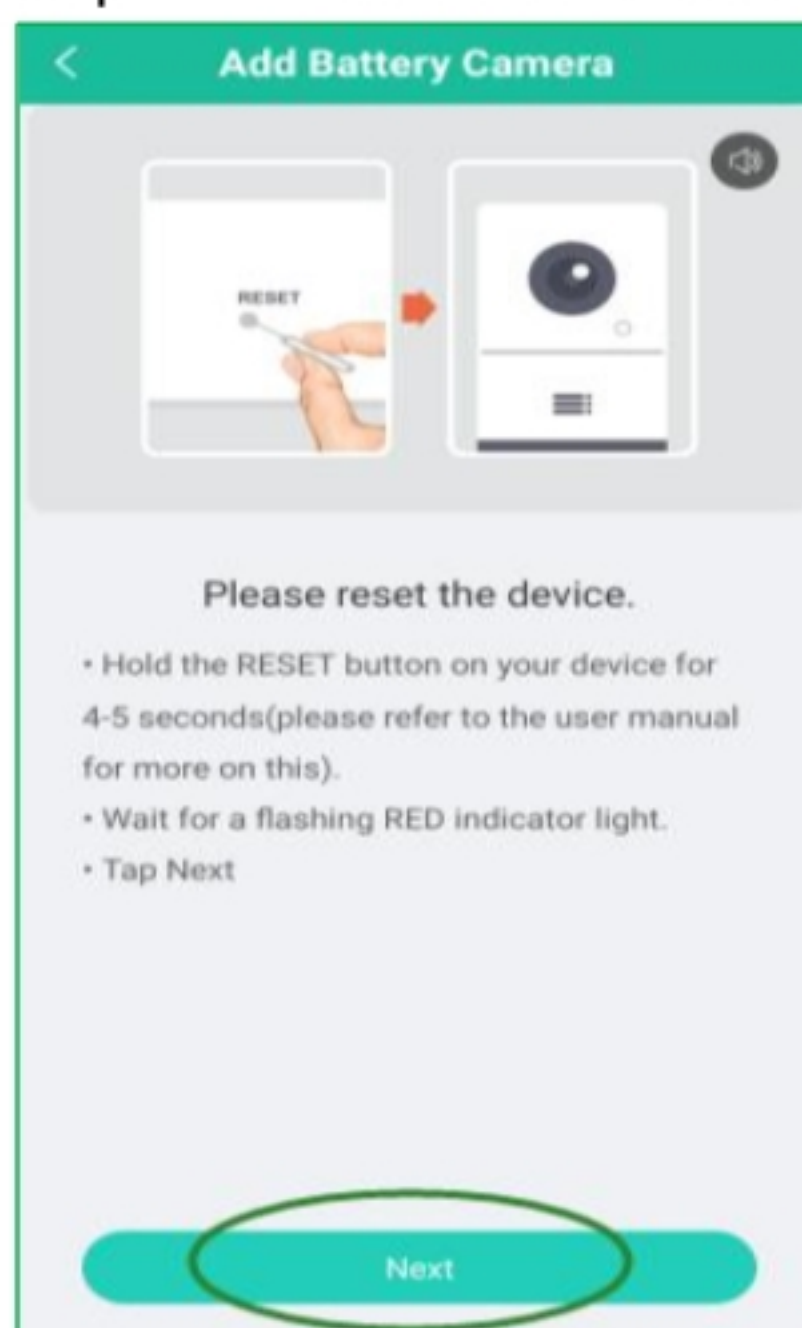
Tap 'Next'
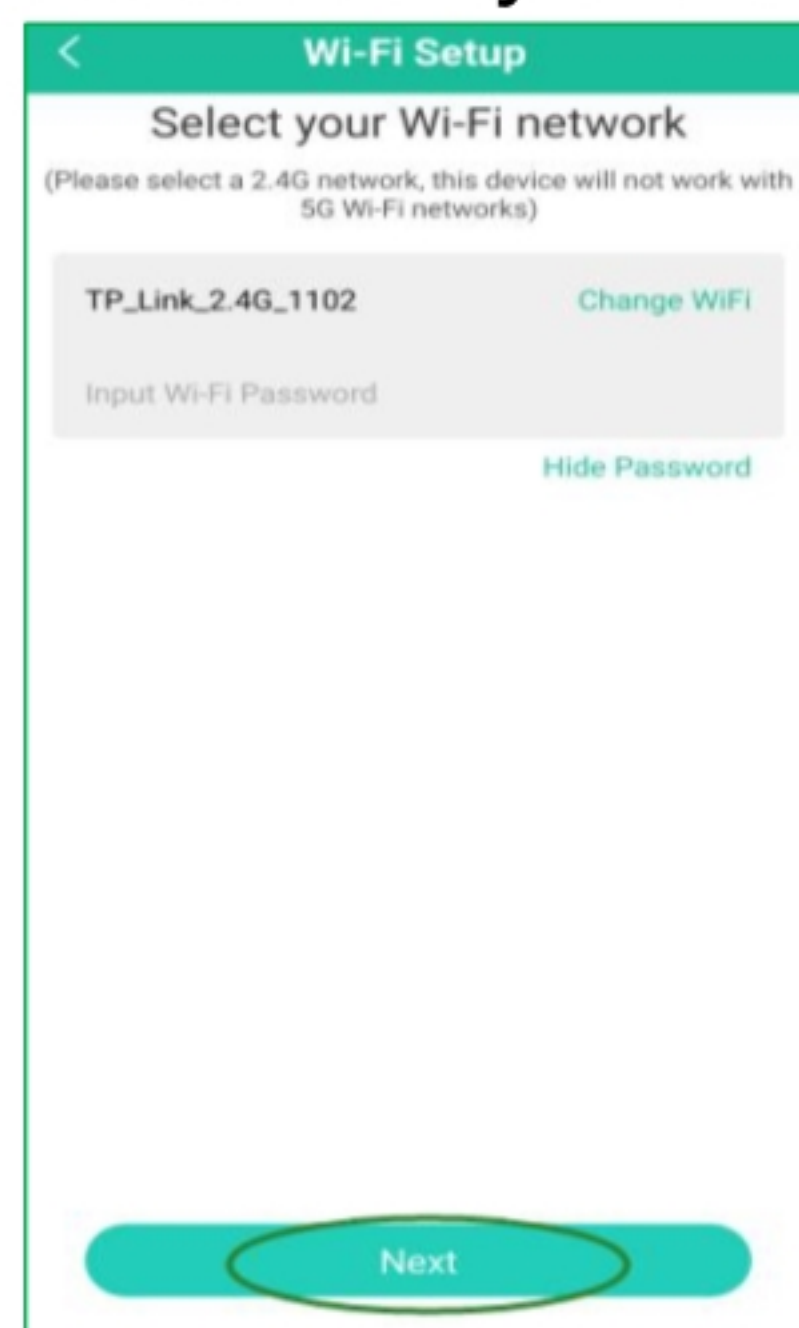
Input Wi-Fi Password,Tap 'Next'

Prepare the Scan
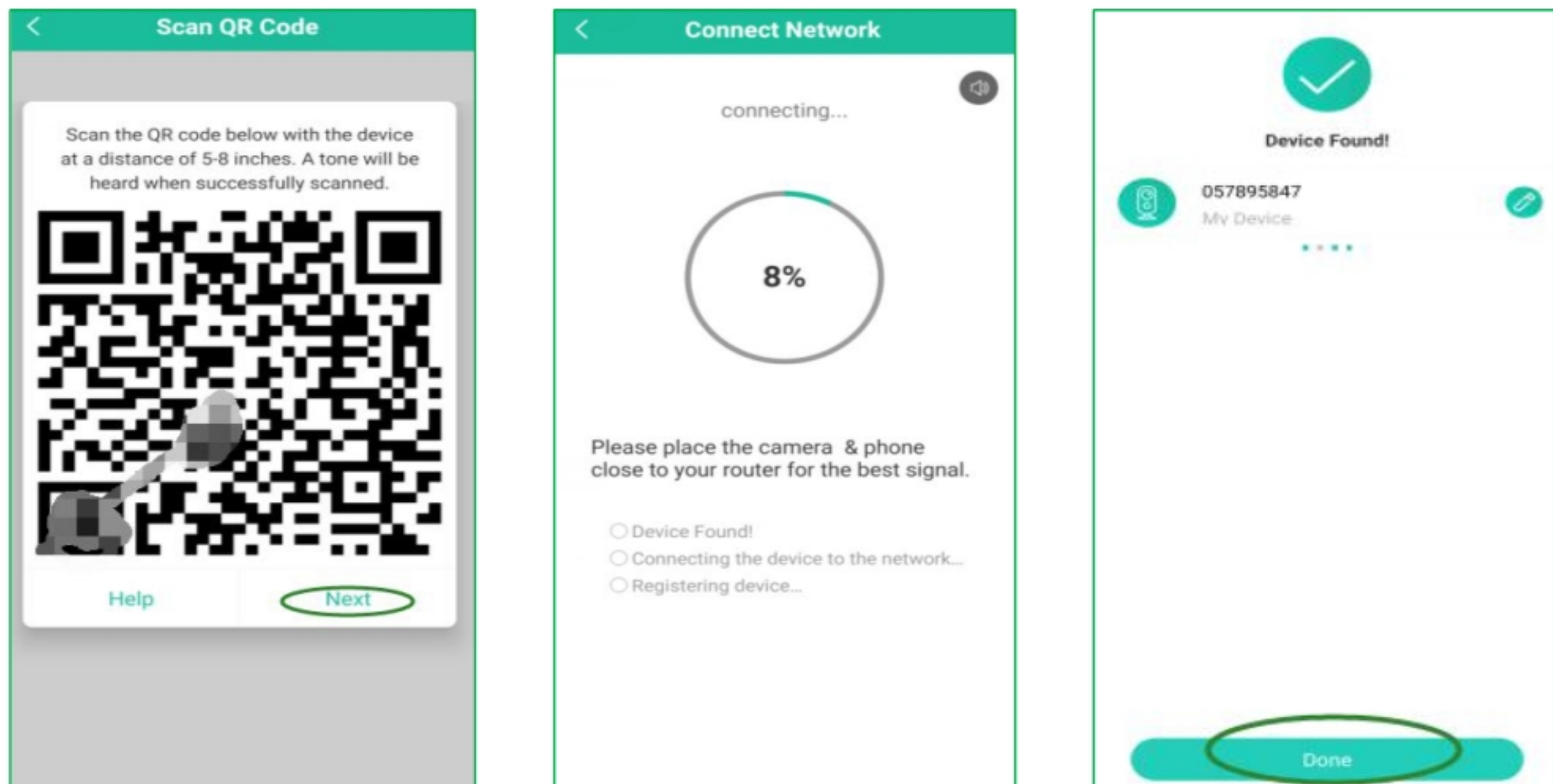
Put the QR code in front of the camera lens about 10-15cm.The camera lens is aimed at the QR code on the phone screen with a distance of 10-15cm. After the camera recognizes the QR code,The camera will make a sound "Boogu" and then click "next". You could edit the camera name after it skip to "Device Found Page" and start viewing videos.

My camera fails to connect Wi-Fi?

1.Please make sure the WiFi that camera connected is 2.4 GHz. In our experience, network connection is failed in most cases, which is caused by that users used 5GHz WiFi.

2.Make sure the password correction of the Wi-Fi. (Note: the password of the WiFi cannot include single quote, underline, space and virgule (/).

3. Check the number of the devices your router connected. In general, the router has a connection limits. Once the devices that your router connected excess the its max limit numbers, other devices will cannot connect the router.

4. Make sure the QR code on the phone screen is normal and the distance between the phone and the camera lens is 10-15cm (3.9-5.9inch) during the scanning process.

5.After checking the above information, if the camera cannot connect the Wi-Fi. please try to re-download the APP, reset the camera and restart the router, and then add the camera again.

6. if you tried all steps, but still no luck, please contact us for more help.

4. Camera Installation

Go to camera settings----Installation Guide,choose a location to install camera.
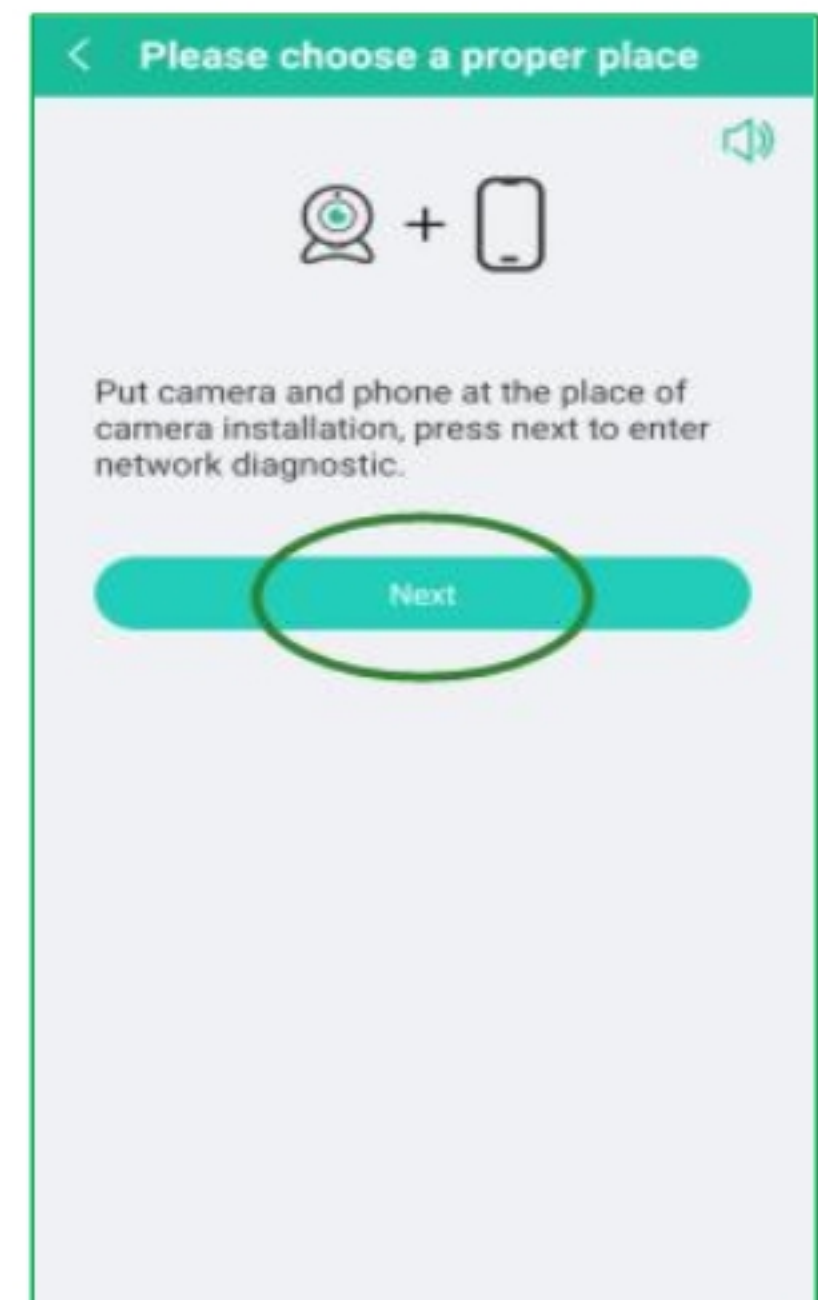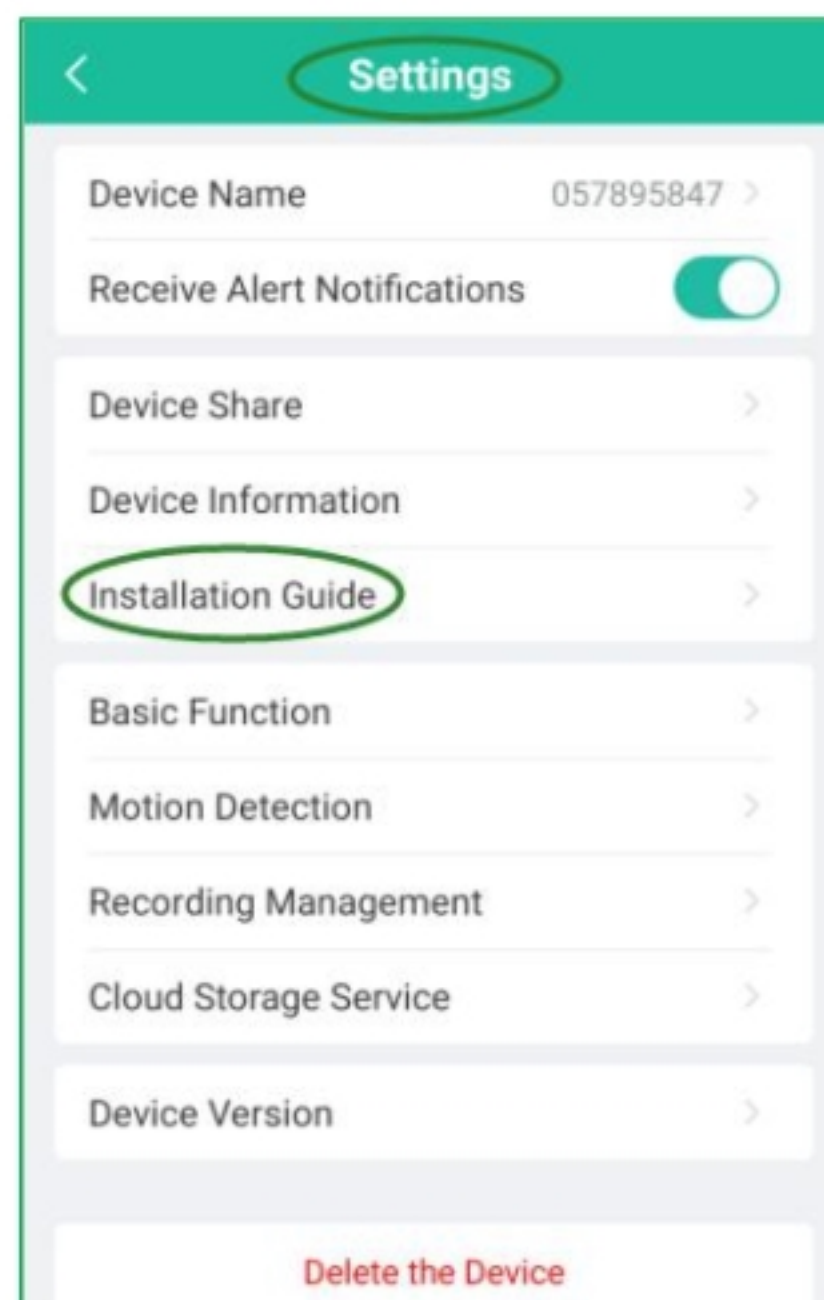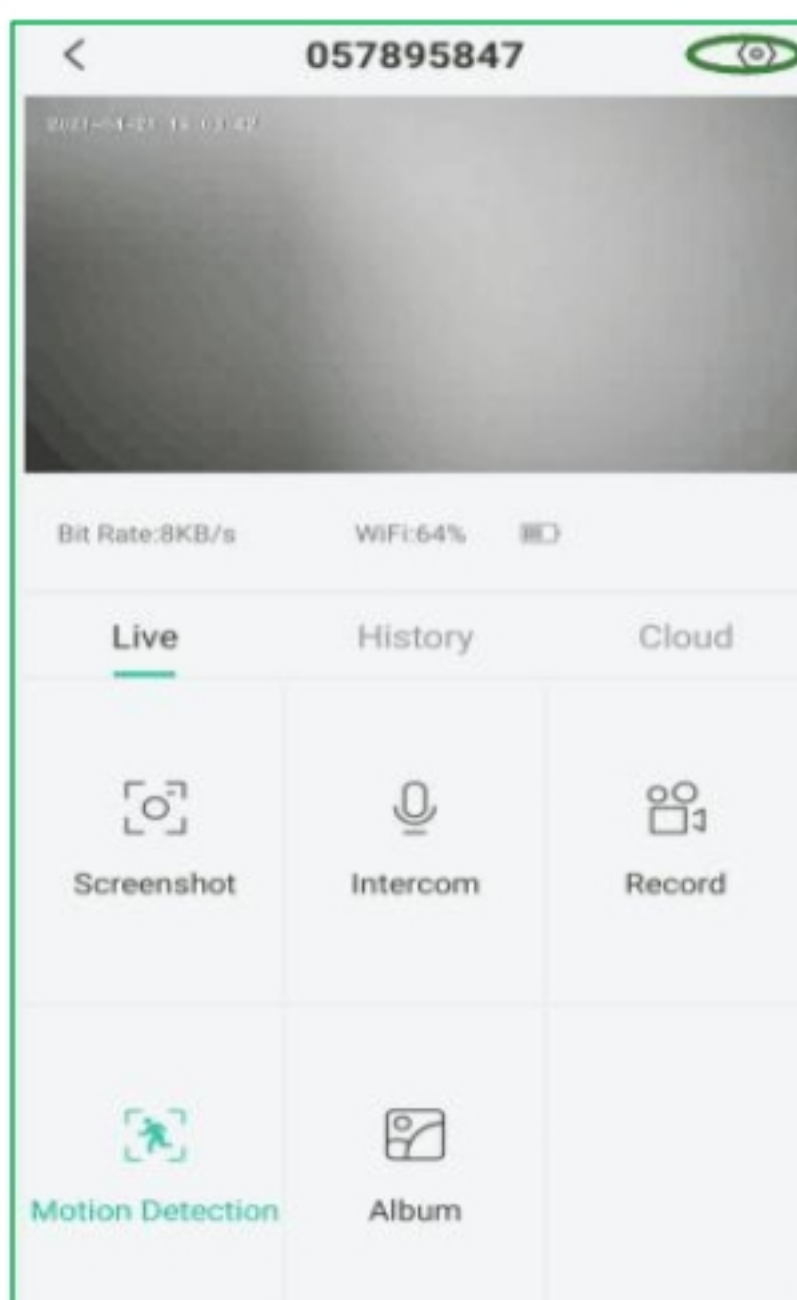
Camera Installation

4.1 Installation Steps

Step1: Choose a dry, clean, flat surface.Recommend attaching directly on a wooden wall; avoid uneven wooden and stucco walls.

Step 2: Use power drill and four screws to fix the metal bracket on the wall.It's suggested to install this camera at 8-10feet from the ground.

Step 3: Clip the camera into the metal bracket and use the four screws to fix the camera.
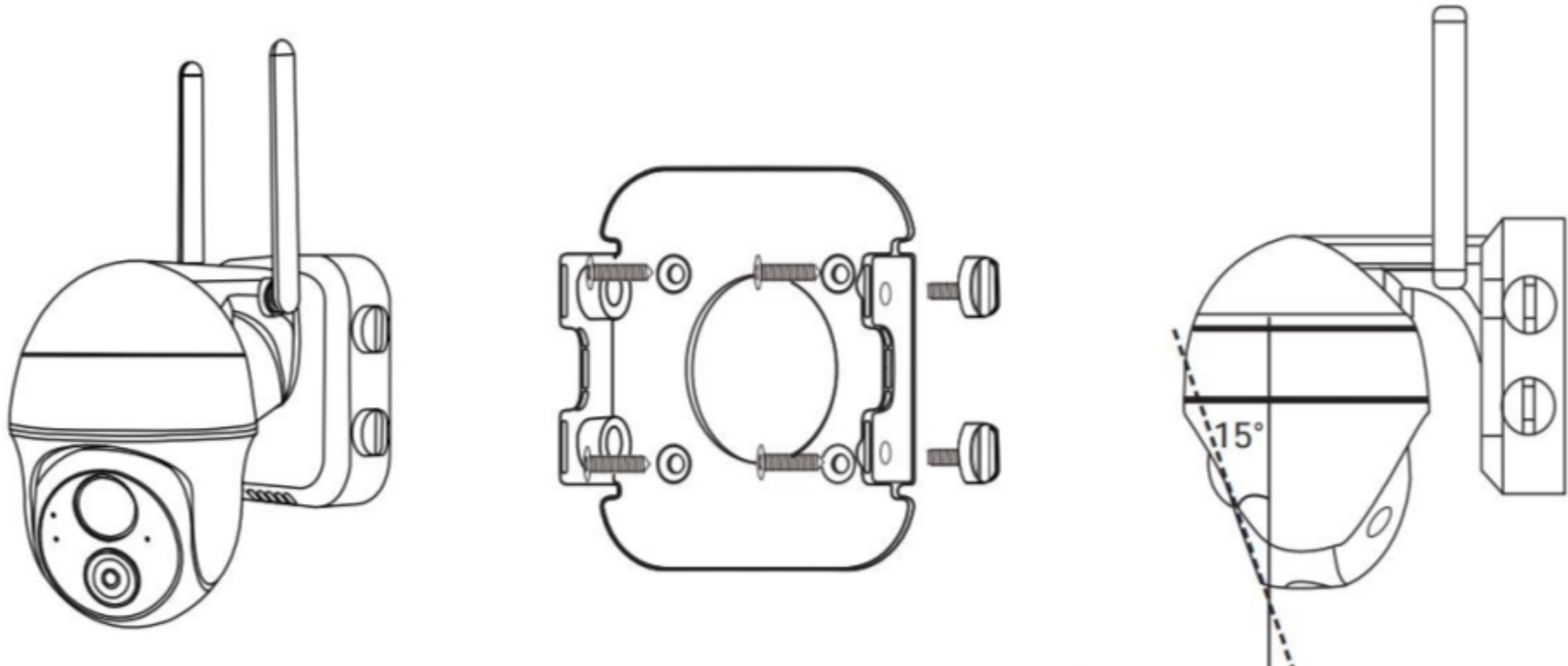
Suggestion:the best downward tilt angle of the lens is 15° to obtain the best alarm detection range.

15°

8.2 ft. Height → Motion Sensor Downward 10°

Detection Coverage

9.8 ft. Height → Motion Sensor Downward 15°

Detection Coverage
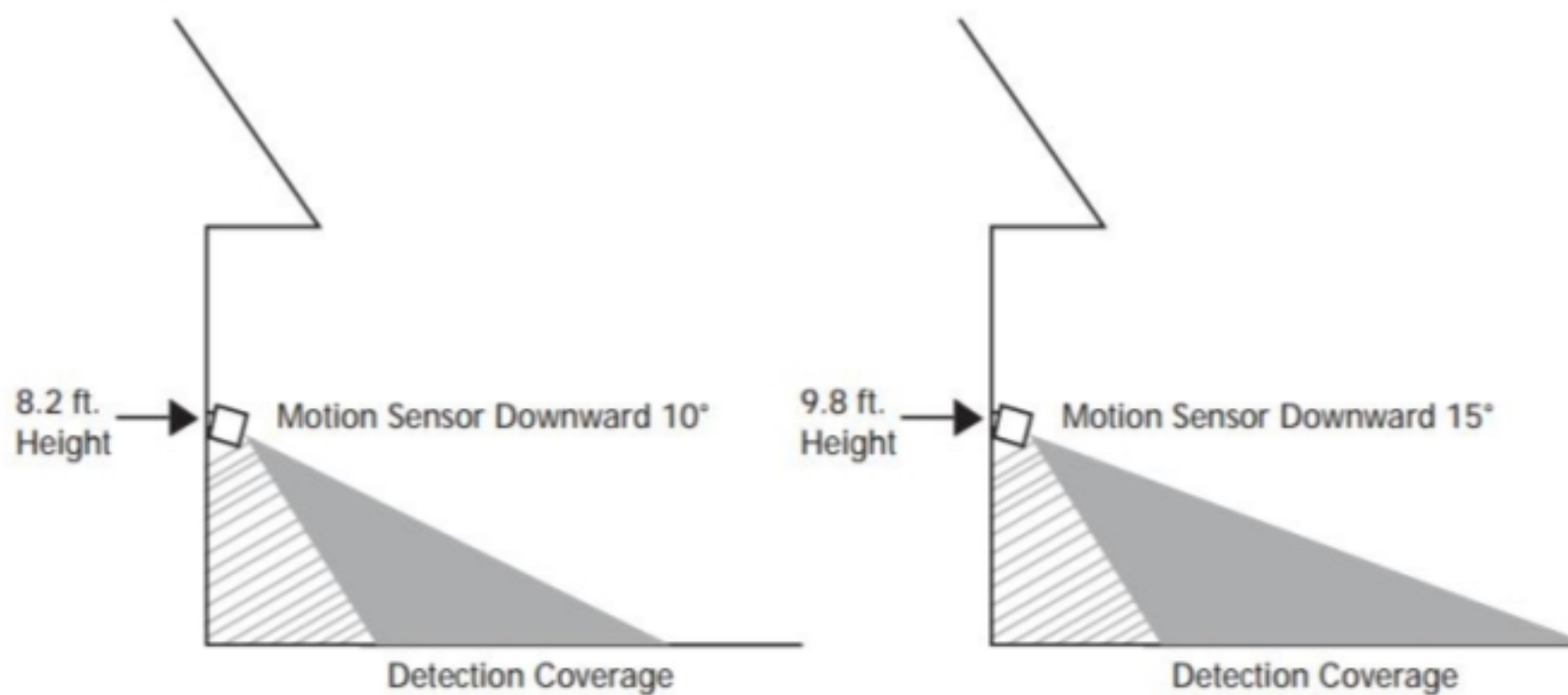
Recommended installation height: 8-10 feet above the ground,at this height, the sensor will provide a detection distance up to 40 feet.

4.2 Installation Tips

1.Make sure the camera is within Wi-Fi range.

2.Please don't install the camera at a position that nears heat source,such as Air conditioner outdoor unit and Kitchen smoke outlet.

3.Try to avoid installing the product in the side of a lively road.Frequent pedestrians and vehicles will keep waking up the camera,resulting in frequent alarm messages and extremely fast power consumption.

4.When installing the camera,It's not suggested to make the PIR sensor vertically face the moving object,it may not detect the motion events.It is suggested to make the angle between PIR sensor and detected object larger than 15 degree.

5.Solar Panel Installation

Sun

θ   θ
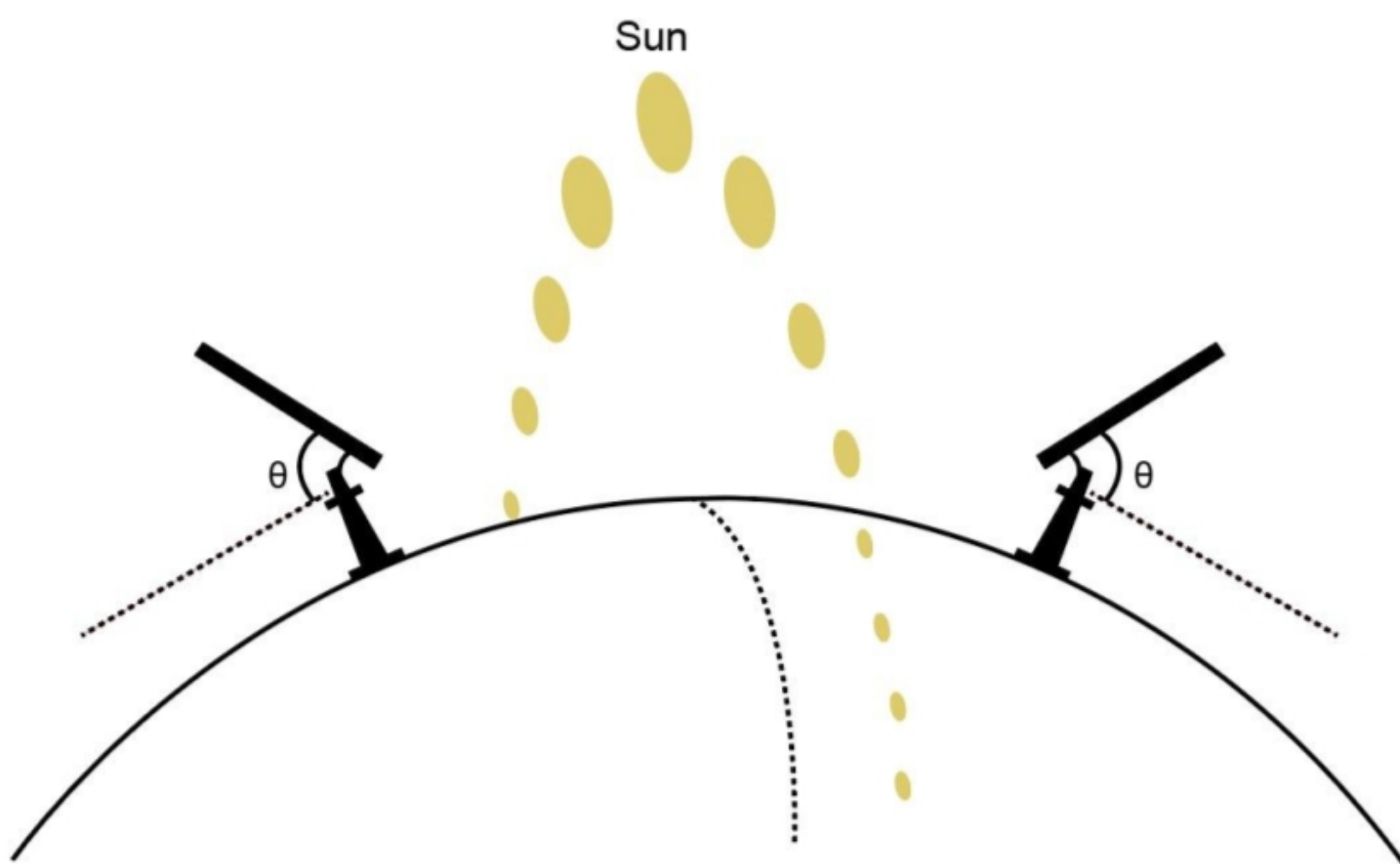
The Northern Hemisphere   The Ideal Angle= The Local Latitude + 5°   The Southern Hemisphere

Step 1: Please find a place which has sunlight for most of a day and adjust the angle to make sure maximum exposure.

The solar panel needs few hours of direct sunlight to convert solar energy into electricity. The conversion efficiency is affected by weather conditions, seasonal changes, geographic locations, etc.

Solar Panel Installation
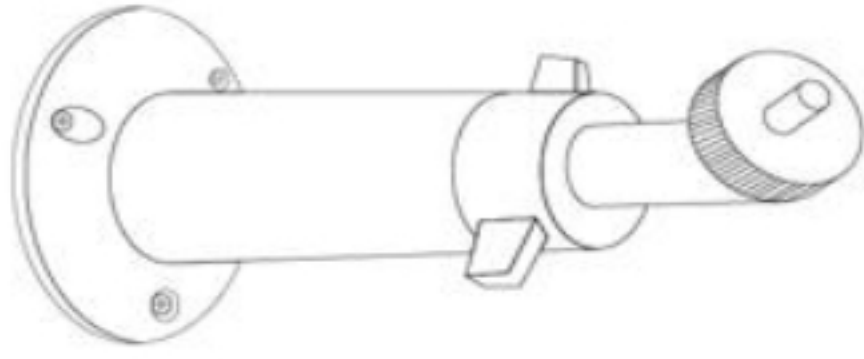
Step 2: Mount the bracket with the mounting template and the screws provided in the package.

Step 3: Slot the solar panel into the bracket and make sure it's secure.
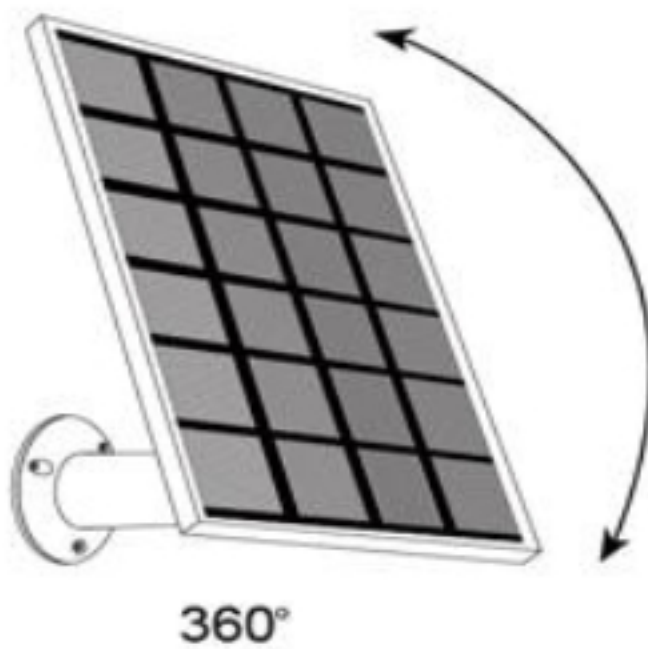
Step 4: Loosen the adjusting control on the bracket and adjust the angle of the solar panel to make it receive direct sunlight, and then re-tighten the adjusting control to secure your setting.

Step 5: Connect the solar panel to the camera with the micro USB cable.

Notes:

1. Make sure that there is NO blocking on the solar panel. The energy harvesting efficiency drops drastically even when a small portion of the solar panel is blocked.

2. Please don't install the solar panel completely horizontally. Otherwise your solar panel might accumulate dust and other debris easily. It's advised to install the solar panel angularly to make it receive direct sunlight.

3. Wipe the solar panel regularly to remove the dust or debris.

6.APP Interface

6.1 Device menu

After you have connected your camera to the App successfully, now you can live view the camera on your phone anytime and anywhere.Maybe you need check the device page first.

Live Page

Click triangle button on the picture to enter a live view, where you can screenshot a live page, have live talk, record live videos, turn on/ off Motion Detection. Please note that Pan Tilt Camera have PTZ control icon here.

Back (to device Page)

Live Time

Turn on/off
Speaker Volume

Check History
Stored in SD Card

Screenshot for Live Stream

Turn On/Off
Motion Detection

Camera ID/Name

Camera Settings

Wi-Fi Signal Strength

SD/HD
Video Resolution

Enlarge Page

Battery Sign

Check History Stored in Cloud

Keep Pressing to speak,
Release to Listen

Tap it to start Recording,
Tap Again to Stop

Store   Screenshots
and Videos

Pan/Tilt the camera

064931426

2021-05-05 16:28:08

Bit Rate:66KB/s   WiFi:84%   HD

Live   History   Cloud

Screenshot   Intercom   Record

Motion Detection   PTZ   Album

History Page

After entering live page, you can easily switch to history page.

Time Coordinate

Click the Button to Adjust Timeline Interval

Choose a Specific Date to Check Records

Take Snapshots of History Videos

Click it to Record Previous Video Clips

Check the Alarm in Specific Time(Choose Date First)

Store Screenshots and Videos in SD Card
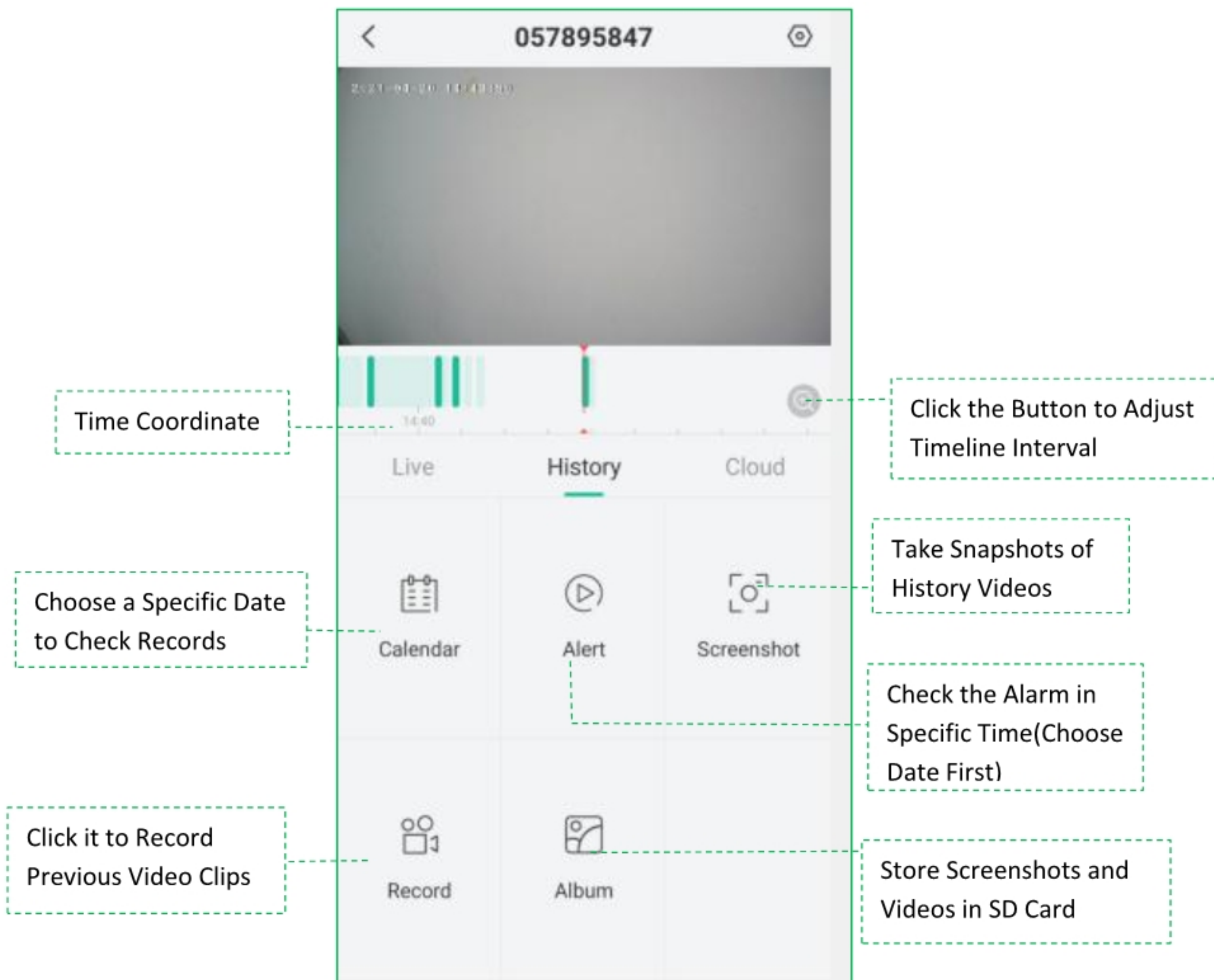
SD Card

An SD Card or cloud service is essential for storing videos or alert videos won't be saved and cannot be accessed. When the SD Card is full, the video clips recorded in the past will be automatically overwritten. You don't need to delete them manually.

Please note: We suggest you to format the SD card to FAT32 on your app for the first time use.

Requirements for SD Card :

- ● The card must be a Class 10 Micro SD card, reaching at least 10MB/ S.
- ● The camera supports up to a 128G Micro SD Card.

If SD card is not detected:

- ● Confirm the SD card has been fully inserted and locked in place.
- ● Use a card reader to test the SD card; try to format it to check if the SD card works well on PC.
- ● Try another SD card to check if it works well with the camera.
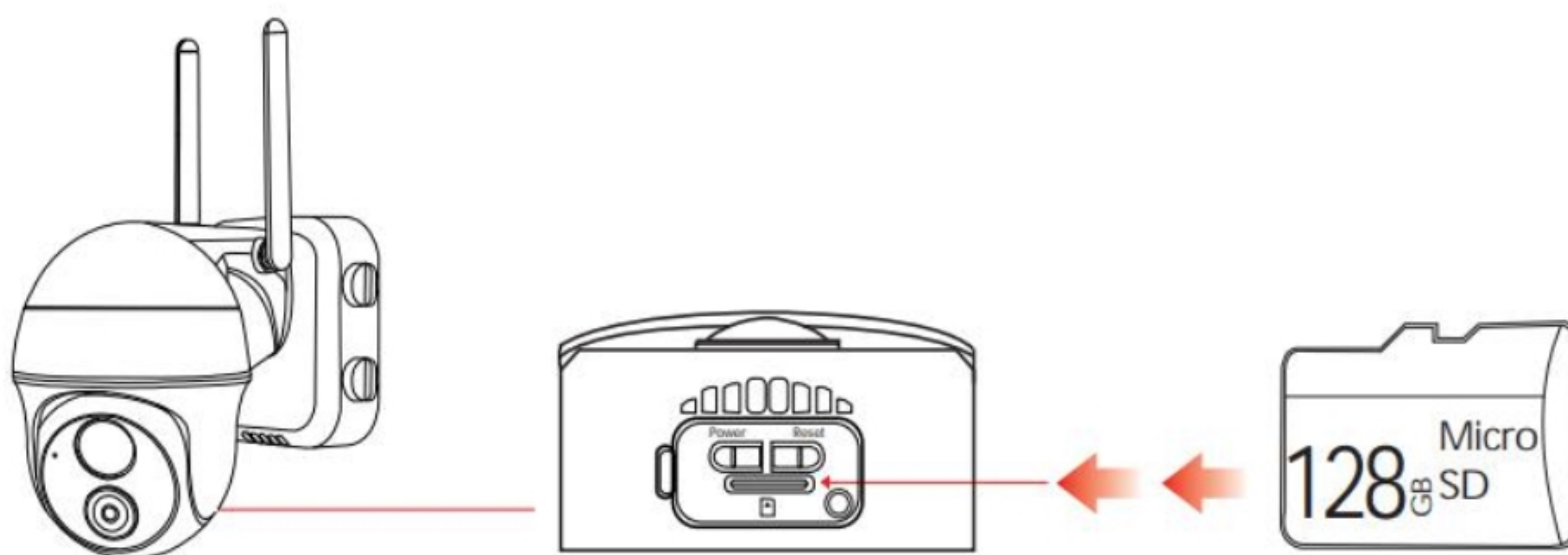
6.2 Playback PIR Motion Recording in SD Card

To replay the video, enter the History Column.

Click Calendar and choose date,Tap "Alert" button,

You can replay the video as you need.
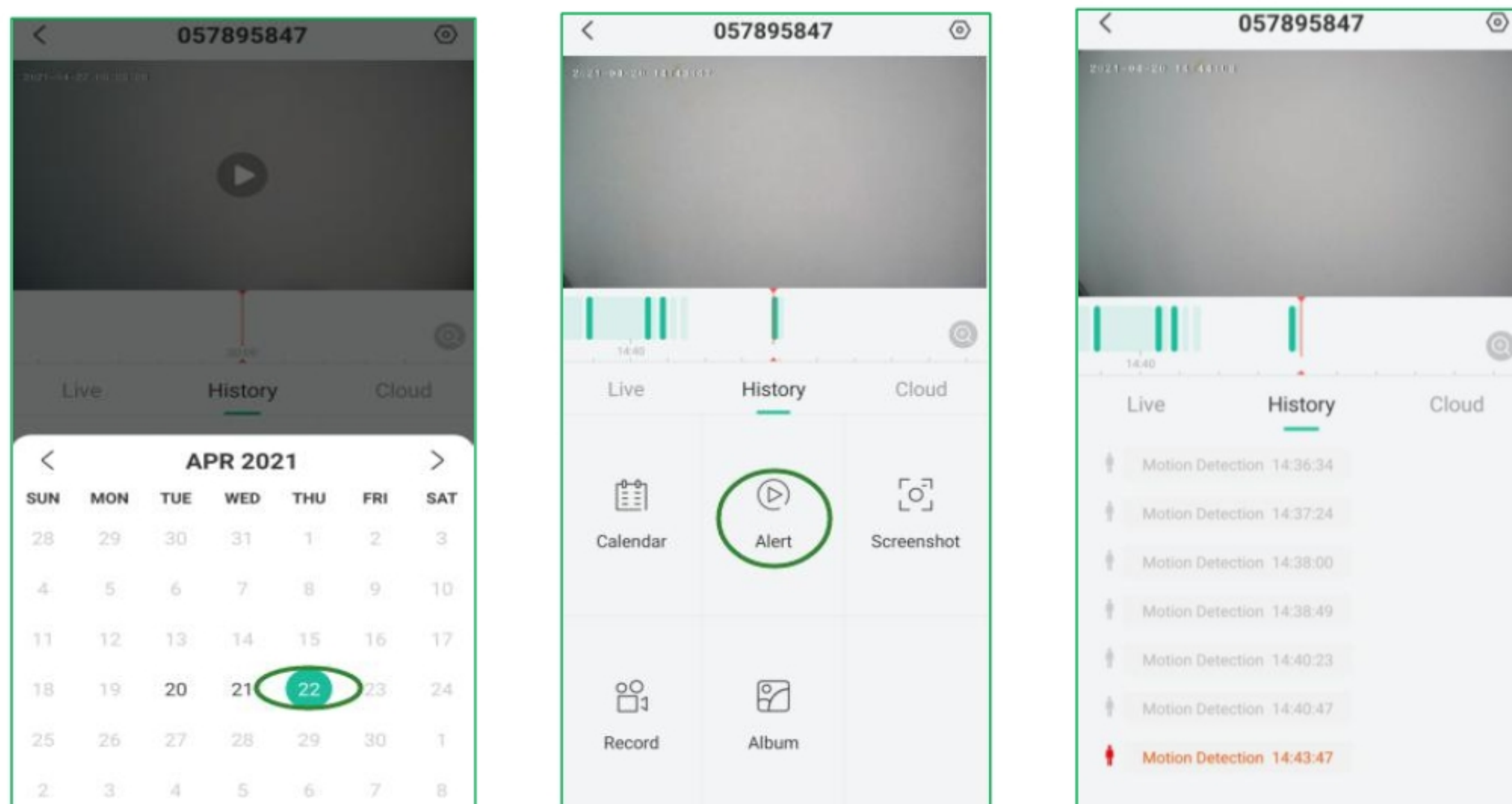
Cloud Page

About Cloud Service

A,You need to pay for a cloud service. Attached table for subscription fee.

B,The subscription is based on camera ID, not refers to App account. If you have multiple cameras, it requests to subscribe for each one separately.

Cloud Storage Subscription Fee		
	For One Month	For One Year
3 Days Loop Recording	$2.99	$30
7 Days Loop Recording	$4.99	$50
30 Days Loop Recording	$15.99	$160

Replay Video Restored in Cloud

To check history in cloud, please refer to same steps in History Page.

6.3 Camera Settings

Enter live view from device page, click the edit button to enter camera settings. You can set most camera functions on this page using the icon at the top right corner on Live View.

Settings

Device Name   057895847 →   Modify Device Name

Receive Alert Notifications   ⬤   Turn On/Off Notification

Check Virtual ID,Mac Address,Timezone,etc

Device Share ›

Device Information ›

Installation Guide ›   Check WiFi-Signal Strength Before Installation

Basic Function ›

Motion Detection ›

Recording Management ›

Cloud Storage Service ›   Camera Firmware Version (Check if Your Camera Version is the Newest)

Device Version ›

Delete the Device

6.4 Multi-User Sharing

You can share your device up to 4 users by selecting 'Device Share' on camera settings interface. Steps are as below.

1. Tap 'Add'.

2. Scan QR code of other user's account or manually enter other's email account.

3. Allow sharing on your phone.

4. Accept sharing request on other user's phone.

Note: Other user need to register on CloudEdge App first.

APP Interface

Device Share

The device has not been shared with anyone.

How do you share your device with others?

Add

Device Share

Share the QR code   Share the account

Recent Contacts

memorykeeper
18676382278

Device Share

memorykeeper
(18676382278)

Allow sharing camera "057895847"

Share

Device Share

memorykeeper
(18676382278)

Allow sharing camera "054931426"

Shared device usage permissions

Viewable only
Browsable devices, uncontrollable devices

Allow control
Can browse equipment information and control equipment

APP Interface

6.5 Basic Function

Network Indicator

Status light is default to be ON, showing blue when camera is working. If you want to hide the light, you can turn it off. Night vision light (red) will automatically show up in darkness. When night vision is turned off, light will go out.

Time Setting

There are two options: 12-hour system and 24-hour system. After changing, you need to wait a few minutes for the system to update.

Night Vision

Night vision is default as Automatic.
Video will turn to black-and-white from colorful when it's dark at night. If you set Night Vision on, video will keep in black-and-white both day and night.

Battery Setting

You can check the remaining battery of the camera at any time, and charge the camera in advance when the battery level is lo
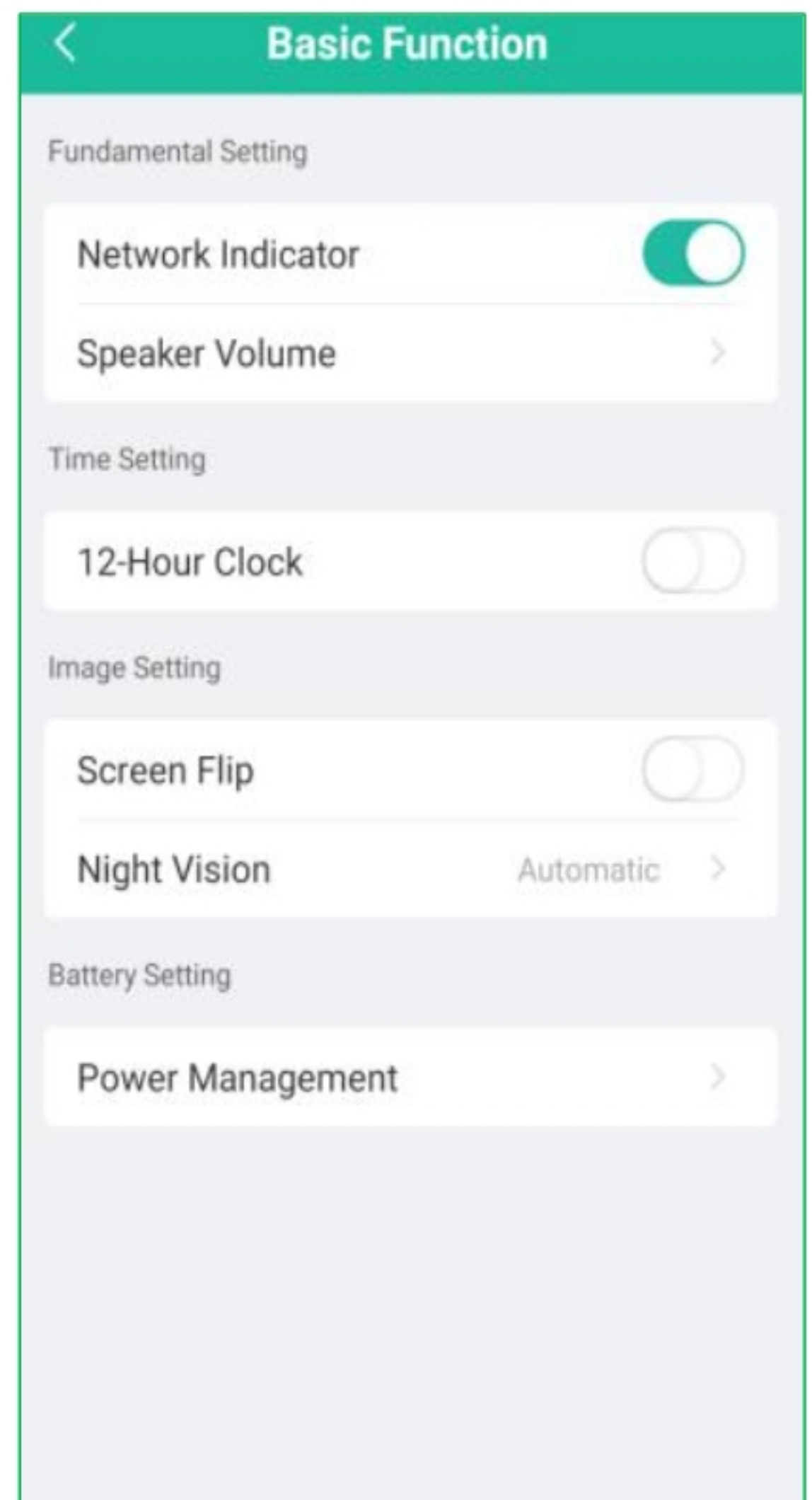
6.6 Motion Detection

The camera supports motion detection. You can turn on/off detection or adjust sensitivity (1-10 levels) and set alarm interval (Off, 2 minutes, 5 minutes, 10 minutes). Please make sure motion detection is turned on if you need to receive motion alerts.

This camera also support humanoid detection alarms.When you enable Day Detection or Night Detection,the alarm will only be triggered after humanoid detection.
Effectively avoid alarms caused by animals.
If you need to detect animals, maybe you need to turn off it.
Please note that it does not support auto tracking.

Motion Detection

Motion Detection

After turning it on, you can monitor the human behavior who stands in front of the device and send alarms. It is possible to choose different detection sensitivities.
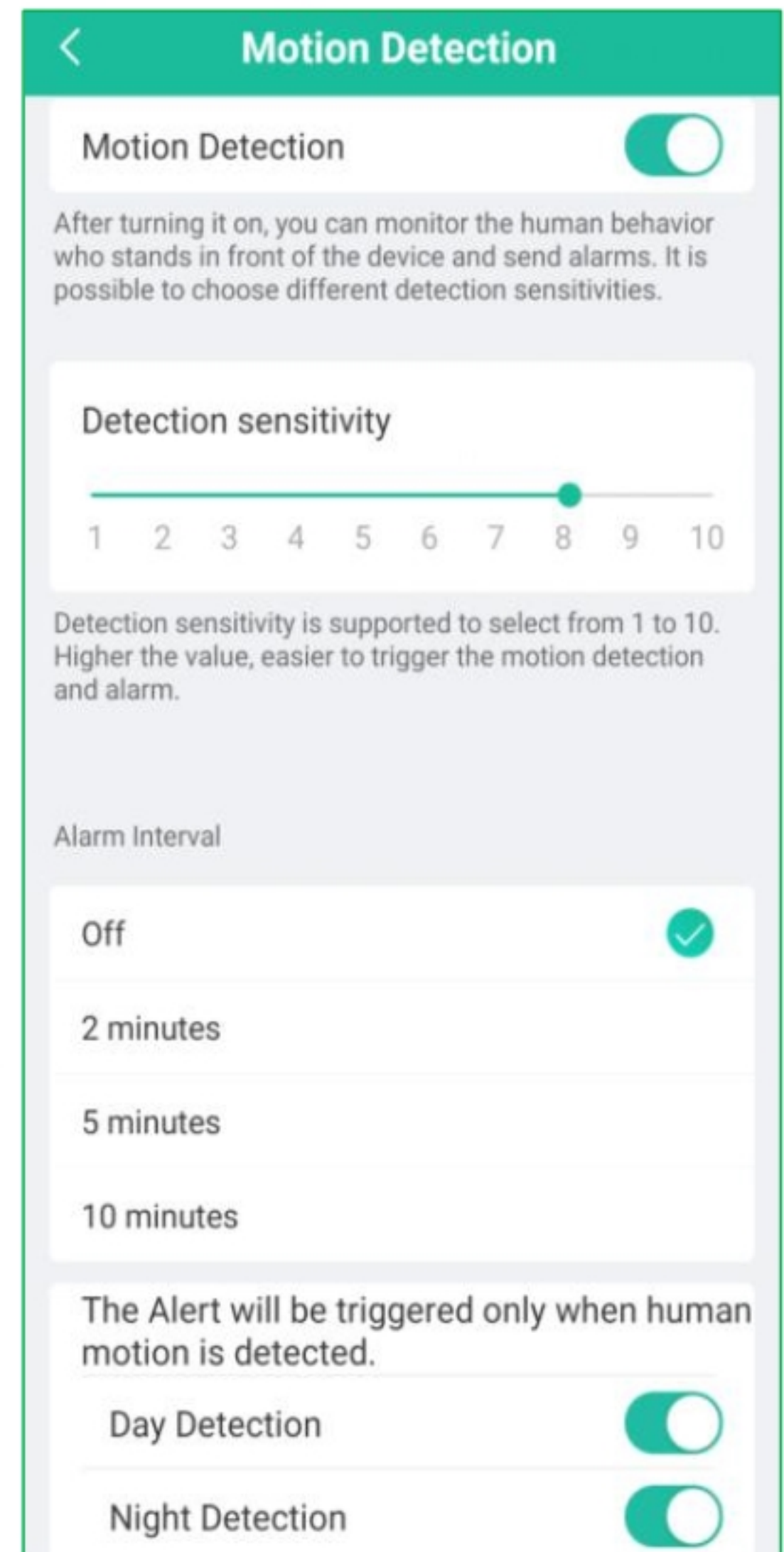
Detection sensitivity

1 2 3 4 5 6 7 8 9 10

Detection sensitivity is supported to select from 1 to 10. Higher the value, easier to trigger the motion detection and alarm.

Alarm Interval

Off

2 minutes

5 minutes

10 minutes

The Alert will be triggered only when human motion is detected.

Day Detection

Night Detection

PIR detection sensitivity

PIR body detection level is adjustable, you can set motion detection level to 1-10 grades.

Sensitivity Grades	Detection Distance (From moving and living objects)
1-3	13-16ft (4-5 meters)
4-7	16-23ft (5-8 meters)
8-10	23-40ft (8-13 meters)

Tips:

When you encounter the following problems in using this camera,you can adjust the motion detection sensitivity to solve them.

1) .It is recommended that you set the alarm sensitivity to level 8-10 if having any missed or delayed alarm frequently.

2) .It is advised that you set the alarm sensitivity to level 1-3 if having false alarm frequently.

3) .It is recommended that you adjust the sensitivity to lower level.Alarm sensitivity and detecting distance from high level are too far to easier false triggering.In winter,It easily caused false alarms because of bigger temperature range.Also,PIR alarm will be interference form weather and temperature.

4) .It is recommended that you adjust the sensitivity to higher level.In summer,It caused missed or delayed alarms because of smaller temperature range.

Alert Plan

The camera will work during a specified time period. You can create an alarm plan to set working hours for the camera.

6.7 Recording Management

The camera supports Event Recording.
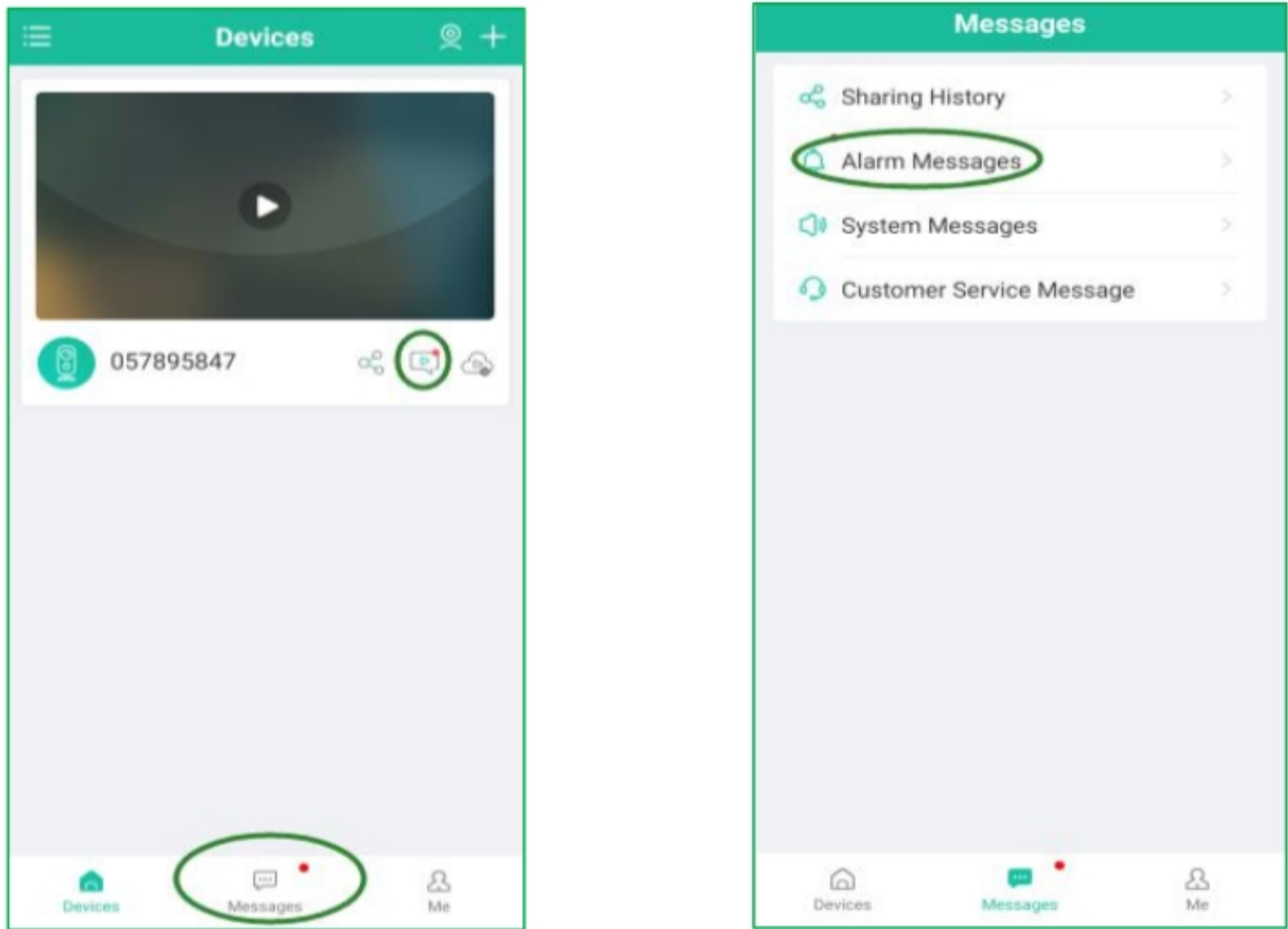In Event Recording mode, you can set recording time as 10,20,30 seconds.
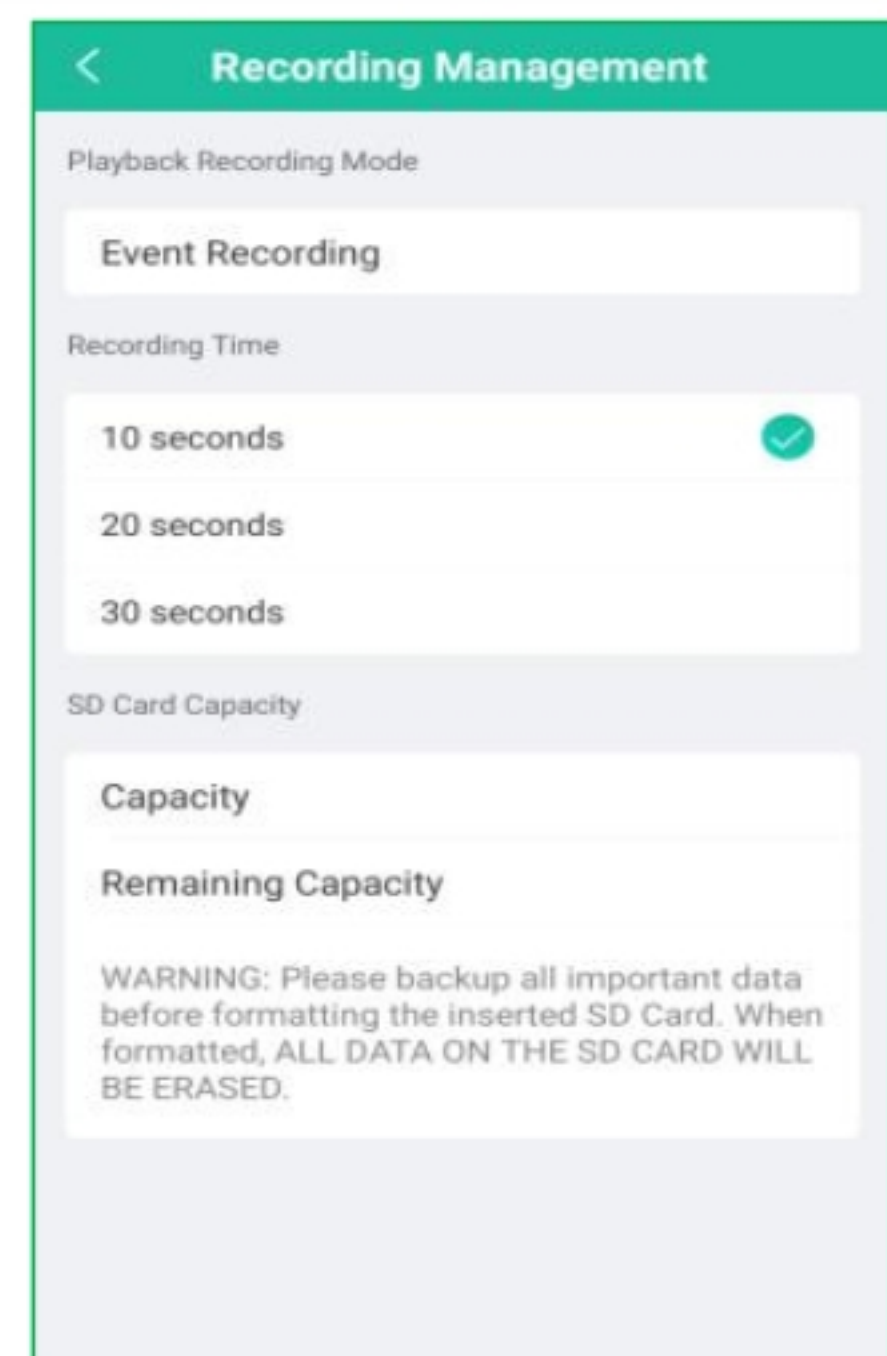
6.8 Message Menu

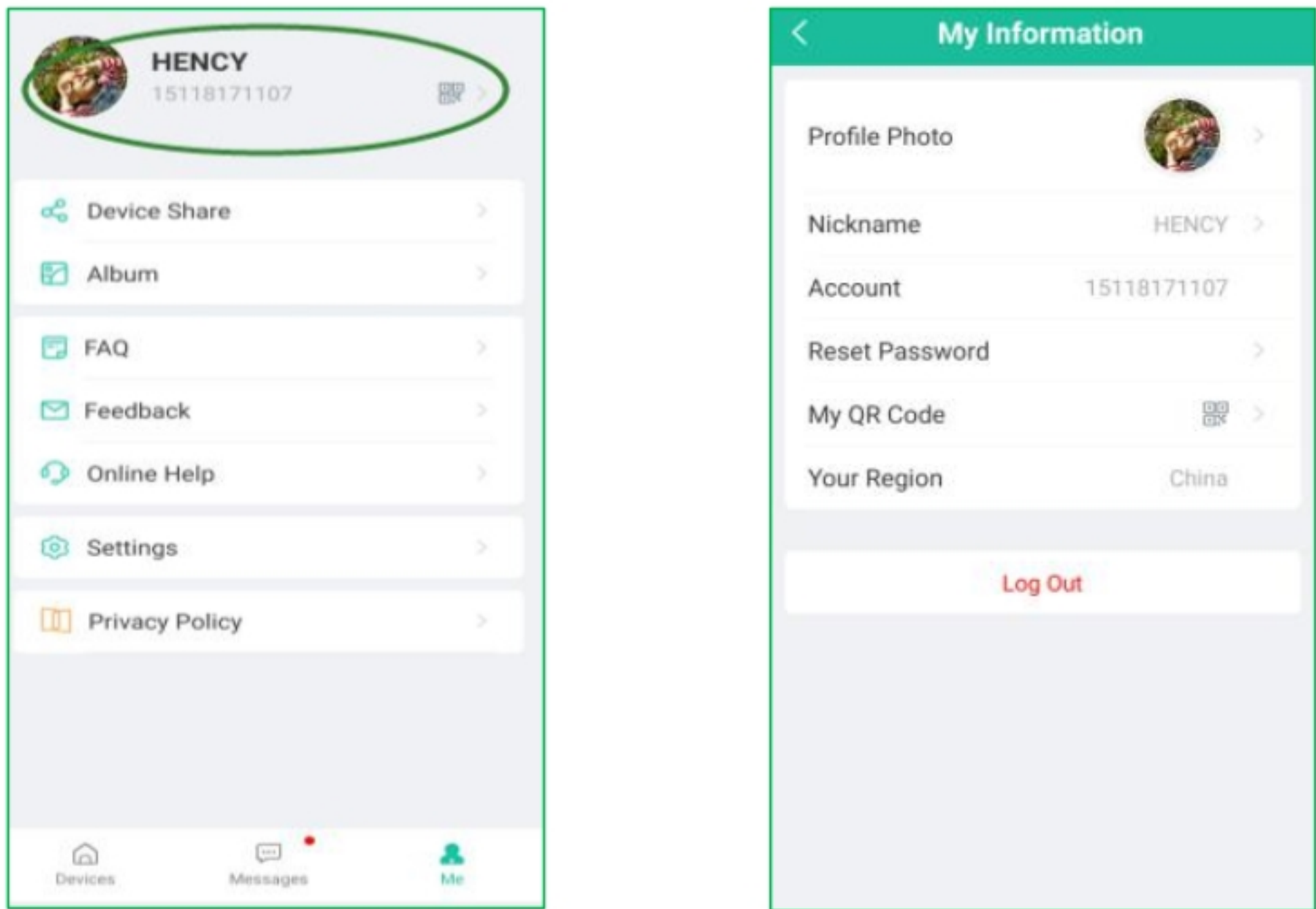10.1 Records Playback/Delete

Enter Alarm Messages to check or delete alarm records.

You can also enter alarm messages from device menu.

6.9 Homepage

In your homepage, just click the QR code to enter your profile where you can easily change your account name or password.

6.10 Album

All screenshots or manually recorded videos on live/history/cloud page will be saved in Album. Files here can be saved in your phone Album or shared to others directly.

Notes: Recorded files on the SD card/Cloud are specially encrypted and cannot be saved or shared directly with other devices. However, you can manually record videos and share them to others from Pictures & Videos. Or you could also contact us for file converter package by which you can transfer the file to preferred format and share with others freely. (for SD card only).

6.11 Online Help

If you like the product, welcome to share your comment.If you meet any problems, please feel free to contact us at **support@alptopsecurity.com**
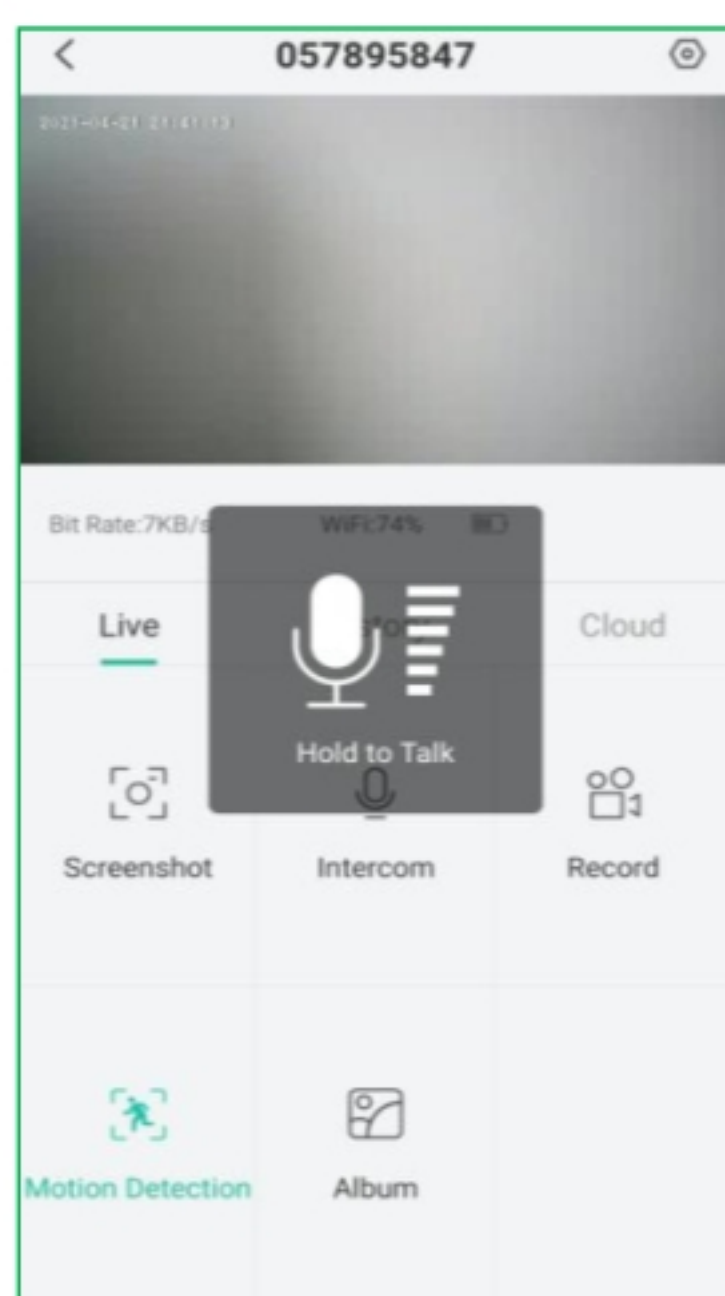
6.12 Two-Way Audio

Step 1: Activate the audio option.

Step 2: Press and hold the intercom button to speak.
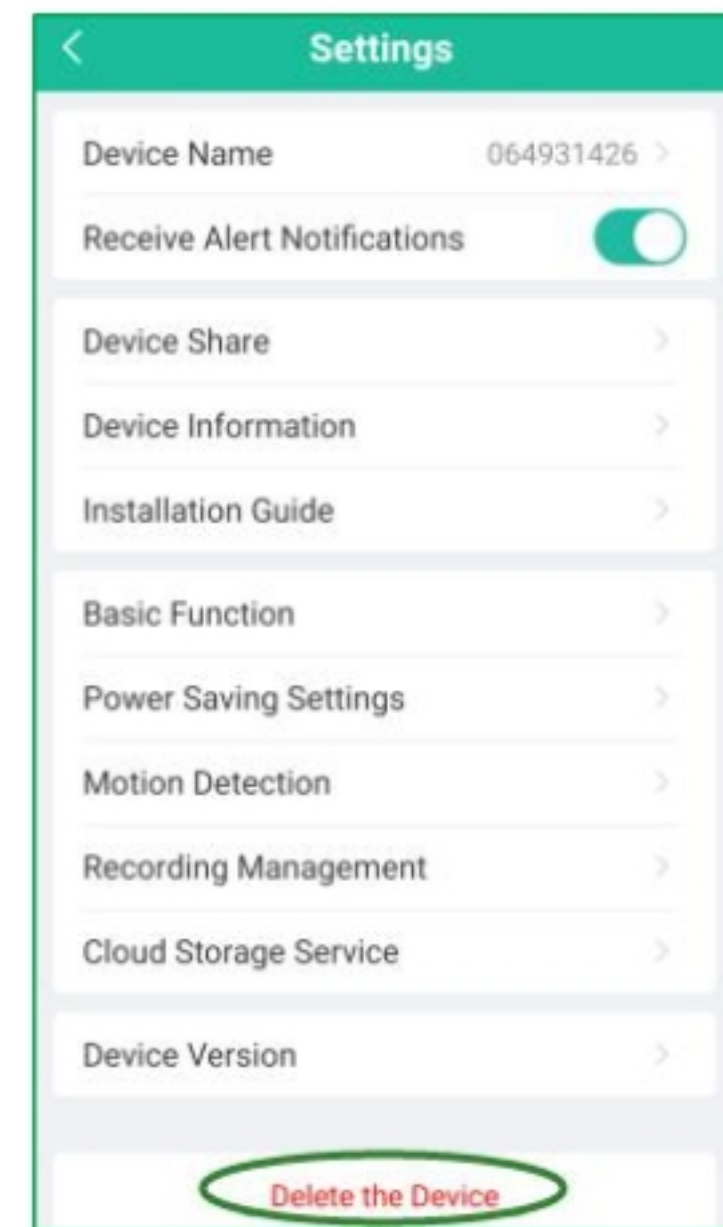
Step 3: Release the button to listen.

Tips: To activate audio function, please allow App to activate the microphone.

7.Delete the Device

In settings menu,you can delete camera.
If the camera goes offline, delete the
device from the App, reset the camera
and reconnect.

8. Battery Management

The camera has built-in 15000mAh 21700 batteries, which can be used for 5-6 months (wake up 1500 times) in theory, assuming the camera wakes up 10 times per day and watching 10 minutes of video.The life of the battery depends on the times of the camera's wake up. The more the times of wake-up,the faster the battery capacity is consumed.

If the device does not detect a moving object,the device will enter sleep mode,reducing the power consumption of the device.

If the device detects a moving object,it quickly wakes up and starts within 1 second and takes screenshot with recorded video.

Tip:When the temperatures is below -20°C,the battery may enter self-protection mode,which caused the camera automatically be shut down.But if the temperature rises,the battery will automatically return to normal status.

At the low temperatures,if you need to charge this camera,please place it on home several hours first.In room temperature,the self-protection mode of the battery will automatically be shut off to charge this camera safely.

Battery Management

Why the battery drains fast?

A.Please check whether the number of alarms is too frequent.Because the working time of the device determines the battery life.The more frequent PIR wake-ups,the faster the battery consume due to the longer working time.It is recommended to appropriately lower the motion detection sensitivity of the device and set the alarm interval and alarm time plan.Outdoor air conditions units,moving cars and the passing pedestrians will cause frequent alarms.Please adjust the angle of the device to avoid these objects.

B.In cold weather,the battery capacity will be reduced,which will affect the endurance of the device.

How to Reduce False Alarms?

● Do not install the camera in a position facing any objects with bright lights, including sunshine, bright lamp lights,etc.

● Do not place the camera too close to a place where there are frequently moving vehicles. Based on numerous tests, the recommended distance between the camera and vehicle is 15 meters (55 ft).

● Stay away from the outlets, including air conditioner vents,humidifier outlets, the heat transfer vents of the projectors, etc.Do not let the camera face the mirror.

● Keep the camera at least I meter away from any wireless devices in order to avoid wireless interference, including Wi-Fi routers and phones.

● Adjust the sensitivity of motion detection to reduce the camera's motion detection range.

● An alarm plan can be set to reasonably divide the time period for camera alarms.

● The alarm interval of the camera can be set to avoid uninterrupted alarm.

● It is recommended to set the maximum shooting time of the camera to 10 seconds.

● It is recommended to place the camera in a stable network environment.

9. Product Specification

Camera	Specification
Image Sensor	1080P Color Sensor 1/3 CMOS
Audio Input/ Output	Built-in Microphone and Speaker
Lens	2.8mm
Angle of View	120 Degree
Day &Night	Electronic(IR-CUT Filter with Auto Switch)
Network	
Alarm Trigger	Intelligent Motion Detection, Support PIR
Wireless Security	WEP, WPA, WPA2
Remote Wake-up	Support
Wireless	2.4G Wi-Fi(IEEE802.11b/g/n)
Supported Mobile Phone OS	iOS 9 up, Android 4.0 up
Security	User Authentication, Software Encryption
General	
Operating Temperature	–20 °C to 50 °C (-68°F-122°F)
Power Supply	Support, Optional, DC 5V/2A
IR Distance	**Night Visibility up to 50ft/15m**
Compression Standard	H.264
Bit Rate	16Kbps~2Mbps
Dual Stream	Yes
Image Resolution	1080P(1920*1080), VGA(640*480) 25fps

10. Trouble Shooting

N0.	Description	Solution
1	Unable to Register Account	Make sure you select correct country and enter correct email.
2	Unable to Connect Camera	1) Check your Wi-Fi name and password is right. 2)Ensure your Wi-Fi is 2.4G. Not support 5G. 3)Confirm your camera and phone close to router.
3	Reset	Keep pressing the reset button for 5-10 seconds Hear "Boogu" sound,Status light flashes slowly in Red.
4	Change to New Network	1)Remove the camera in CloudEdge App. 2)Press the reset button to factory setting. 3)Re-connect the camera.
5	No Motion Detection	Ensure you have turned on motion detection on App, The status light blinks blue when motion detected.
6	Frequent Alarm	Adjust the installation angle to detect only the main zone you want to detect,Adjust the motion detection sensitivity to Low Grades.
7	Why Someone Crossed without Alarm	1)Make sure motion detection is turned on. 2)Confirm camera is within the range of PIR monitoring area.
8	No Alarm Push	Make sure you have allowed notifications on CloudEdge App and phone.

Trouble Shooting

9	No Alarm Video	Make sure Micro SD card inserted/Cloud Storage is activated.
10	Device Offline	1)Check if the camera is powered off. 2)Check if the camera is connected. 3)Make sure network is steady.
11	App Flashback	1)Phone system version is too low. 2)Update the phone system version and camera. firmware version
12	Unable to Add Friend to Share Device	Your account and friend's account must be in the same country. For example, accounts in Europe and America cannot share with each other.
13	Alarm picture without people	1)Some objects around 36'C is moving in the picture. 2)People move too fast.

Please email us for better solution before returning any unqualified product to Amazon.

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THANK YOU!