

**DIHOO**



## **User Manual**

Smart Battery Powered IP Camera



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## I. Statement

1. Even though we made great efforts try to make the manual accurate and comprehensive, however, there might still be some discrepancies due to products' timely update.
2. The products and manual are subject to change without previous notification.
3. The content in this manual is only for reference. There is no guarantee that the accessories or App are exactly the same with you received. Detailed information is in accordance with the final products.
4. If you encounter any challenges or issues while operating the camera, please do not hesitate to contact us for assistance. We will do everything in our power to improve our response time so we can provide you with the speedy customer service.

### Contact us

[www.dihoom.cn](http://www.dihoom.cn)



United States: dihoomus@hotmail.com

United Kingdom: ukdihoom@hotmail.com

## II. Safety Caution

1. Please read the manual carefully and operating in accordance with the instructions.

2. Please do not transform or modify the product, do not open the case or disassemble the product.
3. Please use the product under its standard working temperature and humidity, extra-high temperature and humid condition will reduce battery performance and lead to camera drop line.
4. If doesn't use the camera for a long time (a week or more), take off the camera and stored it in room. If the moisture inside does not evaporate due to the temperature and humidity of environment, it will affect the periphery of the main board and cause rust.
5. Avoid mud, sand, water, drops, bumps, etc., Also avoid setting up device on that environment and condition as it can lead to failures or damage.
6. Conditions of fire, earthquake, lightning, wind and flood damage, other disasters or external factors (such as pollution or voltage disturbances) that could cause malfunction or damage, do not use this product.
7. Malfunctions or damages due to bracket failures (storage in hot and humid places, battery leakage, etc.) or improper protection, we assume no responsibility.
8. The camera is IP65 weatherproof, it's better to install the battery camera in a shaded area (such as under eaves) to prevent any possibility of accelerated wear and tear the element. Please noticed IP65 rate won't allow soak into water or stay under heavily rain for long time.
9. Please turn off the device before insert Micro SD card. Please make sure the camera is setup and work properly before installation.

### III. Product Details

#### 1. Camera Structure



## 2. Camera Button and Indicator

No	Camera Button	Operation
1	Power	Press and hold the button for 5 seconds to turn on / off the device.
2	Reset	Press the power button twice quickly to reset the camera after power on.

No	Front Indicator	Camera Status
1	Blue light	Working mode
2	Yellow light	Charging mode
3	Green light	Fully charged mode
4	No light	Sleep / Shutdown
5	Flashing blue light	Pairing mode

## 3. Specification

Camera	
Image sensor	1/3" Color CMOS Sensor
Audio Input / output	Built-in microphone and speaker
Lens	M12, f: 2.97mm, F1.6, 4-megapixel
Angle of view	120 degree
Day & night	Electronic (IR-CUT filter with auto switch)



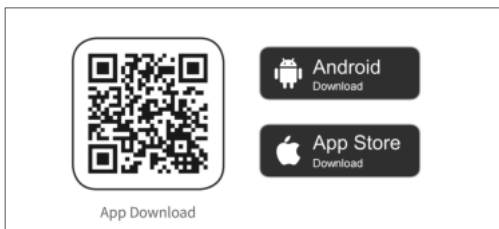
<b>Compression Standard</b>	
Video compression	H.265
Bit rate	Adaptive
Dual stream	Yes
<b>Network</b>	
Alarm trigger	PIR intelligent motion detection
Wireless security	WEP, WPA, WPA2
Remote wake-up	Support
Wireless	2.4G WiFi (IEEE802.11b/g/n)
Security	User authentication, software encryption
<b>Battery</b>	
Standby consumption	1.93mW (4V 0.48mA)
Work consumption	1.11W (3.87V 288mA) of daytime operation, 2.02W (3.73V 542mA) of operation at night
Standby time	12 months
Working time	3 months (assumed 20 times wake up per day, and record 10s each time)
Charging time	It takes 10 hours from 1% to full charge
<b>General</b>	
Operating temperature	-10 °C to 45 °C
Power supply	Optional DC 5V 1A / 1.5A / 2A
IR distance	Night visibility up to 10 meters

## IV. Configuration on Phone App

### 1. Download VicoHome App on Smartphone

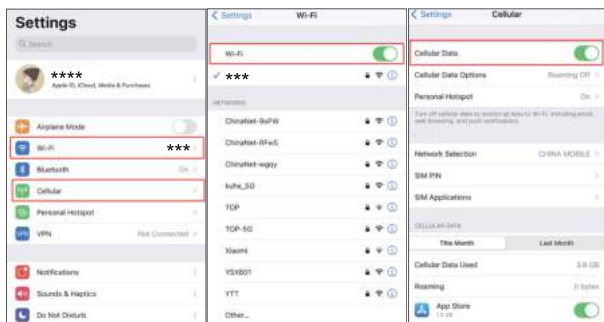
1.1 Searching the "VicoHome" App from phone App Store or Google Play and install it.

(App may be updated, the following QR code is for reference only)

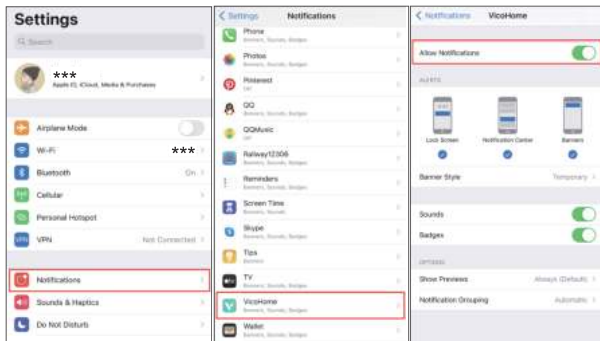


1.2 Please approve the following two authorities when you run this App for the first time.

**Step 1.** Enable 4G or wireless LAN on smartphone



**Step 2.** Enable VicoHome "Notification" on phone Settings Enter phone "Settings" >> Notification >> VicoHome, and enable "Allow notification" on the Notification management interface of VicoHome.

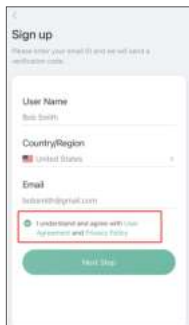


## 2. Create Account and Login

2.1 Tap "Sign up for a New Account" on the interface

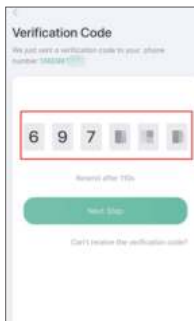


2.2 Input your User Name, select your country, example as: United States. And input your Email address, allow "I understand and agree with User Agreement and Privacy Policy", then hit " Next Step".



A screenshot of a mobile app's 'Sign up' screen. The title 'Sign up' is at the top. Below it, a subtitle says 'Please enter your email ID and we will send a verification code'. The form has three input fields: 'User Name' with a 'Built Switch' below it, 'Country/Region' with a dropdown menu showing 'United States', and 'Email' with the text 'testuser@dihoom.com'. Below the email field is a checkbox with a green checkmark and the text 'I understand and agree with User Agreement and Privacy Policy'. At the bottom is a green button labeled 'Next Step'.

2.3 Check and input "Verification Code" in your inbox or spam, then hit " Next Step".



A screenshot of a mobile app's 'Verification Code' screen. The title 'Verification Code' is at the top. Below it, a subtitle says 'We just sent a verification code to your phone number: 555-555-1234'. The main part of the screen is a red-bordered box containing six input fields for the verification code. The first three fields contain the numbers '6', '9', and '7'. The last three fields are empty. Below the input fields is a link that says 'Resend after 15s'. At the bottom is a green button labeled 'Next Step'. At the very bottom, there is a link that says 'Can't receive the verification code?'.

## 2.4 Set Password and confirm password.



## 2.5 Account sign up successfully and auto login.

# 3. Configuration on Phone App

## 3.1 Power and reset the camera

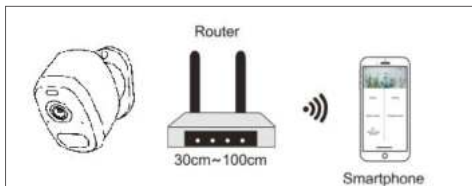
**Step 1.** Power the camera: uncover the rubber seal cover on camera bottom, press and hold the camera power button for 5 seconds to turn it on, release when you heard Startup music, the indicator turns blue.

✖ If it doesn't turn on, please charging it with DC5V 1A / 2A charger for 15 minutes to wake it up.



**NOTE:** DC5V 1A / 2A power adapter is not included in package, please use your phone charger.

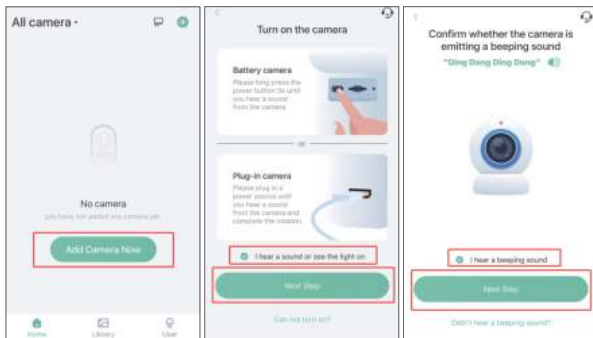
**Step 2.** Take the camera and smartphone close to the router (30 to 100 cm) and connect phone to the router's WiFi, support 2.4GHz WiFi only.



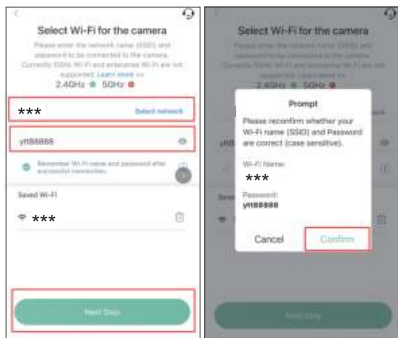
**Step 3.** Reset camera: Press the power button twice quickly, the blue light blinking and camera keep making sound "Ding Dong Ding Dong".

### 3.2 WiFi wireless connection

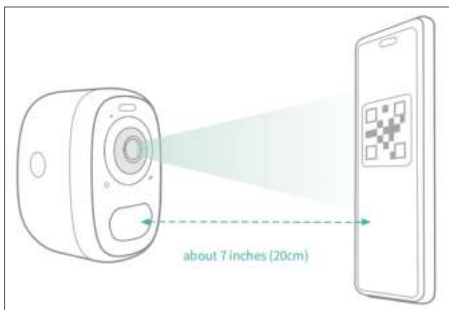
**Step 1.** Run VicoHome App on phone, tap "Add Camera Now" on the interface and new interface come out. Tick "I hear a sound or see the light on" and tap "Next Step", then tick "I hear a beep sound" and tap "Next Step".



**Step 2.** Input your WiFi name and password, double check and make sure it's correct and confirm, then click "Next Step" (Works with 2.4G WiFi only)



**Step 3.** At the "Scan QR code to connect" screen, put the QR code in front of the camera lens about 7 inches(20 cm), you will hear sound like dripping water means scanning success, and then a voice prompt "WiFi Connected".



**Step 4.** Initial setting success, hit "Next" on the suggest screen, then name your camera and hit "Done" to finish the process.



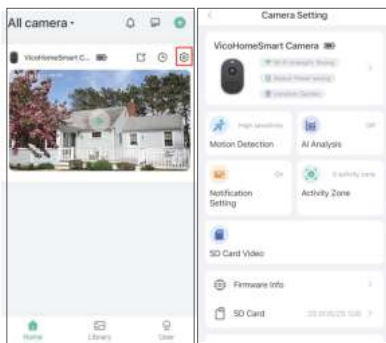
## NOTE:

1. After configuration finished, the camera is in standby status and the light stay blue. The camera is at standby status, when not watching video or no motion detected, the indicator stay off.
2. If need switch WiFi network, require to reset the camera and re-setup. If you reset the camera, the camera will disconnect with network.
3. This camera supports to setup on one phone only. It allows to share the device on the default mobile phone to others. Refer "VIII. Share the Camera" for further details.

## 4. Camera Settings

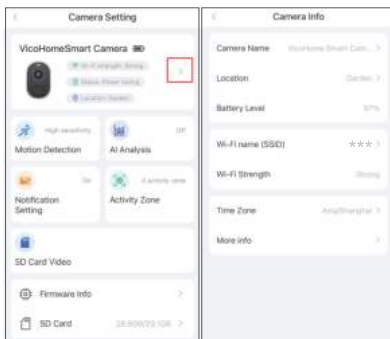
Click Setting icon on the upper right corner, to enter camera setting interface of VicoHome App.





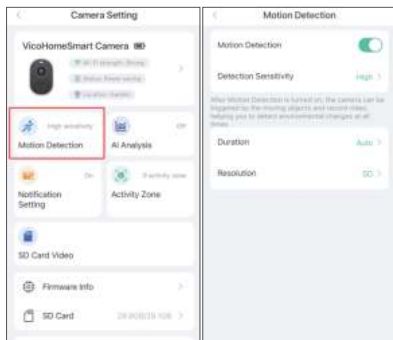
## 4.1 General Setting

You can enter the first module from the setting interface to change or finish some basic camera settings, such as Camera Name, Location Name, WiFi name and Time Zone.



## 4.2 Motion Detection

Click "Motion Detection" on camera setting interface, you can turn on / off motion detection, adjust sensitivity of detection (High, Medium and Low), adjust duration of motion recording (Auto, 10s, 15s and 20s), change resolution of camera to SD or HD.

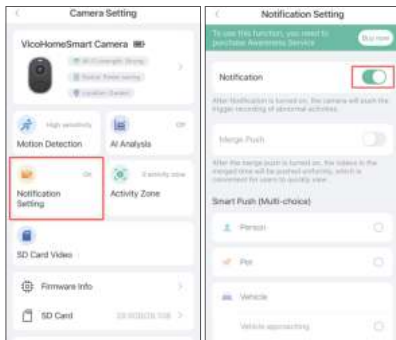


**NOTE:** The battery camera with PIR sensor is not designed for 7x24 hours recording, it realize security purpose by pushing alarm notifications to phone and record video when motion events detected, you can replay recordings anytime via VicoHome APP.

## 4.3 Notification Setting

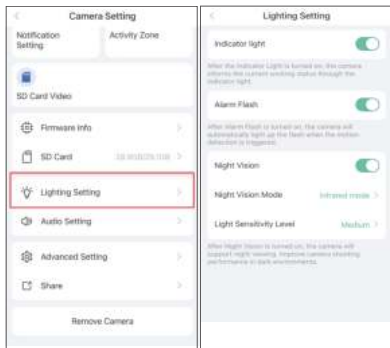
Click "Notification Setting" on camera setting interface, you can turn on/off the "Notification".

✖ For more details explanation of Merge Push or the Activity zone settings, please refer "VI. Cloud Service & SD Card".



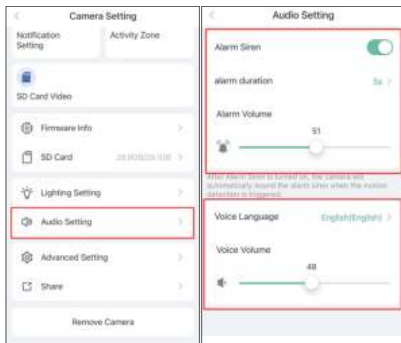
#### 4.4 Lighting Setting

Click "Lighting Setting" on camera setting interface, you can turn on / off the "Indicator light", "Alarm Flash" and "Night Vision". After "Night Vision" is turned on, it supports to adjust the night vision mode and sensor sensitivity level of infrared light (High, Medium and Low)







## 4.5 Audio Setting

Click "Audio Setting" on camera setting interface, you can turn on / off the "Alarm Siren" from camera, adjust the duration of alarm (5s, 10s and 15s) and the volume of alarm. Change the "Voice Language" and "Voice Volume" of prompt .



## V. Icon Function on Phone App

	Playback	Switching between playback video & real-time live video
	Screen Switch Button	Tap into full screen
	Definition Switch Button	Customize the preview video definition between HD (high Definition) & SD (standard definition )
	Light control	Infrared: spotlight never turns on Full color: spotlight will turn on automatically when detect motion in darkness
	Speak	Tap into two way audio
	Screenshot	Screenshot

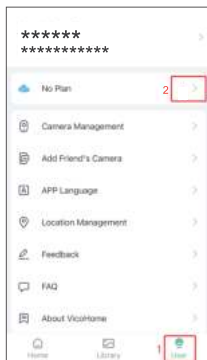
	Sound	Mute the video / sound
	Setup	Camera Information & Setting
	Alarm Siren	Trigger camera alarm
	Floodlight	Floodlight from camera

## VI. Cloud Service & SD Card

### 1. Cloud Service

#### 1.1 Introduction

On VicoHome App Homepage, click "User" at the bottom right corner > "No Plan" to enter the page, scrolling the screen to check there are 4 cloud recording modes and 3 kinds plans to provide comprehensive protection for your property and personal safety.



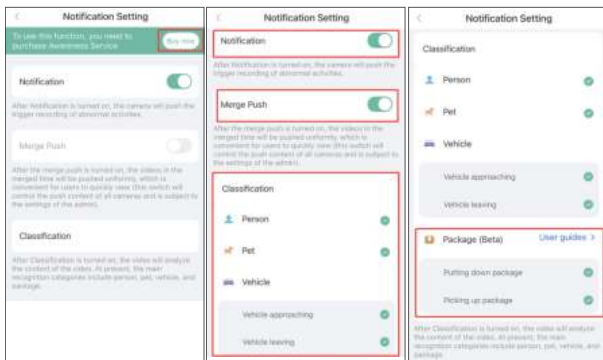
## 1.2 Cloud Recording

The camera come with 7 days lifetime free loop cloud service, you can playback anytime of the recording even without install SD card, but the video will only save for 7 days. If you need longer time video saving and unlock more privileges, you may check the Cloud Service Plan.

## 1.3 Intelligent Notification

Subscribe it you can receive classified motion alerts of Person, Pet, Vehicle and even Package delivering.

Camera Setting >> Notification Setting >> Merge Push



## 1.4 Activity Zone Setting

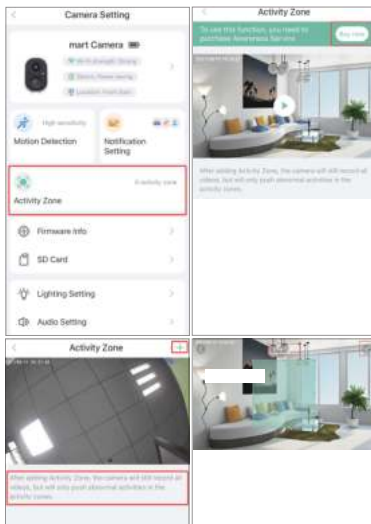
Setup "Activity Zone" on camera setting screen, to receive alerts only when motion happens within this area.

Click "+" in the upper right corner, drag green part to set area.

Max support 6 areas, and allows to name them.

click "√" on the upper right corner to save the setting and the

"|||" on the bottom right corner to delete the setting.



## 2. Subscribe Service Plan

If there is a demand for this service, click "Subscribe now" to select service plan, click "Pay now" to finish the payment.



✘ For specific cloud fees, please refer to the mobile app cloud service interface.

**NOTE:** The xx-day cloud recording mentioned in the service plan is loop-recording, for example, 15-day cloud recording means that the 16th day's recording will overwrite the 1st day's recording automatically.



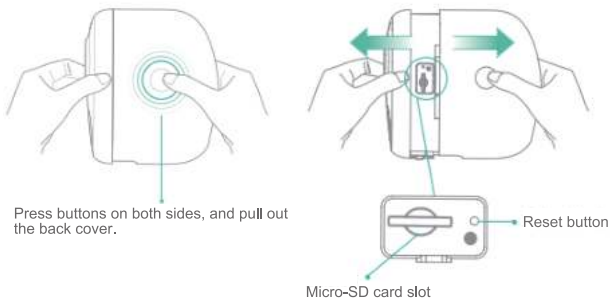
### 3. SD Card Storage

3.1 Motion recordings can be saved to the Micro SD card (Micro SD card not included in the package).

3.2 Micro SD card support up to 128 GB, to ensure the recognition rate and SD card quality, we recommend Class 10 speed Micro SD card.

3.3 Please format Micro SD card before insert it into the camera, support FAT32 or EXFAT32 format only.

3.4 Please insert SD card when camera power off, and power on after install well.

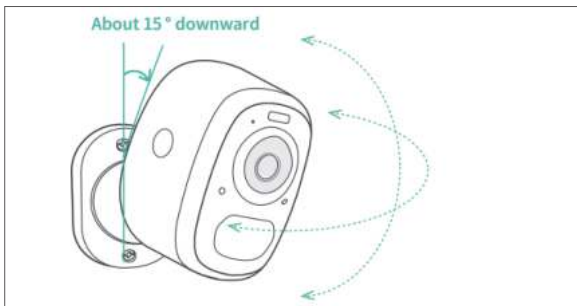


3.5 Check on VicoHome App Camera setting >> SD card, it shows storage capacity when SD card recognized.

## VII. Installation

### 1. Camera Surveillance Area

When installing the camera, the PIR sensor should not be vertically aligned with the moving objects, as it may not be sensitive to movement. It is recommended that the camera be tilted more than 10 degrees to capture motions.



### 2. Camera Installation

2.1 Fully charge camera before installation. It takes about 10 hours to get full charged with 5V 2A Charger (Not included).

2.2 Use the electric drill to drill holes in the wall, fix the bracket base with screws.

2.3 Attach the camera to the magnetic bracket, the best angle is about 15 degrees downward, then adjust the surveillance angle.



### 3. Tips to Reduce False Alarms

- 3.1 Do not install the camera in a place directly facing bright objects or light source, including sunshine, bright lamp lights, etc.
- 3.2 Please do not install the camera in the place where the vehicles and personnel frequently go in and out.
- 3.3 A large number of data results show that the camera can detect people and vehicles within a distance of 15 meters (55 feet).
- 3.4 Keep the camera away from outlets such as air conditioning vents, humidifier, heat transfer openings of projectors etc.
- 3.5 Do not leave the camera facing the mirror.

## VIII. Share the Camera

### 1. Sign Up A New Account

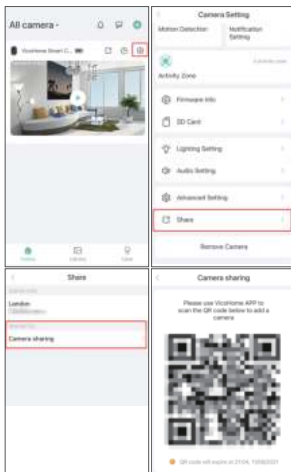
Download VicoHome App on family's phone, sign up and login with new account.

(Follow the instruction of previous "IV. Configuration on Phone App > 1 & 2" )

### 2. Camera Sharing

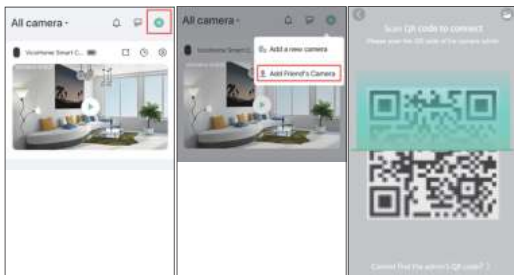
**Step 1.** Click setting icon in the upper right corner to enter camera setting interface.

Click "Share", next click "Camera sharing", and the QR code will pop up (the valid time is 30 minutes).



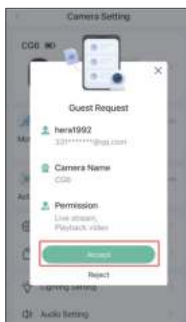
## Step 2. Scan the QR code to add the camera

Go to the APP homepage on family's phone and click the "+" in the upper right corner, click "Add Friend's Camera", and scan the QR code to get permission.



## Step 3. Accept Guest Request

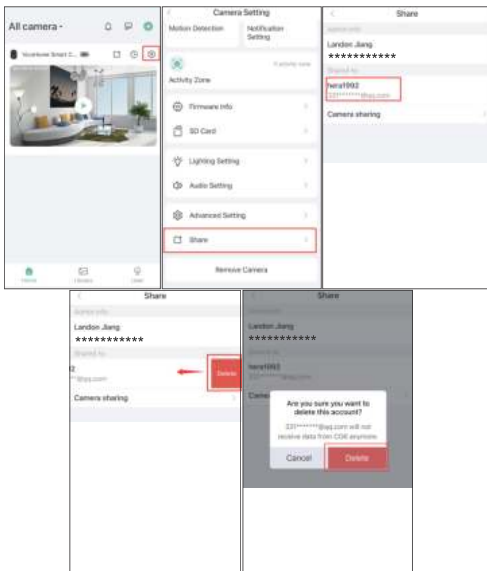
After your family scanned the QR code, you will receive a "Guest Request" notification on your phone APP VicoHome. Click "Accept", and the camera will be added successfully on your family's phone.



### 3. Delete Shared Cameras

Go to APP homepage, click setting icon in the upper right corner to enter camera setting interface. Click "Share", and you can see the other accounts for this camera.

Swipe the account to the left, you will see a red "Delete" sign, click it to finish.



**NOTE:** The app account of the sharer and the app account be shared must be registered in the same country or region.

## **IX. Battery Management & Recharge**

### **1. Battery Management**

The camera built-in 5200mAh 21700 lithium battery, theoretical battery life 3 months is assumed camera wakes up 3 minutes per day.

If your battery capacity drain too fast, may because the camera wakes up very frequent. It is recommended to lower the "Motion Detection Sensitivity".

### **2. Power Adapter Recharge**

You can charge the camera with the DC 5V 2A Adapter, the power adapter isn't included in the package.

Charge indicator light Yellow while charging, it takes about 10 hours to get 100% fully charged and indicator turns green.

### **3. Solar Panel Recharge**

The battery IP camera supports charging with DIHOOM solar panel.

Please do not use others solar panel to charge it.

Solar panel charging isn't efficient as electricity, but still can meet most of the security needs.

Please make sure the solar panel well connected and get direct strong sunlight.

- ✘ For more solar charging information, please referring the Solar panel install guide.

## X. Troubleshooting Table

Troubleshooting table		
No.	Issues	Solution and operation
1	Connection can not be established	1) Check your WiFi name and password. 2) Make sure your WiFi is 2.4G, it does not support 5G. 3) Make sure your camera and mobile phone, router are close enough. 4) Email contact customer service staff to solve your problem within 24 hours.
2	Reset to default	1) Double press the power button. 2) Hear "Ding Dong Ding Dong" 3) The blue light flashing.
3	How to connect the camera to new WiFi network	1) Double press the power button to the factory setting. 2) Remove the camera in the VicoHome APP. 3) Re-connection.
4	Alarm picture without persons	1) The camera needs time to wake up and people are moving too fast. 2) Some objects with over heat may be detected by PIR, and it is recommended to lower the sensitivity of the PIR alarm.
5	Frequent alarm	1) Because the environment or the number of vehicles where you install the camera trigger the cameras frequently. It is recommended to change the installation angle. 2) Adjust the camera alarm sensitivity to "low".
6	Why is someone crossing without alarm?	The PIR inspection area has a range limitation. It may be that the person passing the position is too far or too close, or the person passes quickly from a corner of the camera and is not successfully detected by the PIR.



7	No alarm push	Enable notification of the VicoHome app in the mobile settings.
8	No alarm video recording	Please insert the Micro SD card or turn on cloud storage.
9	Device offline	Check if the network works well, maybe the location where the camera installed is too far from the router, causing the WiFi not cover the camera.
10	Video delay	Check the WiFi network, the distance between the camera and the router should not be too long.
11	Short battery life	The camera was awakened too often and should not be placed on the roadside or in the sun.
12	Unable to charge	1) Please use the 5V 1A / 2A USB power adapter to charge the camera correctly. 2) When the charging is normal, the charging indicator will light Yellow. If the charging indicator does not light, the charging is not successful. Please check if the power adapter and charging cable are normal.



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