



Security Camera

User Manual

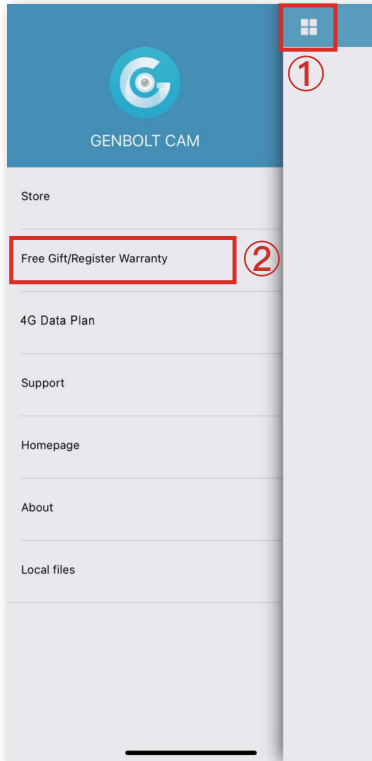


EN/PL/RO/TR/SA

Category

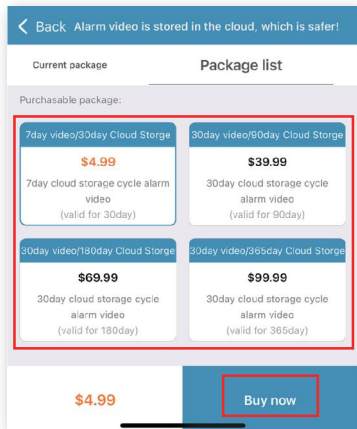
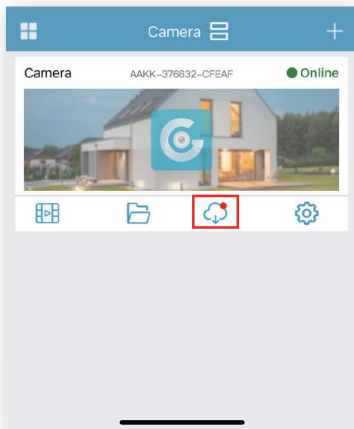
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Warranty Registration



GENBOLT offer all products with 1year warranty. Customers can visit official website to register and activate the extra 2 months warranty period without any charge.

Cloud Storage



Enter the "GENBOLT CAM" APP > Click the cloud storage icon > Choose the package you want, Buy now.

Why use Genbolt's cloud storage?

Buy Cloud Storage and [get a 6-month extended warranty](#) for a limited time

To activate: send an email to customer service

1. Why buy cloud storage?

Cloud storage is safer and more convenient. Videos are stored in the cloud, which is safer. You can watch and search in seconds without delay, which is more convenient.

2. What is 30day video/365day cloud storage?

30 days means that the cloud recordings of the last 30 days are stored in the cloud in a loop, and 365 days means that the service is valid for 365 days. It is suitable for monitoring scenarios such as home, store, and baby care, 90% of users are using it, and Genbolt recommends it.

3. What is cloud storage?

Cloud storage is a recording function based on AI technology such as object detection and human detection. When AI detects, the device will automatically record and save it to the cloud.

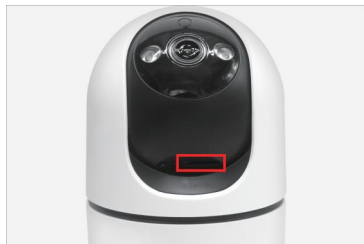
4. Cloud storage and TF card storage comparison:

	Cloud Recording	TF Card Recording
Storage Capacity	No capacity limit, store as many records as you record	128GB only stores 5 days HD video
Data Security	Data cannot be stolen or damaged, stored in the cloud, safe and secure	Memory cards are consumables, easy to break and devices are easy to lose
Download Speed	Cloud-based dedicated network and dedicated line acceleration, fast viewing and downloading	Memory card video needs to be uploaded to the cloud first, which requires many steps to transfer and is slow to view
Device Offline View	View the videos even when device is offline	Need to remove the memory card to view it on the computer

How to Insert MicroSD Card

*** Please format MicroSD card into FAT32 before power on the camera.**

Model: GB106



1.Insert SD card into the card slot.

Model: GB201



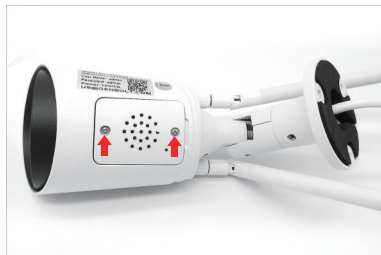
1.Open the rear lid;
2.Insert SD card into the card slot.

Model: GB202

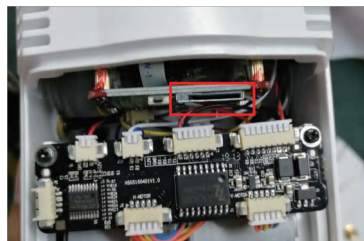


1.Remove the screws;

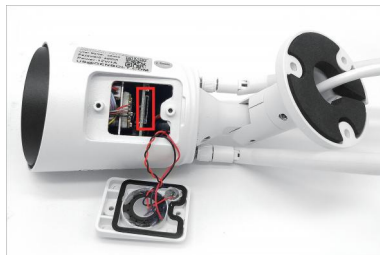
Model: GB209



1.Remove the screws;



2.Insert SD card into the card slot.



2.Insert SD card into the card slot.

Model: GB213



1.Open the rear lid;

Model: GB216



2.Insert SD card into the card slot.

Model: GB216D



1.Open the rear lid;

Model: GB216-4G



2.Insert SD card into the card slot.

Model: GB220



1.Turn right and open the lid;



2.Insert SD card into the card slot.

Model: GB217



1.Open the rear lid;

Model: GB203V



2.Insert SD card into the card slot.

Model: GB212



1.Open the rear lid; 2.Insert SD card into the card slot.

Camera Installation

1



Drill a hole in the wall

2



Expansion bolt need to
inserted into the hole

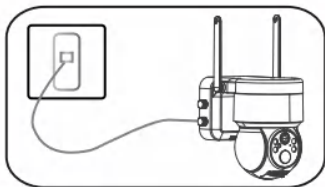
3



Screws the camera to
the wall

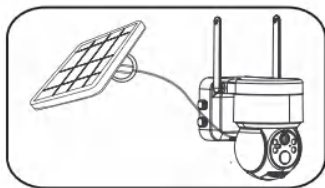
*** Please pair the camera before installation.**

Charge the Battery

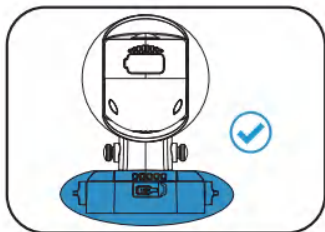


Charge the battery with a 5V 2A power
adapter for 10hours.

- The battery is a built-in battery and
cannot be removed.



Charge the battery with the Genbolt Solar
Panel.



For the weatherproof performance, always
cover the USB charging port with the rubber
plug after finishing charging the battery.

Charging Indicator:

Red LED: Charging

Blue LED: Fully Charged

Model	GENBOLT CAM App	HiP2P for PC	IE Website for LAN
GB106/GB201/GB206/GB209/GB202/ GB212/GB213/GB218/GB220	Yes	Yes	Yes GB201 NOT available
GB103K-4G/GB213-4G/GB201-4G	Yes	Yes	Yes
GB216/GB217	Yes	Yes	No
GB216-4G/GB217-4G	Yes	Yes	No

Add Wi-Fi DC/POE, Wi-Fi Battery, 4G Connection in Phone APP

Scan the QR code to download the "GENBOLT CAM" app or search it from Google play or iOS store directly.



GENBOLT CAM

iOS Store



GENBOLT CAM

Google Play

Download the HiP2P for PC: genbolt.com/blog/downloads
HiP2P manual: genbolt.com/blog/user-manual

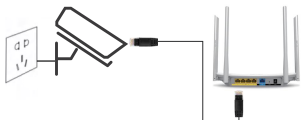
Wi-Fi DC/POE (GB106/GB201/GB202/GB203/



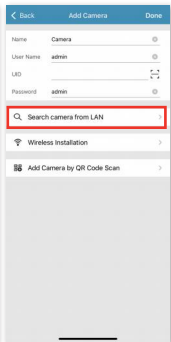
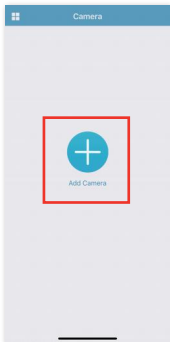
✓2.4GHz ✓5GHz



1. Mobile connect To Wi-Fi



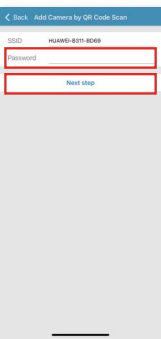
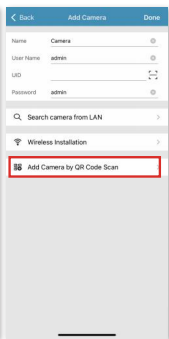
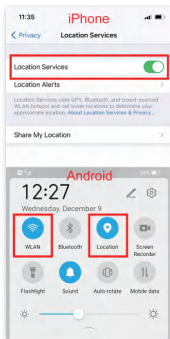
2. Power on camera, connect camera to router via LAN cable for initial setup ONLY.



3. Enter APP > Add Camera > Search camera from LAN > Camera UID will appear automatically.

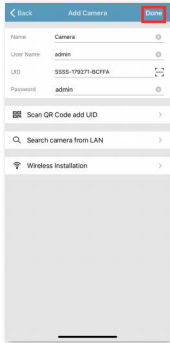
Few models DO NOT SUPPORT 5GHz WiFi,

Wi-Fi Battery (GB216K/GB217)

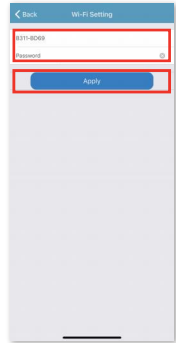
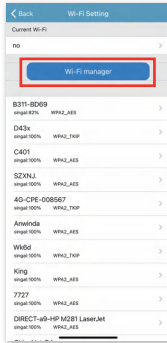
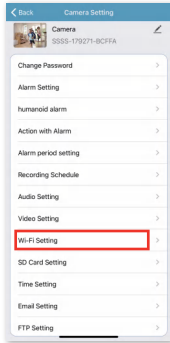


1. Turn on your phone Location. (for initial set up only, can close it later).
2. Making smart phone connect to wifi (2.4GHZ signal).
3. Power on camera > Enter APP > Add Camera > Add Camera by QR Code Scan > Input wifi password, Next step.
4. Show the phone QR code to camera lens > Search for the device > will show up camera uid automatically after scan success > Done.

GB209/GB211/GB212/GB213/216D)



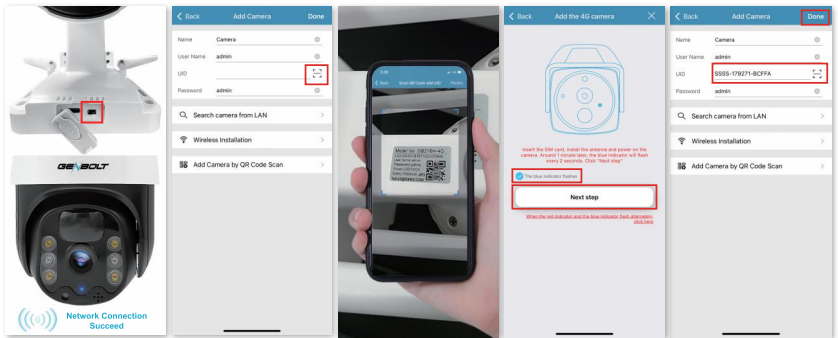
4. Done.



5. Camera setting > Wi-Fi Setting > Wi-Fi manager > Select your Wi-Fi account the same as your mobile connected and input Wi-Fi password > Apply.

need to check with GENBOLT directly.

4G Camera (GB103-4G/GB201-4G/GB213-4G/GB216-4G/GB217-4G)



1. Power on camera > Enter APP > Add Camera > Click the scan icon to add camera > Scan the QR code on the camera body label > 4G Battery: The blue indicator flashes, Next step > Done.

4G camera can't network check:

1. Check if the sim card is inserted correctly;
2. Remove the sim card and insert it into the phone to check if it can access the network, If so, insert the camera again.

If the connection step fails

Power on the camera and wait until it finished the 10seconds self-checking, then push RESET button about 10s, and then the camera will be default, now please delete the camera in the phone APP and operate connect again. More connection issues please check Wi-Fi Self-Checking & Q/A parts.



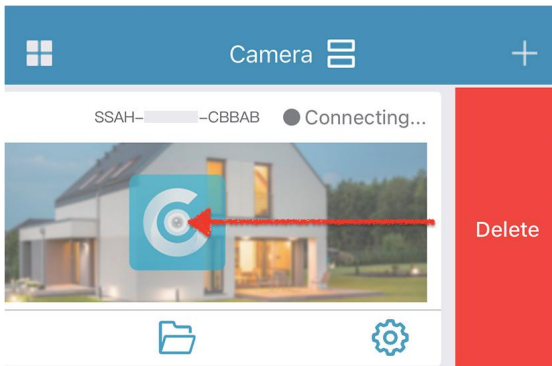
Outdoor Camera



GB105



GB103



Battery Camera

Swipe left to delete the camera

PoE Switch Connection Available

In case the weak wifi signal or no power supply around the camera, you may use PoE switch support the power and the network, need 1 pc internet cable connect camera to PoE switch.

1. Add camera to your smart phone (ref. connection part)
2. Use internet cable connect camera to PoE switch.



3. Install the camera to outside, POE Switch support 100meters(CAT5) max.
PoE Power: IEEE 802.3af PoE Switch/Injector,
48V Active(Isolation protection, Power supply wire support 1236 and 4578).

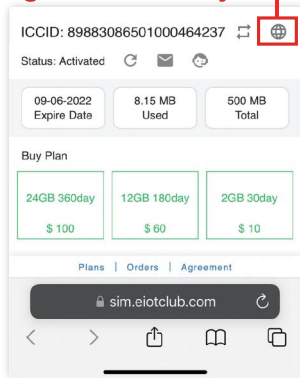
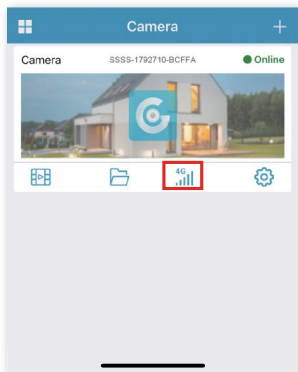
Note: internet cable not included.

Partial models can not support this, please check it with GENBOLT team to confirm.

SIM Card Refill

Enter the "GENBOLT CAM" APP > Click the 4G icon
> Choose the plan you want.

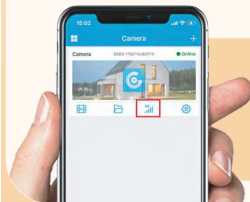
Select Language and Currency



Note: To avoid the service interruptions, you must refill your data plan before your current plan expires.

Why use Genbolt's 4G sim card?

	GENBOLT Sim Card	Other Sim Card
Setup	No need(Inserted camera)	Need to setup the APN
Operate	Easy to view&refill data in App	Forgot the sim card number and hard to check&refill data
Free Trial	300mb 30days	No
4G Surveillance Data	High speed/Real time/no frame drop	No



Refill & Check 4G Data Plan in App

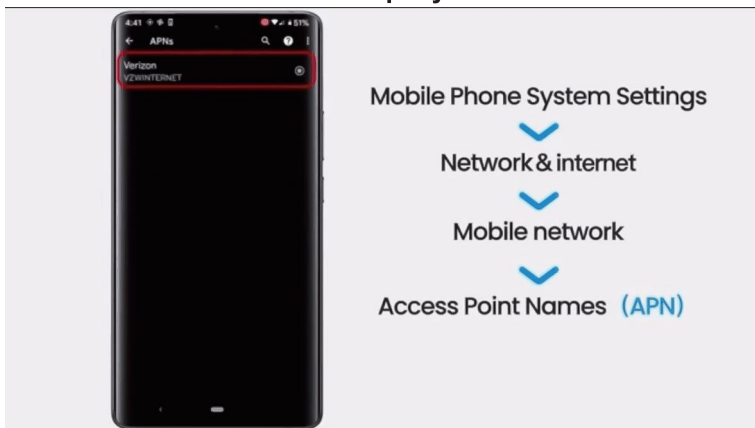
4G Frequency Band Information	EU	LTE-FDD: B1/B3/B7/B8/B20/B28 WCDMA: B1/B8 LTE-TDD: B38/B40/B41 GSM/EDGE: B3/B8
	CA US	LTE-FDD: B2/B4/B5/B12/B13/B17/B66
	JP	LTE FDD: Band1,3,8,11,18,19,21,26,28 LTE TDD: Band41 WCDMA/HSPA+: Band1,6,8,19

If the 4G camera is not working please check:

1. Check if the SIM card is properly inserted
2. Pull out the SIM card and insert it into your phone to check if you can access the internet. If you can access the internet, then insert the camera.
3. For battery cameras, the camera needs to be plugged into a DC power source and charged for 10 hours before use.

If you want to change other sim card, you need to setup the APN. There are two ways to figure out APN:

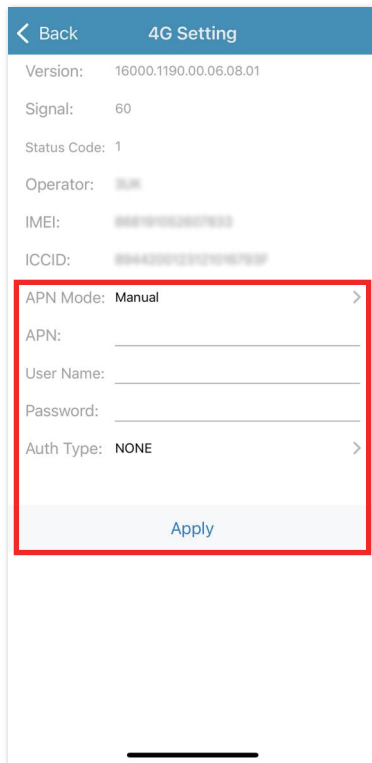
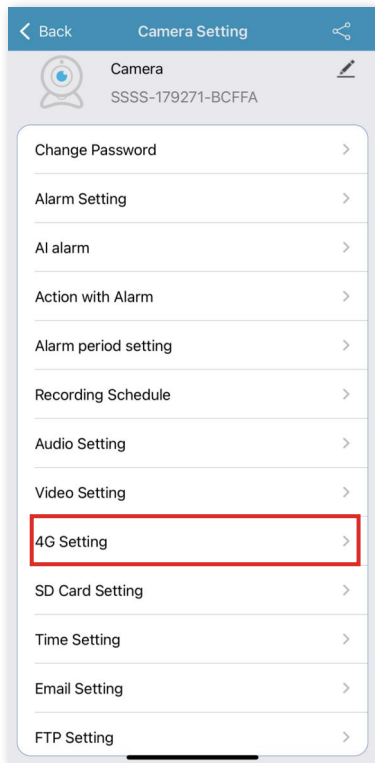
1. insert the sim card into Android phone, Phone seting > Network & internet > Moboile Network > Access Point Names(APN), and check the APN/User name/Password.
2. check with the sim card company about APN.



4G APN Setting

4G DC/POE APN settings:

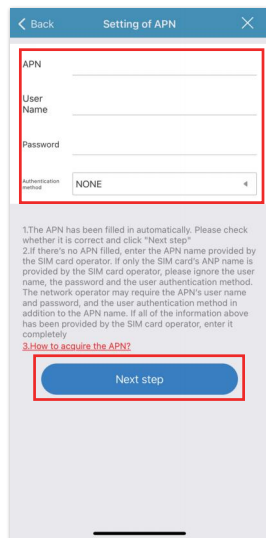
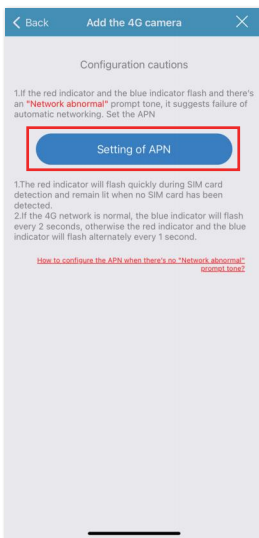
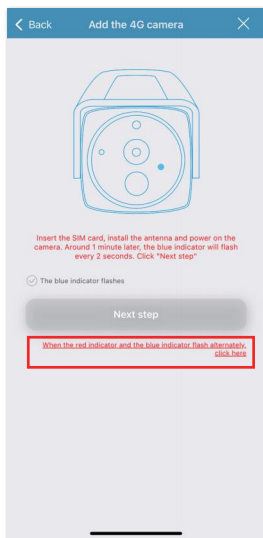
**Camera Setting > 4G Setting > APN Mode: Manual,
(Enter the operator's APN) > Apply.**



**GENBOLT sim card already inserted inside,
No need to set.**

4G battery camera APN settings:

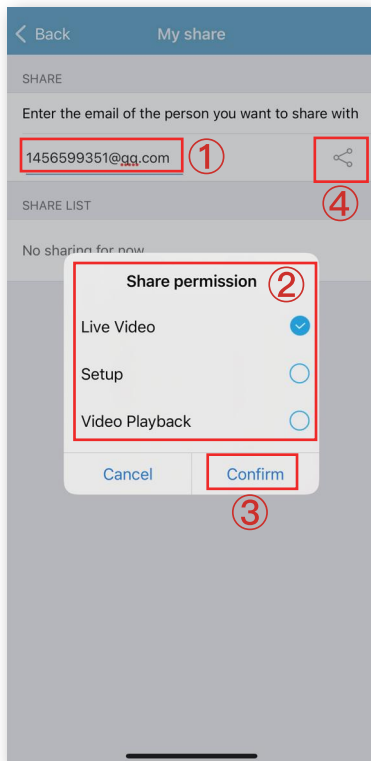
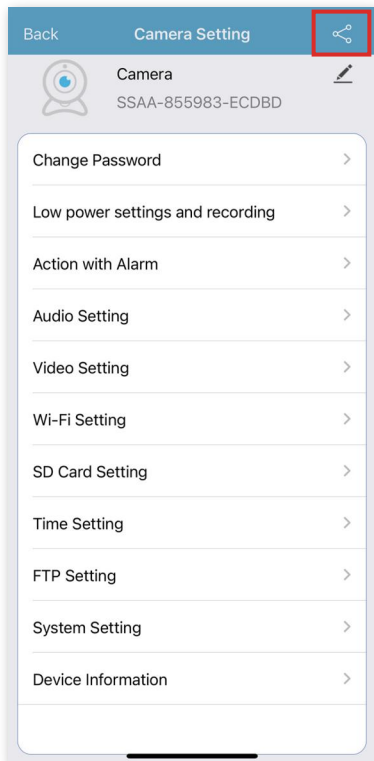
Enter APP > Add Camera > Click the scan icon to add camera > Click 'When the red indicator and the blue indicator flash alternately' > Setting of APN > Enter the operator's APN > Next step.



**GENBOLT sim card already inserted inside,
No need to set.**

Share the Camera

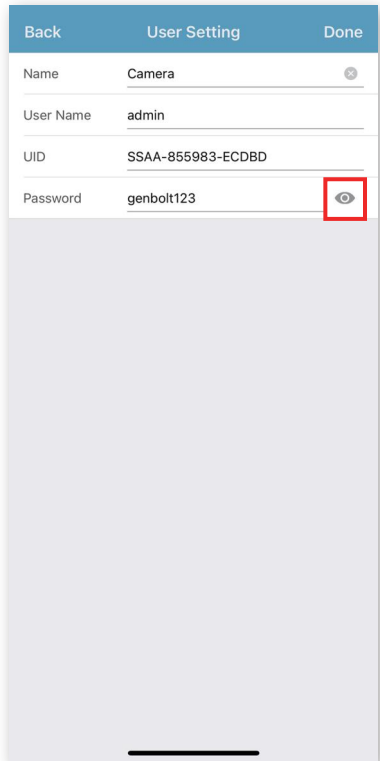
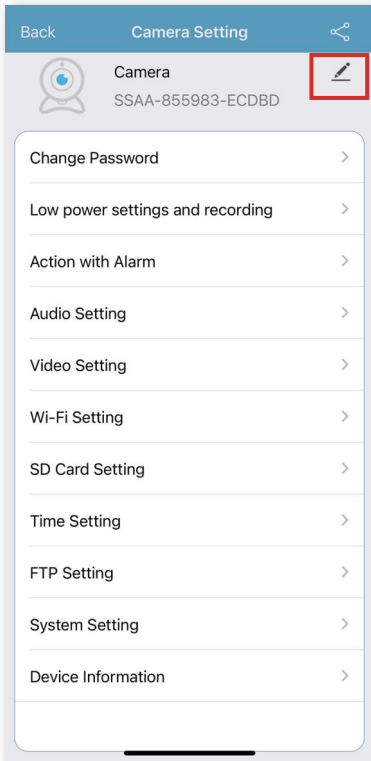
Camera Setting > Click the share button in the upper right corner > Fill in the email address of the shared (need to register "GENBOLT CAM" app account) > Check share permissions > Confirm > Then click the share button to generate the share QR code.



The master account can change or delete shared permissions at any time.

Check Camera Password

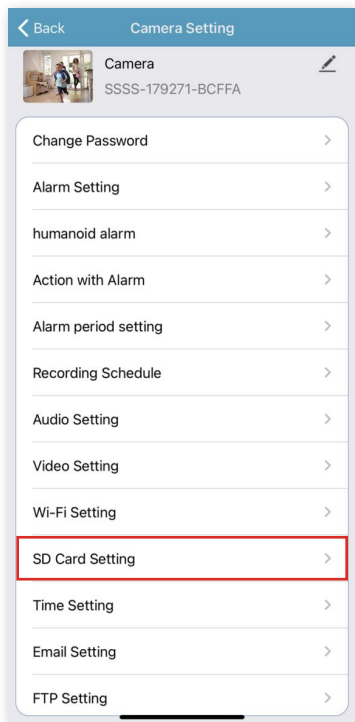
Camera Setting > Click the edit button > Click the eye button to display the password.



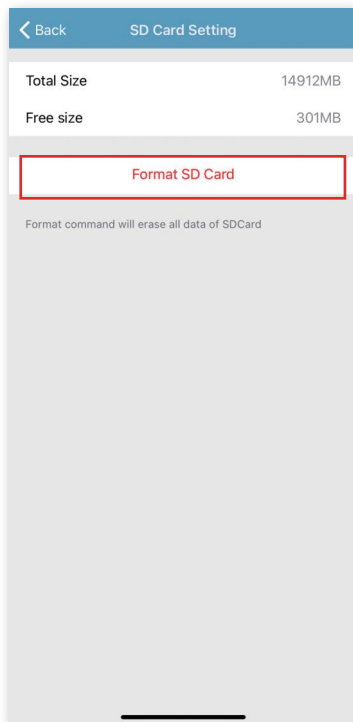
The shared cannot access the password.

SD Card Setting

*** Please format MicroSD card into 32 format in computer or through app before start to record.**



Step1



Step2

Click the setting icon of camera > SD Card Setting > Format SD Card.

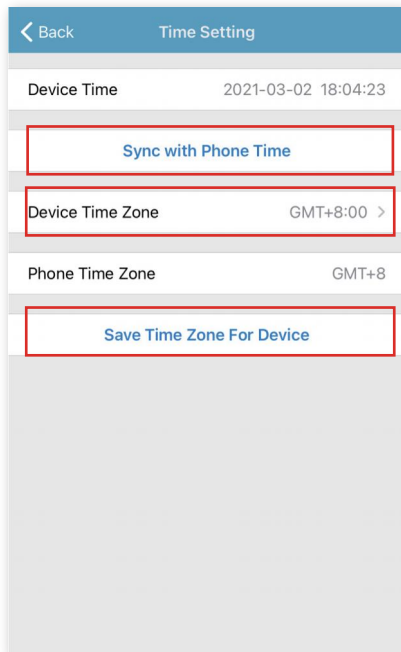
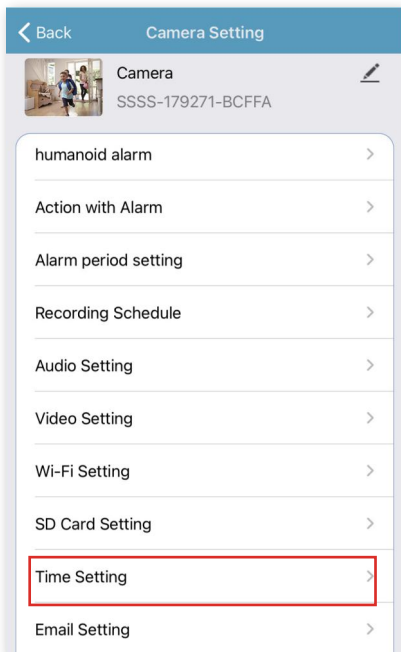
Video and Images Playback



①Videos and images in SD card: Home page > Video, you can check all the videos and images saved in the camera SD card.

②Local videos and images: Home page > File folder, you can check all the videos and images downloaded from the SD card.

Camera Time Setting



Step1

Step2

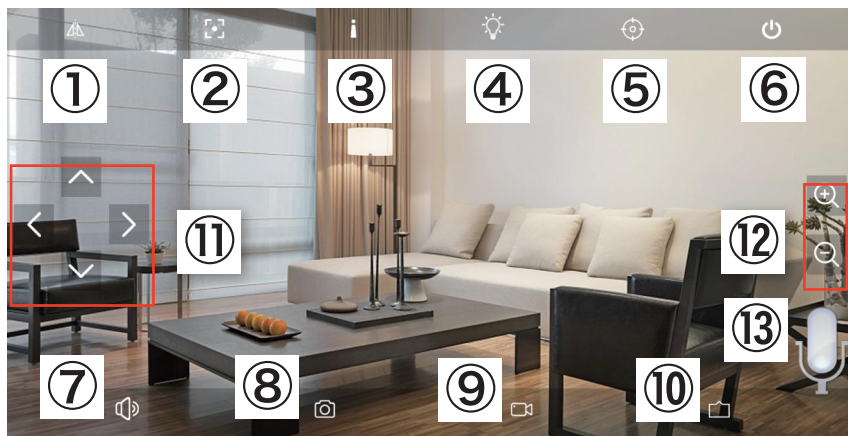
Click the setting icon of camera > Time Setting.

Method A : Click Sync with Phone Time.

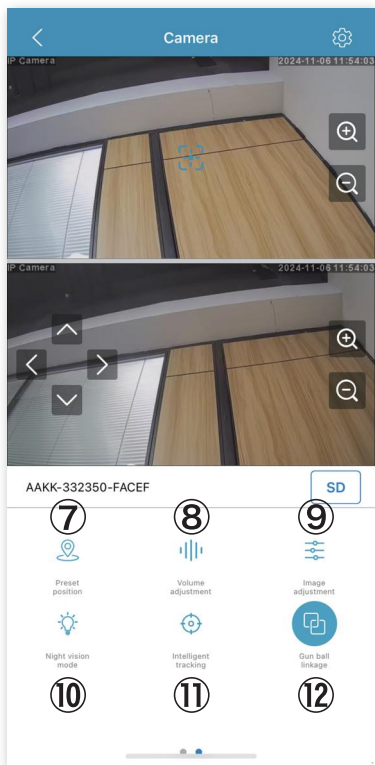
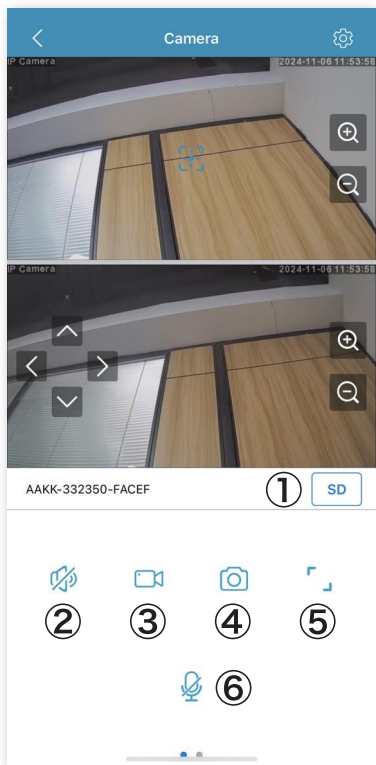
Method B : Click Device Time Zone > Select Device Time Zone > Save Time Zone For Device.

*** time different will be effect recording video file searching.**

Camera Preview



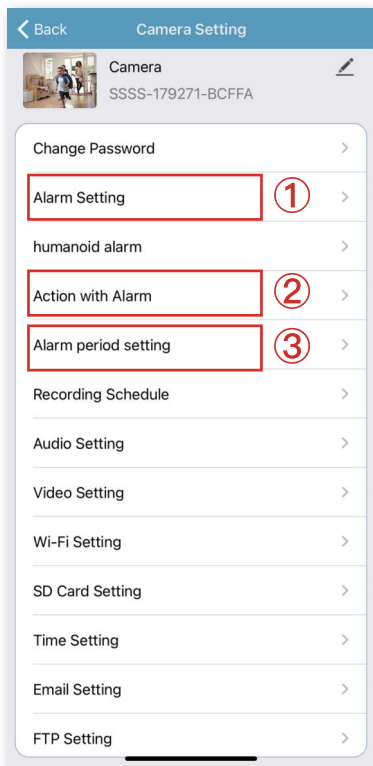
- ① Set Mirro and Flip
- ② Focus in and Focus out
- ③ Preset
- ④ Night mode: Color/Normal/Auto (Color and Auto mode only for floodlight camera)
- ⑤ Auto Tracking
- ⑥ OFF
- ⑦ Speaker
- ⑧ Snapshot (Saved in local file folder)
- ⑨ Record (Saved in local file folder)
- ⑩ Definition (HD mode higher definition than SD, but SD with smoothly video)
- ⑪ Control camera pan&tilt
- ⑫ Zoom in and Zoom out
- ⑬ Mic (Only for 2-way audio camera)



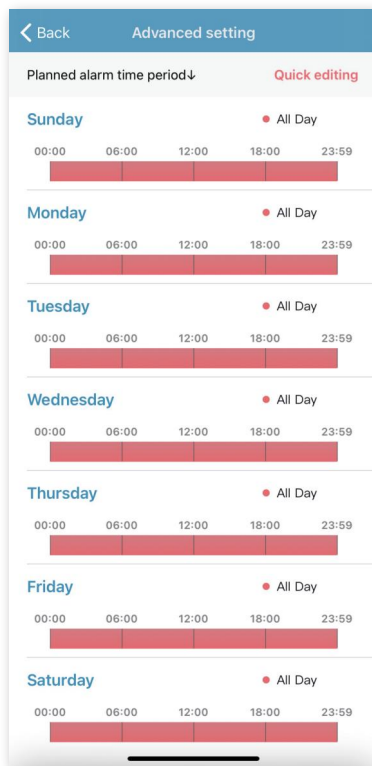
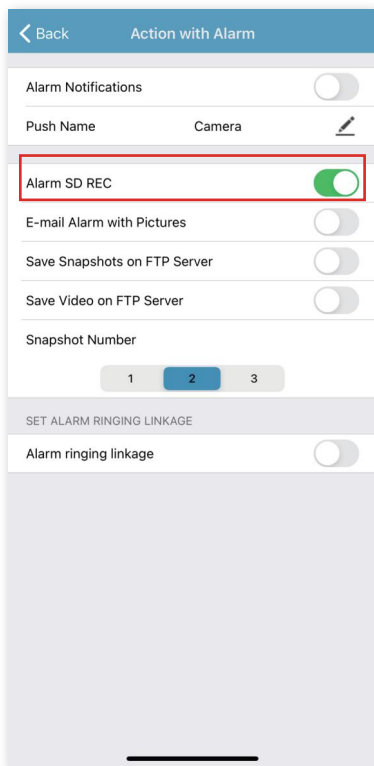
- ① SD/HD ② Speaker
- ③ Record (Saved in local file folder)
- ④ Snapshot (Saved in local file folder)
- ⑤ Full Screen
- ⑥ Mic (Only for 2-way audio camera)
- ⑦ Preset
- ⑧ Volume Adjustment
- ⑨ Image Adjustment
- ⑩ Night mode ⑪ Intelligent Tracking ⑫ Gun Ball Linkage

Motion Detection

* **Make sure camera inserted with a MicroSD card.**



① Alarm Setting > Turn on Motion Detection and adjust the detection sensitivity.

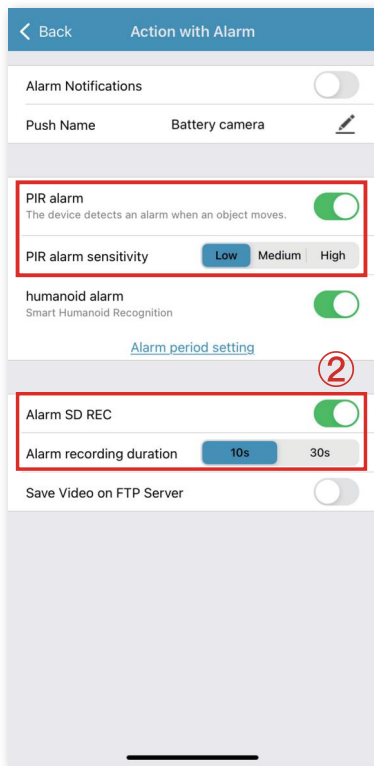
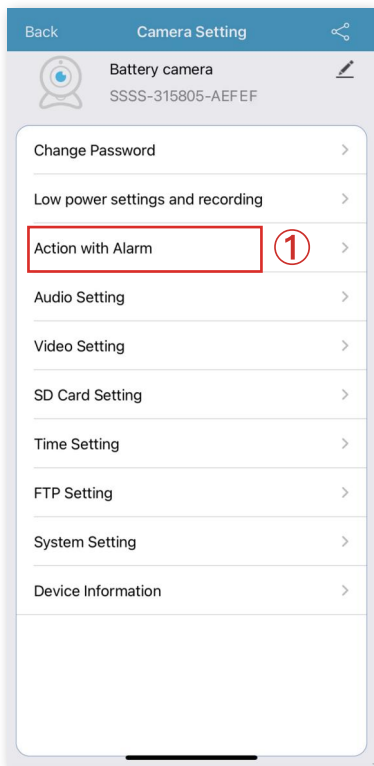


② Action with Alarm > Turn on **Alarm SD REC**.

③ Alarm period setting > Set alarm all day or custom alarm time period.

PIR Alarm (Battery Camera Only)

* **Make sure camera inserted with a MicroSD card.**

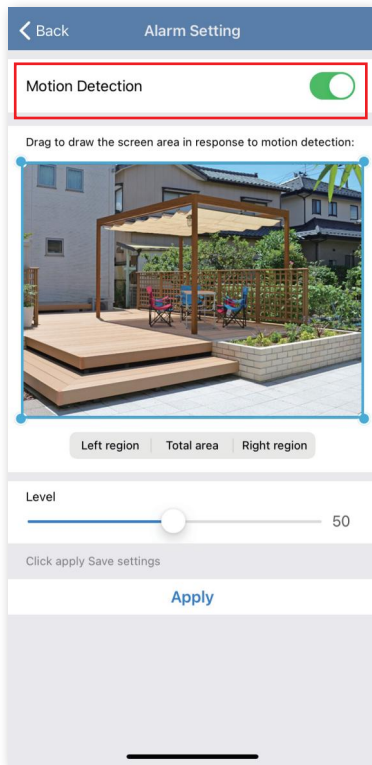
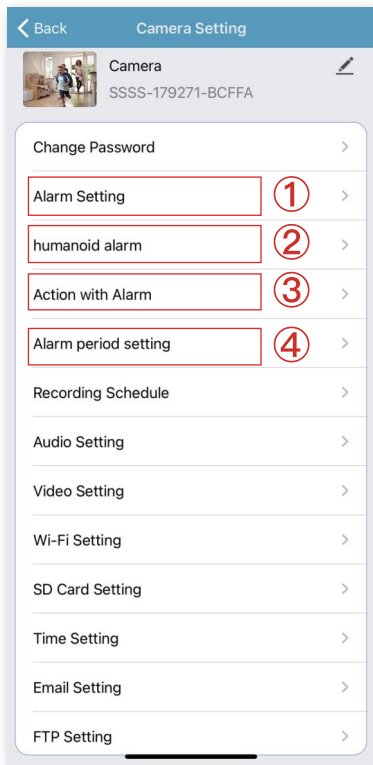


① **Action with Alarm > Turn on PIR alarm and adjust the detection sensitivity.**

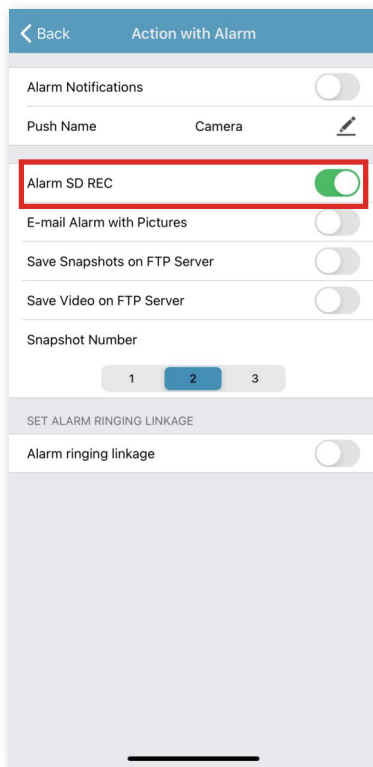
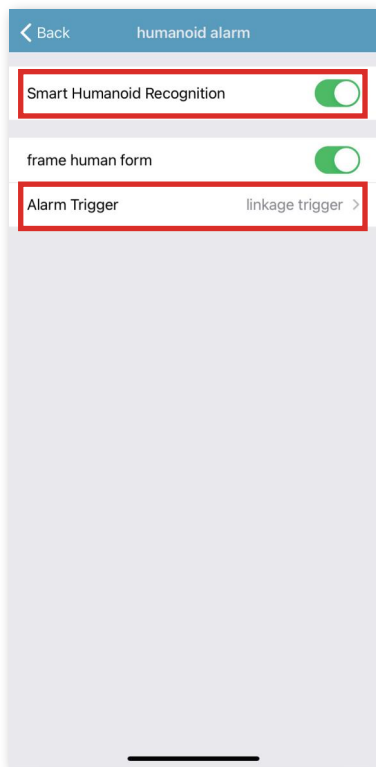
② **Turn on Alarm SD REC.**

Humanoid Alarm

Only triggered by humanoid moving objects,
Follow below steps to setup:

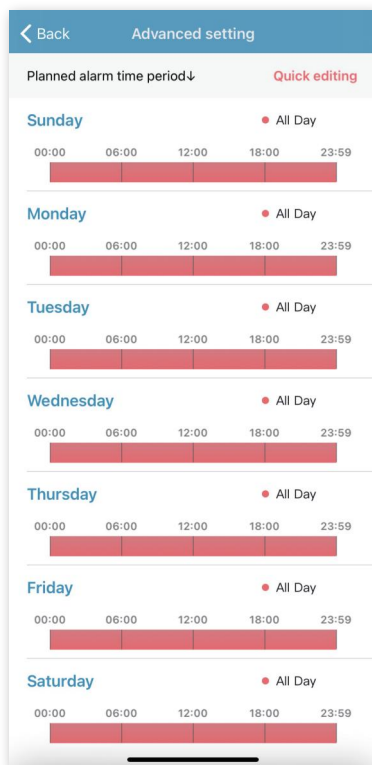


① Alarm Setting > Turn on **Motion Detection**.



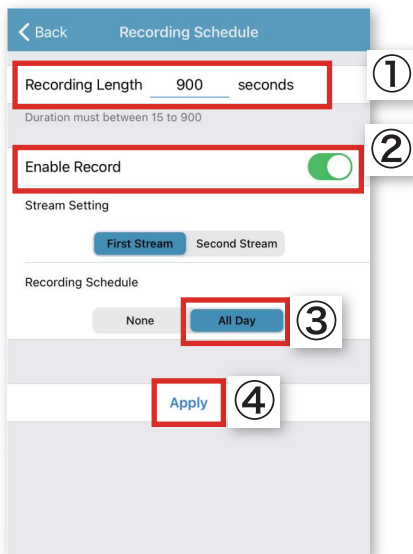
② Humanoid alarm > turn on **Smart Humanoid Recognition** and select **Linkage**.

③ Action With Alarm > turn on **Alarm SD REC**.



④ Alarm period setting > Set alarm all day or custom alarm time period.

Recording Schedule



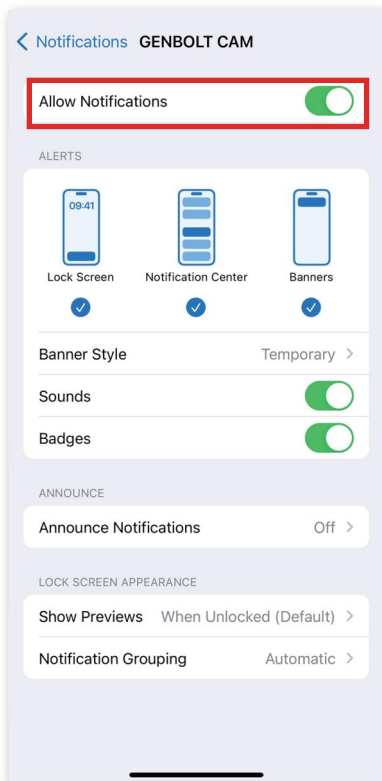
Click the setting icon of camera > Recording Schedule.

①: Setup videos files length (max length 900s).

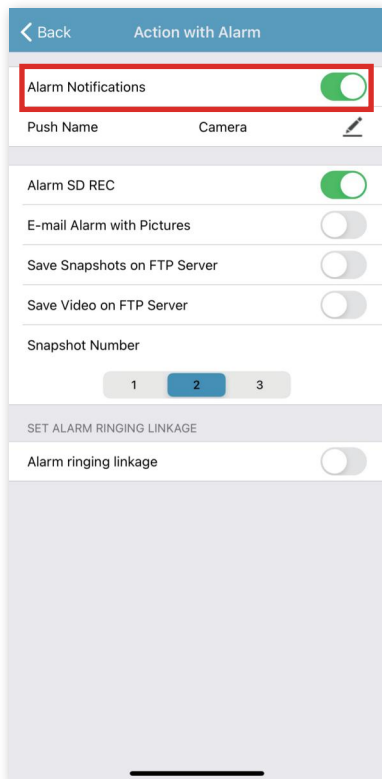
②: Turn on Enable Record.

④: Apply.

Notifications



Step1



Step2

Please allow GENBOLT CAM app push notifications in your phone settings.

Click the setting icon of camera > Action with Alarm > turn on Alarm Notifications.

*** Notification need genbolt cam app always running.**

Configure Email Alarm

*** Battery camera and GB201 not available.**

How to Configure Email Alarm

For different email boxes, information to be input can be different. In this document we take examples of Hotmail, Yahoo Mail and Gmail as examples.

① Hotmail

To configure email alert with Hotmail, fill in all the parameters as below.

Mail	SMTP server	Server port	Encrypt type	Authentication	User name	Password	Send To	Sender
Hotmail	smtp.live.com or smtp-mail.outlook.com	587	STARTTLS	ON	Email ID	Email password	Email ID	Email ID

< Back Email Setting Save

SMTP Server

smtp.live.com
or smtp-mail.outlook.com

Server port

587

Encrypt Type

STARTTLS >

Authentication

☒

User Name

sample@hotmail.com

Password

.....

Send To

sample@hotmail.com

Sender

sample@hotmail.com

Subject

Camera alarm

Message

Test

Motion detected by camera

② Yahoo Mail

Configure Yahoo email alert, request to activate 2-Step Verification to get Application Password.

1. Get Application Password steps:

Login your Yahoo Mail box > Click Settings > Click Account Parameters > Choose Account Security and switch on 2-Steps Verification > Follow online procedure to finish activation of 2-Steps Verification (The Application password with 16 characters).

2. Fill in all the parameters as below.

Mail	SMTP server	Server port	Encrypt type	Authentication	User name	Password	Send To	Sender
Yahoo mail	smtp.mail.yahoo.co.jp	465	SSL	ON	Email ID	Application Password	Email ID	Email ID

Back Email Setting Save

SMTP Server smtp.mail.yahoo.com

Server port 465

Encrypt Type SSL >

Authentication ☒

User Name sample@yahoo.com

Password ••••••••••••••••

Send To sample@yahoo.com

Sender sample@yahoo.com

Subject

*** Application Password instead of original password

Message Test

Motion detected by camera

③ Gmail

Gmail requires to activate 2-Step Verification and use Application Password, please follow below steps.

1. Official link explaining how to activate 2-Step Verification for Gmail: <https://support.google.com/accounts/answer/185839>

2. Official link explaining how to generate Application Password for Gmail: <https://support.google.com/accounts/answer/185833>

3. Fill in all the parameters as below.

Mail	SMTP server	Server port	Encrypt type	Authentication	User name	Password	Send To	Sender
Gmail	smtp.gmail.com	465	SSL	ON	Email ID	Application Password	Email ID	Email ID

Back Email Setting Save

SMTP Server smtp.gmail.com

Server port 465

Encrypt Type SSL >

Authentication ☒

User Name sample@gmail.com

Password

Send To sample@gmail.com

*** Application Password instead of original password

Message Test

Motion detected by camera

Auto Cruise Setting

Model	Picture	1-8 Preset Position	Preset Position Cruise	Auto Cruise	Watch Position	Reset
GB-201		Set 1-8	Not Support	Not Support	Set preset position 1	Not Support
GB-202		Set 1-8	ON/OFF call 98	Call 99	Call 79+preset position number	Call 82
GB-213 &4G		Set 1-8	Not Support	Not Support	Set preset position 1	Not Support
GB-218		Set 1-8	ON/OFF call 41 (3000time only)	Call 39 (48hours only)	Set 58 as Watch Position ON/OFF call 56	Call 40
GB-220		Set 1-8	ON/OFF call 41 (3000time only)	Call 39 (48hours only)	Set 58 as Watch Position ON/OFF call 56	Call 40

Use in AP Mode

*** 4G Camera NOT available.**

AP Mode: Camera will send out AP hotspot, mobile phone connect to this AP hotspot (like a wifi signal) to check real-time video and records on the MicroSD card. It works without internet connected. **The range is about 10 meters.**

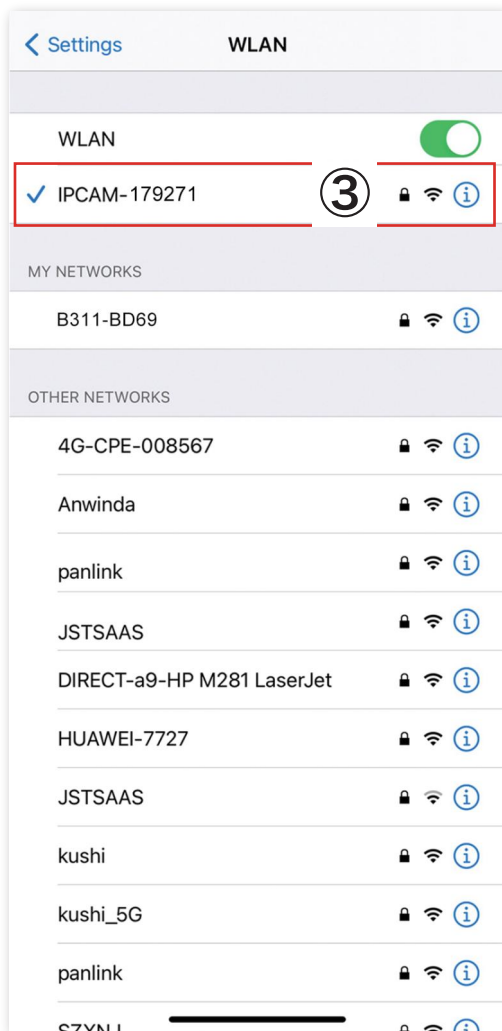
① Power on the camera

*** Press the reset button for 4 seconds and start AP mode.**

② Camera hotspot will show up for about 1 minute. The AP hotspot name is "IPCAM..." (the part of "..." is the same as middle part of camera UID)

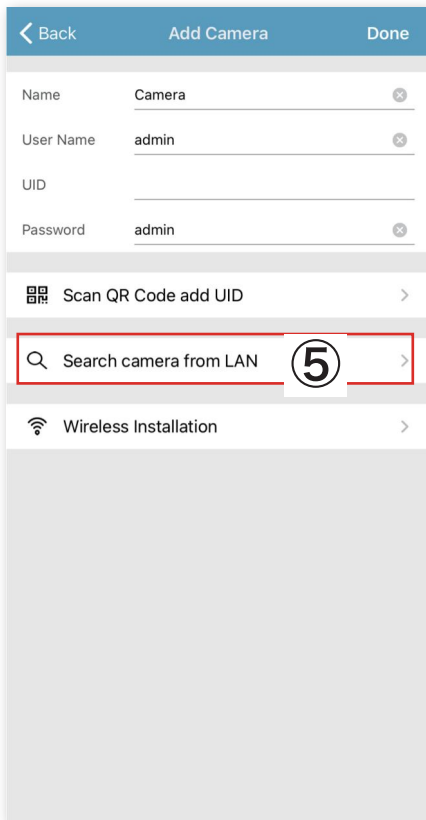
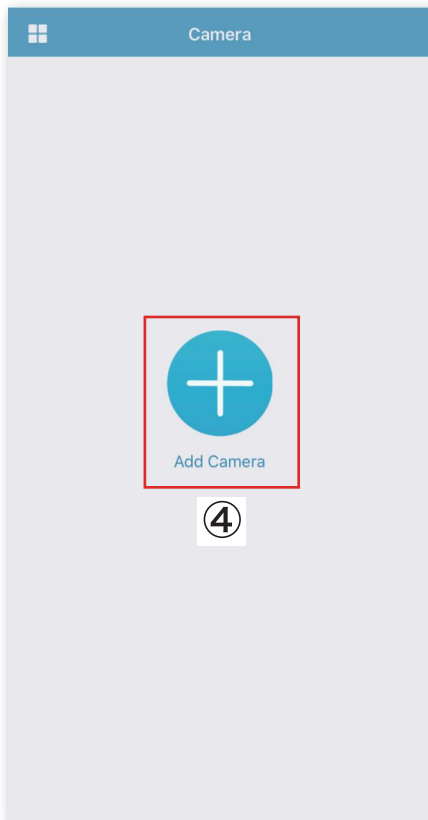
*** If you use AP mode, please refer to page P44. Need to turn off the "Restart timer". Camera automatically restarts automatically once a week, to make sure stable performance. If no network connected, camera cannot aim at the correct time and return to initial time. The video will also be affected.**

③ Connect to "IPCAM" with your phone.
The password is "01234567"



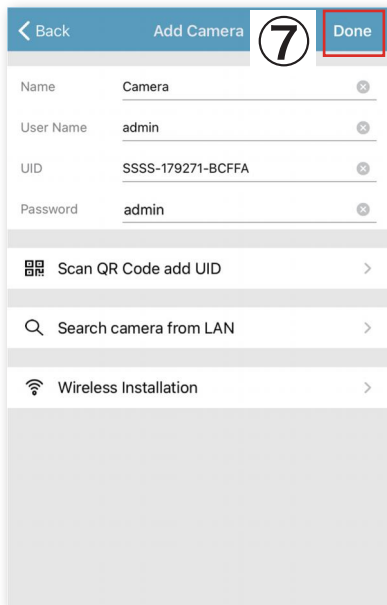
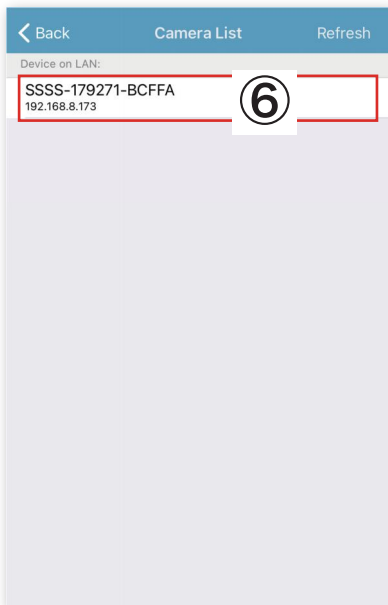
④ Click Add Camera.

⑤ Click Search camera from LAN.



⑥ Click "Search camera from LAN".

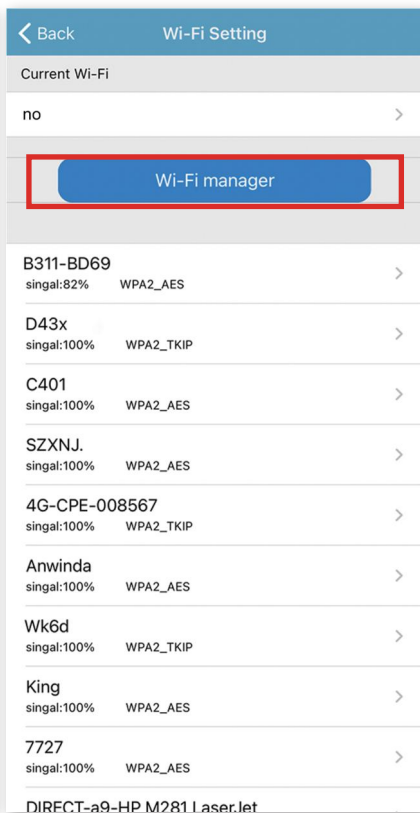
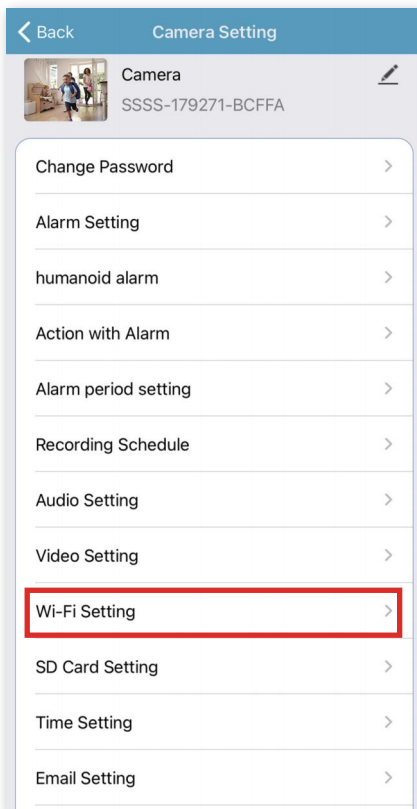
⑦ Camera UID will appear automatically > Done.



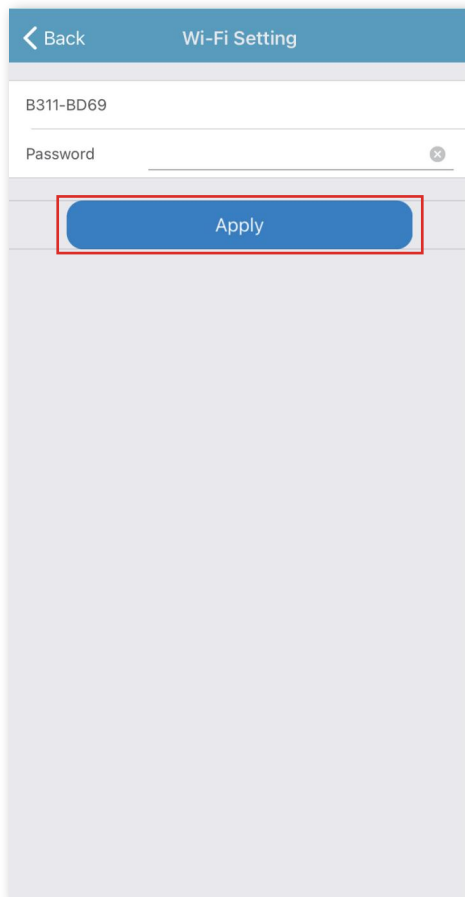
*** AP mode completed until now.**

Change to Wi-Fi Connection

- ① Click Wi-Fi Setting.
- ② Click Wi-Fi manager.



③ Select your wifi account and input wifi password > Apply. Wait about 1 min, the camera will online again, now this camera connected wifi, and you can remote control anywhere anytime.

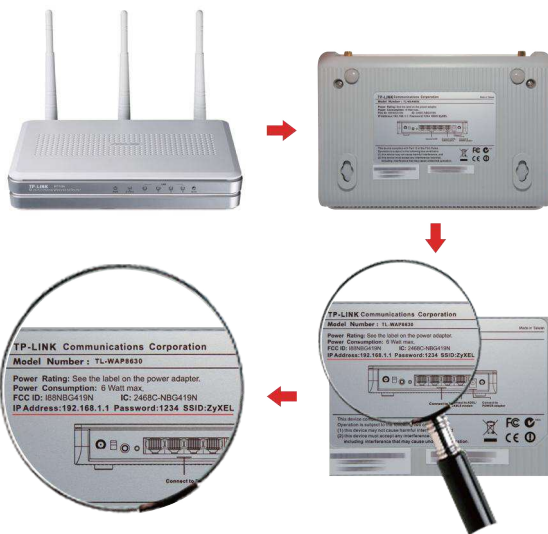


Wi-Fi Environment Self-Checking

If you can't connect successfully, please set the Wi-Fi environment.

1. Check router bottom label, visit the IP address website and login.
2. Enable 2.4GHz at Wireless Settings, Select "WPA-PSK" or "WPA2-PSK" as Security Version and keep DHCP on.
3. Select "AES" or "TKIP" as Encryption type, DO NOT support "AES+TKIP".
4. DO NOT HIDE SSID.
5. Wi-Fi Password DO NOT include special symbol like #@\$%&*.....

(Step1)



(Step2)

TP-LINK
TL-WPA8630

LED Logout Reboot

Wireless

2.4GHz: 5GHz

☒ Enable Wireless Radio

Network Name (SSID): ☐ Hide SSID

Password:

☒ Basic

Security: WPA/WPA2-Personal (Recommended)

Version: ☐ Auto ☒ WPA-PSK ☐ WPA2-PSK

Encryption: ☐ Auto ☐ TKIP ☒ AES

Mode: 802.11b/g/n mixed

Channel Width: ☒ Auto ☐ 20MHz ☐ 40MHz

Channel: Auto

Transmit Power: ☐ Low ☐ Middle ☒ High

TP-LINK
TL-WPA8630

LED Logout Reboot

Status
Quick Setup
Network
Dual Band Selection
Wireless 2.4GHz
Wireless 5GHz
Guest Network
DHCP
- DHCP Settings
- DHCP Clients List
- Address Reservation
USB Settings
NAT
Forwarding
Security
Parent Control
Access Control
Advanced Routing
Bandwidth Control
IP & MAC Binding
Dynamic DNS

DHCP Settings

DHCP Server: ☐ Disable ☒ Enable

Start IP Address: 192.168.2.100

End IP Address: 192.168.2.199

Lease Time: 120 minutes (1-2880 minutes, the default value is 120)

Default Gateway: 192.168.2.254 (optional)

Default Domain: (optional)

DNS Server: 192.168.2.254 (optional)

Secondary DNS Server: 8.8.8.8 (optional)

Save

Q&A:

Q: Why the time isn't correct that displayed on screen? Any effect?

A:Default time area is GMT+8.Please sync with your phone time or select your local time zone and save. While make sure your mobile phone time with 24H type.Time different will caused video files error.

Q: Too many useless motion detection alerts?

A:2 way to adjution:

- 1.Turn on Humanoid Alarm,this function only triggered by human.
- 2.Please set motion detection area and adjust motion sensitivity level.

Q: Why no recordings when events happens?

A:There are 3 different recording method:

1. Recording schedule;
2. Motion detection recording;
3. Both two at the same time;

Check which recording mode that you set. At the same time please check the camera time whether same with your phone time, the videos save with camera's time.

Q: I have a dual band router, 2.4ghz and 5ghz, will this work?

A:Firstly confirm your camera whether support 2.4GHz or support both 2.4GHz&5GHz. If only support 2.4GHz please operate connect to 2.4GHz wifi signal, if support both, any one signal you can connect. But if 2.4GHz camera operate connect to 5Ghz, the camera will offline when you unplug lan cable from wifi router.

Q: If you changed the new router and can not connect the camera.

A:Please make the new router network name and password same as old router, then the camera will connected automatically.

Q: How do I share the camera with my family?

A: Please log in camera settings, at top right corner click share menu to share this camera to other people. Or fill in UID and password manually to connect it.

Q: Does camera support other company 4G SIM card?

A: We recommend that you use the Genbolt 4G SIM card in case of APN compatibility issues.

Q: How do i refill sim card and check the data?

A: Add camera firstly then you will see 4G sign, click it go to refill and check the data.

Q: Can i stop to refill the sim card for months and refill again once i needed?

A: Yes, of course. but the sim card will expired in a year.

Q: How can i do if the weather is bad the solar panel recharge very slow.

A: Yes, the solar panel charge very slow in bad weather, you may adjust solar panel position to received more light, and also you can recharge it manually with USB cable.

Q: Does the camera support ONVIF and RTSP?

A: Yes , ① rtsp://IPaddress:554/11 ② ONVIF port is 8080
③ HTTP port is 80

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Monday-Friday: 7:30-10:30 (English) GENBOLT FaceBook
Monday-Friday: 9:30-12:30 (Middle East)

WWW.GENBOLT.COM

Wi-Fi Battery Setup



English YouTube:
[Youtu.be/YXMI6B5_oxc](https://youtu.be/YXMI6B5_oxc)

Wi-Fi DC/POE Setup



English YouTube:
[Youtu.be/QF0mc2_JCXA](https://youtu.be/QF0mc2_JCXA)