User Guide

CAMVIO A1

v1.0

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Parts List

	Camera
	Wall Mount with screws
	USB-C Cable
	MicroSD Card

FCC STATEMENT

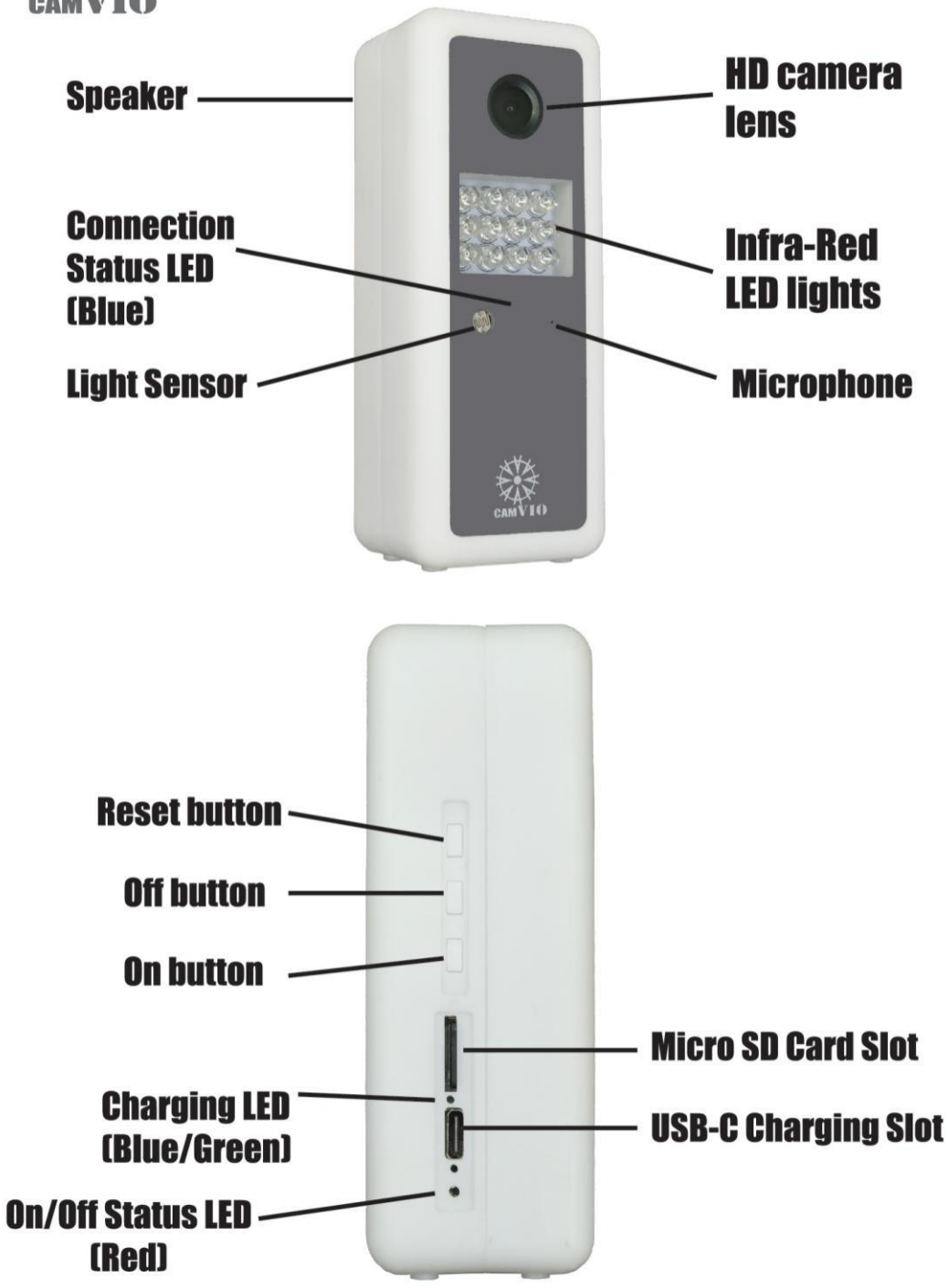
1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference,and
(2) This device must accept any interference received, including interference that may cause undesired operation.
2. Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device. pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver.
Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.
This equipment should be installed and operated with minimum distance 20cm between the radiator & your body .


Speaker
HD camera lens
Connection Status LED (Blue)
Infra-Red LED lights
Light Sensor
Microphone
Reset button
Off button
On button
Micro SD Card Slot
Charging LED (Blue/Green)
USB-C Charging Slot
On/Off Status LED (Red)

A) LED Signal Status

Charging LED (Side Panel- up)	
Charging	Blue
Charging Completed	Green

Power Light (Side Panel low)	
On	Red
Off	No

Connection Status LED (Front Panel)	
Switch On	Lighted up for 5 sec, then flashing rapidly to initial connection
AP Connected	Flashing slowly
WIFI Connected	Lighted continuously

B) First Time Use (Android or IOS device)

* Support up to 64GB.
* The microSD card is needed for videos/images recording.
* The camera can still operate without microSD card.
* Recommend to charge the camera 6 hours before use.
* The camera is not rain/water proof.
* Remove the front and back screen protector before use.

1) Insert the microSD Card into the camera.
   *The pin of the microSD Card face to the front of the camera
   *Recommend to format the microSD in the computer before insert to the camera.
2) Download the APP on your Android or IOS Device
   Android Play Store: minicam
   IOS App Store : minicam

C) Point to Point Connection (AP Mode)

* Direct connect the camera to the Android or IOS device without using Internet connection.
* Place the camera near to your Android or IOS device during connecting
* Internet on the Android or IOS device cannot be accessed in this AP mode

1) Press "On" button and wait for around 40sec. The blue led light at the front will be lighted up, then flash rapidly and then flash slowly at the end.

2) Go to "WIFI setting" in your Android or IOS device, select the WIFI SSID "CAMxxx-xxxxx-xxxxx". Then, waiting your Android or IOS Device to show "Connected, no internet" or "Connected, Unsecure". (Refresh your WIFI if cannot see the camera's SSID)
IMPORTNAT: Do not switching to other network or your mobile network during the connection or after connected.

3) Open the minicam APP at the Android or IOS Device.

4) Click the Menu logo at the left top corner in the app.
Then, → Add Device → Lan search device

5) The camera name will be shown on the screen. Click "Add" to add the camera to the APP.

6) The screen will be returned to main page. The status "connecting" will be shown next to the camera name. Wait for 1minutes to initiate the connection until the status is changed to "Online".

*If the status doens't change to "Online", please completely exit the app, and re-open it again. And check the WIFI on your Android or IOS device is connected to the camera name - "CAMxxx-xxxxx-xxxxx".

7) Click the "Play" logo ▶ to start.

* If the "Play" Logo is not showing up, please exit the APP and reopen it again.
* If connection timeout, click the reflash logo ↻ at right bottom of the main screen.

D) Connect Camera to Internet (WIFI Mode)

IMPORTANT: The step 1-7 at (Section C- Point to point mode) must be completed before the following steps to connect the camera to internet.
* This camera can only support 2.4Ghz WIFI. NOT support 5Ghz WIFI.

9) Click the "setting" logo at the right in the app to go to setting page.

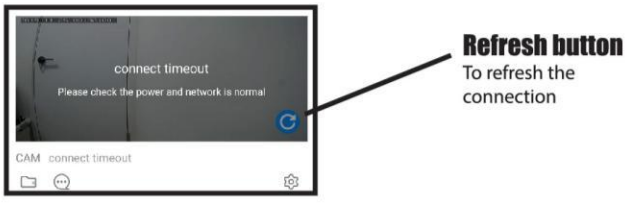
10) Click the "Network/WIFI configuration"
→ Select wifi SSID (with internet)
→ Input the WIFI password
→ Click the "tick/comfirm" to save

11) Back to the main page in the APP. The status "connecting" will be shown next to the camera name. Wait for 1minutes for initiate the connection until the status is changed to "Online"

12) Click the "Play" logo to start.

13) The camera is now connecting to the internet through your WIFI router. The camera can be accessed anywhere though internet.

* The camera cannot be changed back to "Point to Point mode" unless reset the camera. To reset the camera. Please go to "Reset Camera" section.
* If the "Play" Logo is not showing up, click the refresh logo at the main screen.
* If the "Play" logo still not showing, please exit the APP and reopen it again OR Restart both the camera and the android/IOS device.



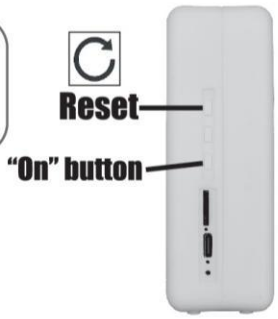
E) Password Setting

IMPORTANT: The default password is "8888". It is very IMPORTANT to change the password for the first time use.

To reset the password,
Go to Setting → High Level/ Other Configuration → User Set.
Input your password and then click the "Tick/confirm" to save.

F) Reset Camera

IMPORTANT: To reset the camera, all the previous setting will be deleted and return to factory default
*Do not turn off the camera during the reset.



1) Please press the "On" button to turn on the camera and wait for 30sec to let the camera completely turn on.
2) Press and hold "Reset" button for 3sec, the front LED flash rapidly and then will be turn off in another 3sec.
3) Do not touch the camera and wait for another 10sec, then press the "On" button again to turn on the camera. The camera will be turn off one more time after few seconds. Now the camera at the factory default status.

G) Charging

Charging adaptor is not included. You can plug the camera into the computer USB for charging. Or use a USB charger with 5V (0.5A-1.5A) output.

Connect the USB-C cable(included) to the charger to charge the camera. The charging light will be lighted (Blue) during charging. And changed to green when completed.

Blue LED = Charging
Green LED = Completed

H) Battery Standby Time:

Standard mode: 10 hours.
Night Vision mode: 5.5 hours. (Infra-red leds on).
* The aboves are an estimated battery life, the actual battery life will be affected by the actual usage, WIFI signal, environments...etc.
* Video steam might turn green when the battery is in very low level.

I) Install on the Wall:

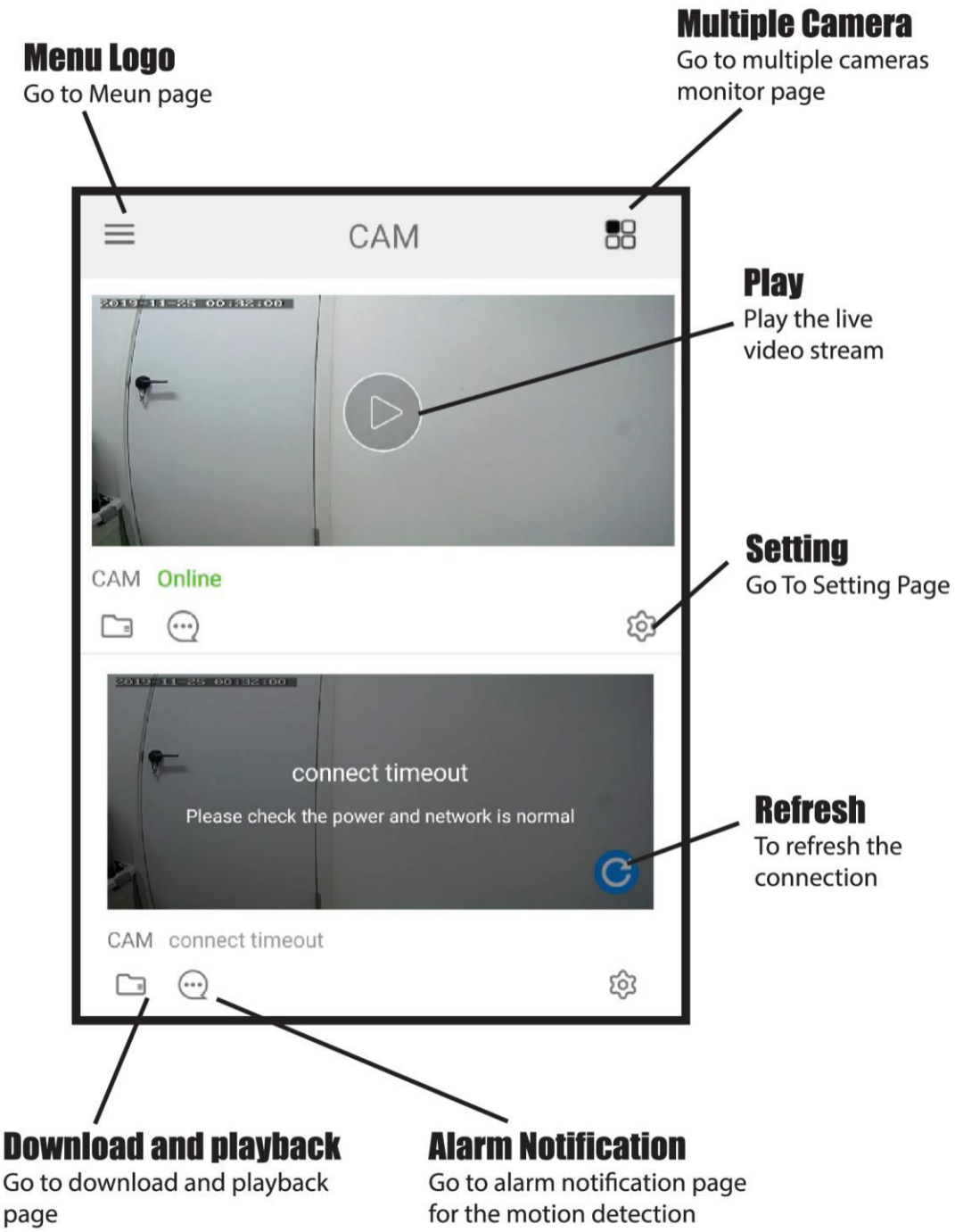
* The ideal distance between camera and subject is around 10 -15 feet(3-6meter).
* Recommend to install the camera at a high position, 5- 7feet(1.5-2.1 meters) above the ground and point down the camera lens with angle (30-60 degree)

1) Mark the screw position on wall for the wall mount; Use suitable tools to drill the holes on the wall.
2) Install the wall mount to the wall. (Do not install the camera onto the wall mount at this step)
3) Install the camera to the wall mount by turning it clockwise (>5turns), tighten the "small dial" ensure the camera is holding tight.
4) Adjust the angle of the wall mount. And then tighten the "angle dial".

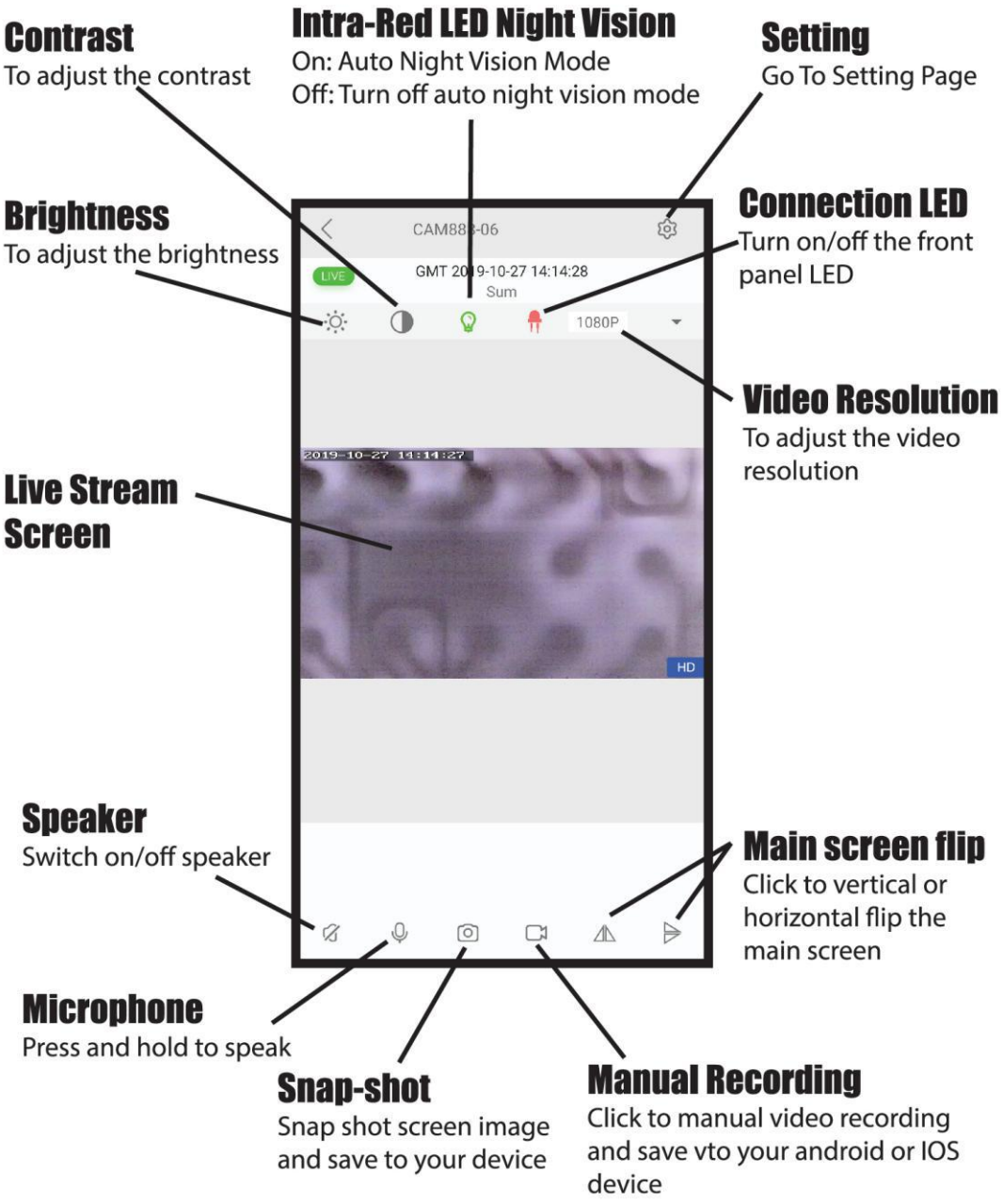
J) Connection Range:

For an open area, the connection range is around 160feet (50meters) in line of sight. The connection range depends on the power of WIFI signal and any physical boundaries in between. (example: wall, window)
*Do not put the camera close to the WIFI router or other electronic device. (at least 1 meter away)
*If the video stream is lagging, please use the lower resolution of video or put the camera closer to the WIFI or using strong signal router.

K) Main Screen:



L) Live Stream Screen:



M) Setting Page:

1- ID/ Device Name
To name your camera

2- Device Password
Input the password to login

3- Share
A QR code of camera. Can share to other device by using this QR Code

4- Alarm Notification/Push
Turn on/off the alarm push(notification)

5- WIFI/ Network Configuration
To change the wifi connection or wifi password

6- Alarm/Motion Detection Set
To change motion detection setting
- Motion dection: Change the senstitivty(min, low, mid, high)
- Alarm Space: To set the idle time between 2 alarms.

7 - MicroSD/ TF Card Set
- Capacity: Show the space of the microSD card
- Uninstall SD: To safe unmount the microSD card from your machine
- Format SD: To format your microSD card
- Recording options: (Stop Recording, Full time recording, Alarm Recording Time-lapse Video)

8 - Delete Device
Delete this camera from the APP

9 - Other/ High Level Configuration
Time Set: Set the camera time
Power Frequency: Change the camera frequency to avoid light flicker of some light source (50hz or 60hz)
FTP Set: To set your FTP for uploading
Mail Set: To set your Email for uploading
User Set: To Change the login password
Firmware: Shows the firmware version

N) Recording Options:

* MicroSD card need to be installed for the record function

There are 3 recording options:
Go to Setting → TF/MicroSD Card Set

a) Full time recording: Continuously full time recording, the record files will be split into for the desire record length (30sec to 6mins).
b) Alarm Record: Only record the alarm video that is triggered by the motion detection.
c) Time-lapse/short Video: To record a time-lapse video form 1 to 48 hours.

Notes: If the microSD card is full, the old recorded files will be replaced by the new recored files.

O) Motion Detection Details:

Go to Setting → Motion Detect Set
Motion Detection: There are 4 levels of sensitivity of motion detection (min/lowest, low, midium and high)

*Set the motion detection level to "min" can reduce the false alarm
*"Min/lowest" - more focus on the middle motion detect
*"High" - more focus on full screen motion detect
*Please see the "reduce flase alarm" section for more details

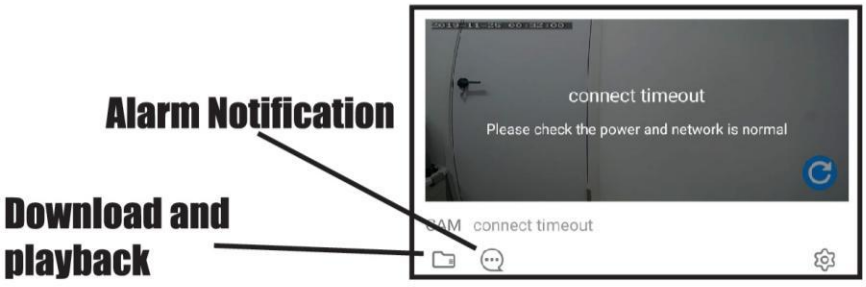
a) Alarm space/interval: The idle time between two single motion detection alarms.
b) Picture/photo email notification: To send the alarm images by email *(email account need to be pre-set at the setting page)
c) Picture/photo FTP notification after alarm: To send the alarm image to the FTP server. *(FTP account need to be pre-set at the setting page).
d) Video FTP notification after alarm: To send the alarm video to the FTP (FTP account need to be pre-set at the setting page).

P) Reduce False Alarm (motion detect):

a) Do not point the camera toward or too close any bright light source or reflective surface. (Example: sun light, water, light bulb, mirror, window).
b) Do not face the camera to a moving/shaking object. (Example: road with moving vehicle , sun shadows, flag, tree).
c) Do not put any high frequency electronic device close to the camera (Example: wireless router, phone).
d) Adjust the sensitivity of the motion detect level in a suitable level. Please refer to the guideline "Motion detect details".
e) When the automatic night vision function is on. The night vision mode will be switched during sunrise or sunset which the false alarm is unavoidable in this situation.
f) Changing the setting of contrast or brightness in the main screen will trigger the motion detect alarm which is unavoidable.
g) Lower the sensitivity of motion detection can reduce the alarm trigger
h) Pointing the camera to a wide area is easier to create the false alarm trigger, try point the camera a narrower/smaller area.

Q) Download/Playback Video:

Click the folder icon at the left bottom corner to play and download all the videos are recorded in the microSD card (full time recording, alarm recording, time-lapse video).
*Full alarm images can be accessed by the alarm notification button or plugging in the microSD card into the computer.



R) Email Notification:

*To set up the email notification, need to get the SMTP server name and SMTP port of your email.
*For some email service provider, the special permission need to be grant by your email service provider.
*Please check your email service provider for more details how to get access the SMTP server.

1) Go to Setting → High Level/Other Configuration → Email Config/Set
2) Input the "Send" email address, SMTP Server name, SMTP port, SMTP email username, SMTP user password.
3) Type the "Received" email address
4) Click "Tick/confirm" to save.

S) Sharing:

* Multiple android/IOS devices can be accessed to the same camera.
* Please be careful, once the camera is shared to others devices, they can access all the data and change all the setting in your camera.

1) Go to Setting → Share
2) Use other IOS/Android Device to scan that QR code OR manually typing the camera ID and password.
3) Go to Setting → Device Password
4) Input the device password.

T) Problem Solving:

Issue	Solution
Camera cannot charging or turn on.	- Check the power of the charger is On; - Check the charger's USB output is 5V with 0.5A to 1.5A output; - Try another USB-C Cable.
If the camera cannot perform initial connection.	- Please ensure the cellular data and wireless permission are granted in your Andriod and IOS device. - Check if the camera is connected a 2.4hz WIFI router(not 5Ghz) - Restart the camera and your Android/IOS device. - Reset the camera
If the camera cannot connect to internet or the APP cannot connect to the camera.	- Complete exit the APP and open it again. - Click the refresh button at the main screen. - Plug in a USB-C cable to ensure the camera have enough battery. - Put the camera closer to the router - Check your router is connected to internet. - Reset the camera and reconnect it.
If the live stream video lag or delay.	- Adjust to lower video resolution. - Check your internet speed. - Reduce the connection distance from the camera to the router or your device. - Plug in a USB-C cable to ensure the camera have enough battery.
If the live stream video turn greenish	- The battery level is low, charging the camera
The night vision infra-Red led is keep flashing.	- Check if there are any object is placed too closed to the camera. - Check if there are glass, water, mirror in front of the camera. - Turn off the automatic night vision mode in the app and turn on again.
The video with light flicker.	- Change the power frequency at the setting page.
Forgot the password.	- Reset the camera and reconnect it.
If the alarm notification cannot be shown on your Andriod or IOS device.	- Check if the notification permission is granted for the APP in your Android or IOS device.
If the camera turns very hot.	- Please turn off the camera and contact us immediately.
Connection LED(Front) not light up	- Check if the LED if turned off in the APP. - Restart the camera.

U) Supports:

If any enquriy, pleae send email to: supports@camviogo.com

FCC Warning Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located for operating in conjunction with any other antenna or transmitter.