



User's Guide

Dual Band 2.4GHz/5Ghz Wireless Outdoor Security Camera

For product related questions, please contact:

Monday -Saturday 9:00 -18:00 Beijing Time(UTC +8)

Whatsapp ID: +86-13570806800

Skype ID: enstercctv

Email: support@enster.com

Tel: +86-755-29578877

For refund/return/exchange, please contact Amazon or retailer.

This User's Guide provides you with all the information you needs to get the most from your product.

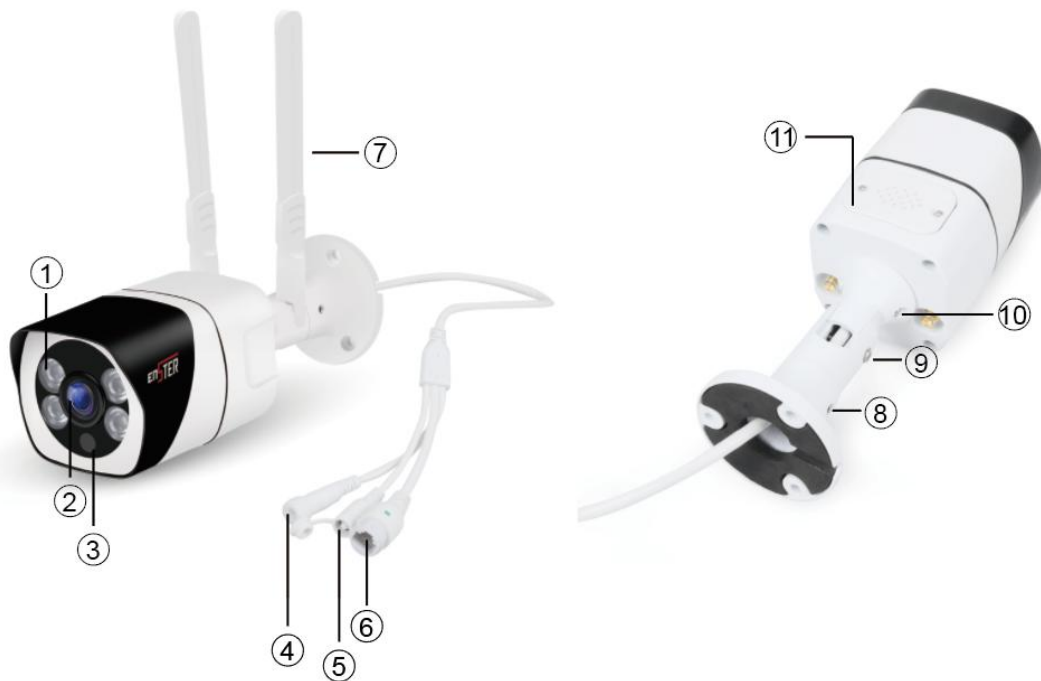
Check the package contents

- 1 x Camera
- 2 x Antenna
- 1 x Power adapter(12V/1A)
- 1 x User's Guide
- 1 x Pack of screws
- 1 x Hex key
- 1 x Warning sticker

Before using this camera, you should know

1. The camera is with power supply and MUST be connected all the time when it is working.
2. Do not connect too many devices to the router.
3. The camera and phone should connect to same Router Wi-Fi during you setup.
4. The Wi-Fi password of the Router.(No special character and Wi-Fi SSID such as @#\$%^&*)
5. Phone, camera and router should be within about 8 feet during connection. After connecting, the camera can be moved to any place in range of Wi-Fi.
6. The fluency of video depends on network quality,refresh video when it is stuck or try to connect one more times if camera lost connection.
7. This User's Guide is written base on iOS devices. And on Android devices are roughly the same.
8. Software and hardware updates will not notify separately.

1. Identifying Parts



- 1.Infrared LEDs(4)
- 2.Camera Lens
- 3.Light Sensor
- 4.Power adapter connector
- 5.Reset button

- Press and hold for 5 seconds to reset the camera.
- 6.Ethernet cable connector
- 7.Antenna
- 8.Hex screw
- Screw to adjust device rotation

9. Hex screw
- Screw to adjust device up and down
- 10.Hex screw

- Screw to adjust device rotation
- 11.SD card slot/Speaker
- Remove the screw to insert SD card

2. APP Setup

2.1 Download APP **CamHi**  from App Store for Iphone, from Google Play for Android Phone.

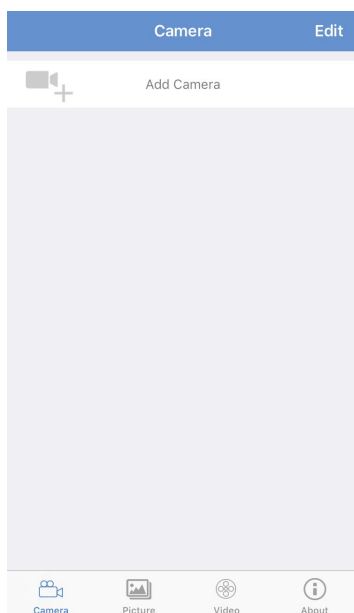
2.2 Wired connection setup steps(Recommend):

2.2.1 Connect camera to power and Lan

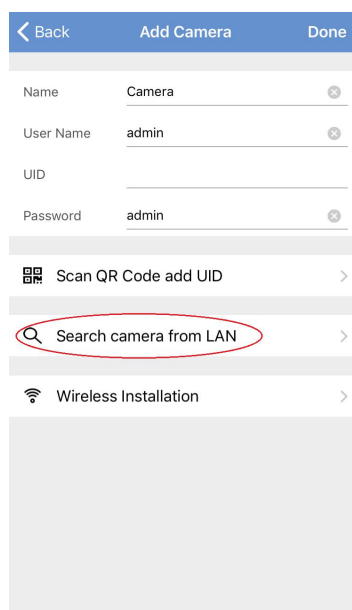


2.2.2 Connect smart-phone to the same Lan/Wi-Fi

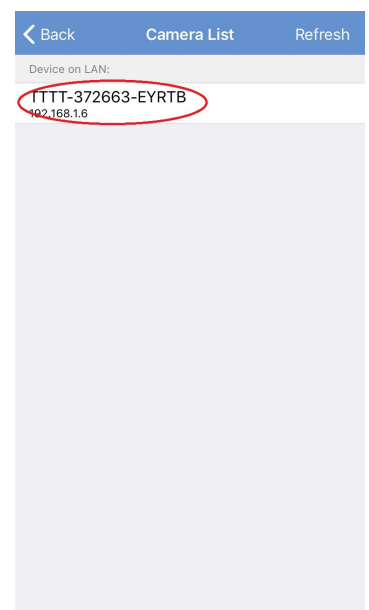
2.2.3 Add camera



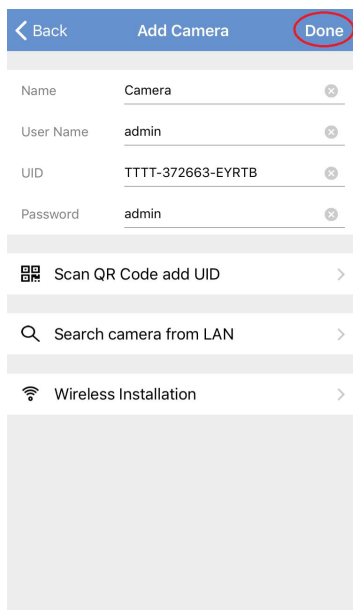
2.2.4 Click Search Camera From Lan



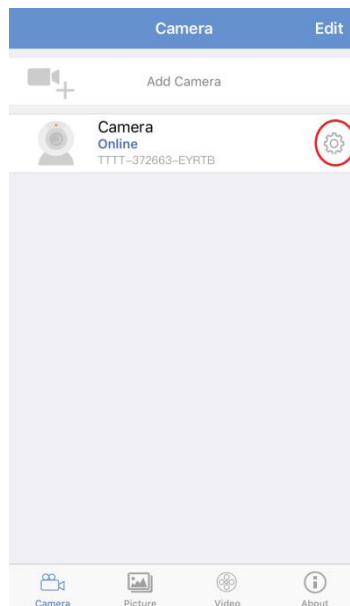
2.2.5 Click the Device



2.2.6 Click Done



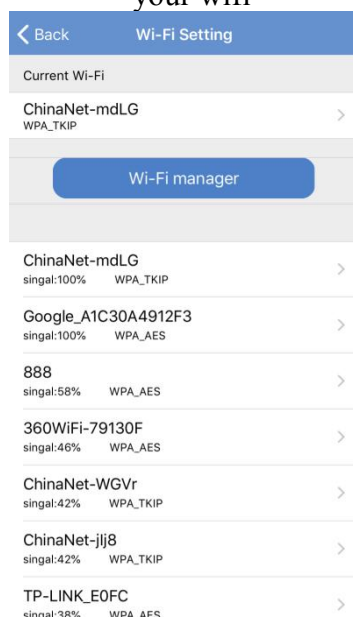
2.2.7 Camera added successfully. Click Setting button



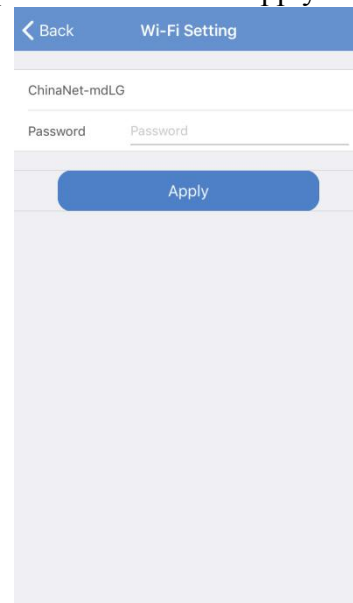
2.2.8 Go to wifi setting



2.2.9 Click Wi-Fi manager, choose your wifi



2.2.10 Input your wifi password and click apply

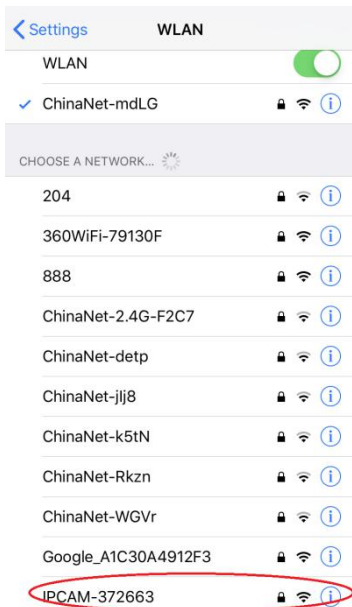


After setting wifi successfully, disconnect the Ethernet cable and wait 30s, then you can view camera wireless.

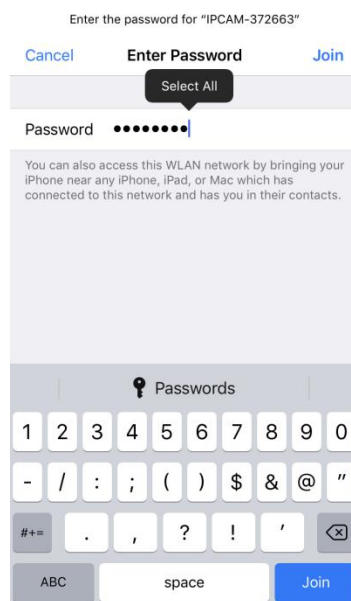
2.3 Wireless connection setup steps

2.3.1 Connect camera to power

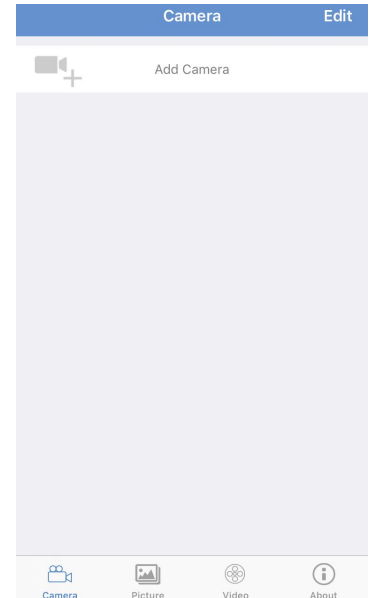
2.3.2 Go to phone WLAN find and connect camera wifi begins with: IPCAM-XXXXXX



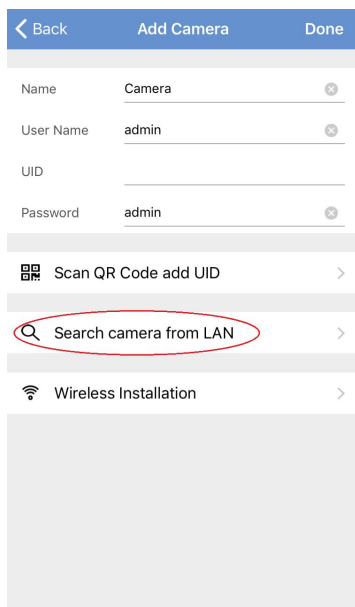
2.3.3 Input camera hot spot password: 01234567



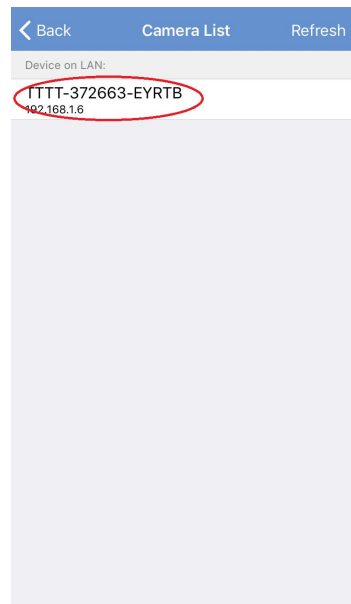
2.3.4 Open the app CamHi, add camera



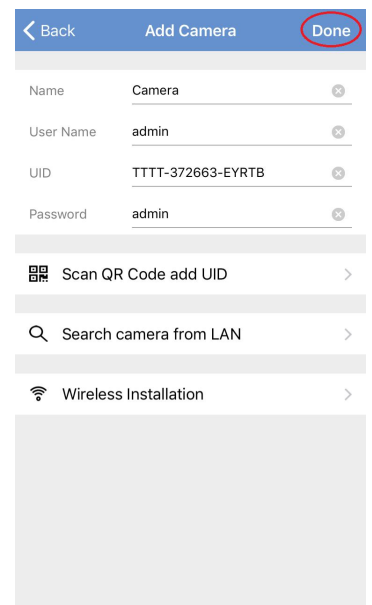
2.3.5 Click Search Camera



2.3.6 Click the Device

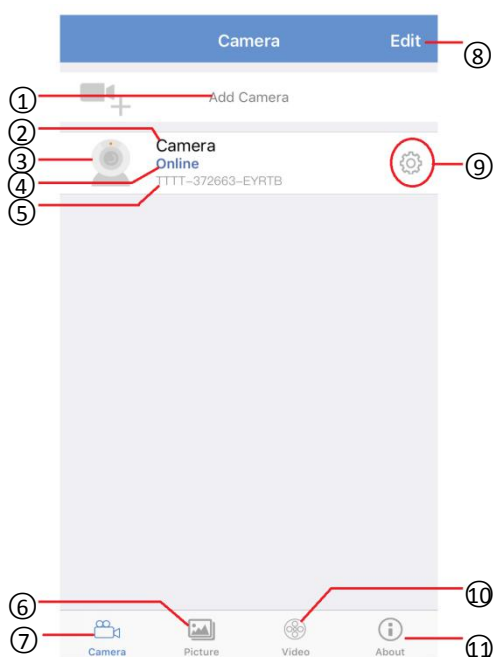


2.3.7 Click Done



Next, follow the steps same as 2.2.7, 2.2.8, 2.2.9, 2.2.10 to connect wifi. After setting wifi successfully, disconnect the Ethernet cable and wait 30s, then you can view camera wireless.

3. Main interface instruction



1. Add camera

Press to add new camera

2. Camera name

Default, not support modification

3. Preview screen

Screenshot of the live video of the last exit

4. Connection Status

5. Camera's UID

6. View screenshot of camera

7. Main Menu

8. Edit

Press to choose camera to remove from your app. You can also remove the camera by swiping the bar.

9. Camera Setting

More detail refers to **5. Camera Setting Instruction**

10. Video

View record video when you insert SD card. More detail refers

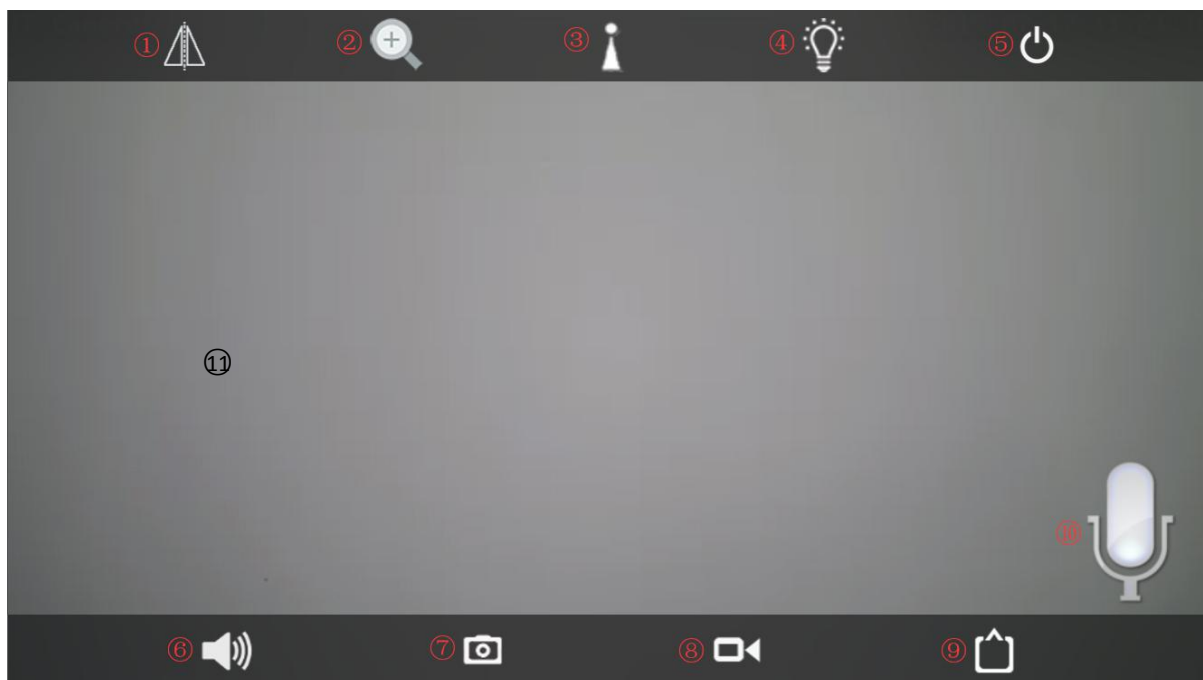
to 6. View Record Instruction

11. About

To view App version.

4. Live video stream on smart phone

The timestamp is displayed in the top right corner of the video.



1. Mirror or Flip the image

Click to choose twisted side to side or flip up-down.

2. This device does not have this feature

3. This device does not support this function

4. This device does not support this function

5. Exit live video

Click to exit view camera.

6. Audio

Click to turn on/off speaker.

7. Screenshot

Click to make a screenshot of the monitor to your phone. You could view record screenshot in **3.1**

Main interface instruction - 6.

8. Recording

Click to record video to your phone. More detail

refers to **3.4 View Record Instruction**

9. Resolution

Click to choose the camera resolution SD/HD.

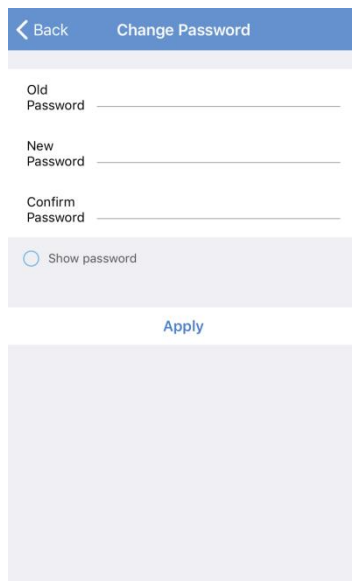
10. Microphone

Click and hold to speak to camera.

11. Display

Finger sliding to Zoom in and out.

5. Camera Settings Instruction



5.1 Change Password

1. Old Password

Enter the old password. (The default password is **admin.**)

1. New Password

Enter the new password.

2. Confirm Password

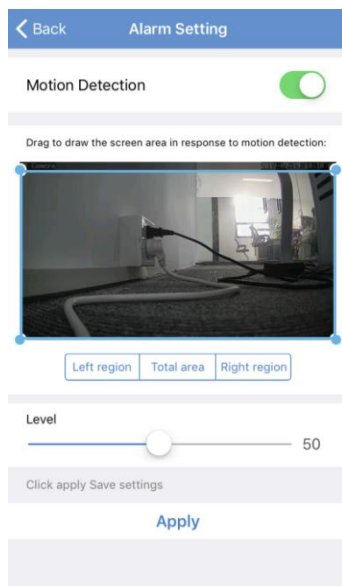
Enter the new password again.

4. Show password

Enable to show the password in clear text.

5. Apply

Click to save.



5.2 Alarm Setting

1. Motion detection enable/disable

Enable the motion detection will show follow settings. (The default settings is disable)

2. Motion detection area

Drag to define the detection area. The camera will only detect motion in selected areas.

3. Sensitivity of motion detection

Drag to adjust sensitivity, the higher the level, the more sensitive.

4. Apply

Click to save.

5.3 Action with Alarm

1. Alarm Notification enable /disable

Enable to allow app to push notification to your phone. (The default settings is disable)

2. Alarm SD REC enable/disable

Enable to allow record the alarm video on SD card. *Should install SD card first.* (The default settings is disable)

3. E-mail Alarm with Picture enable/disable

Enable to allow E-mail alarm come with picture snapshots. *Should enable Email Settings first.* (The default settings is disable)

4. Save Snapshots on FTP Server enable/disable

Enable to allow app upload alarm snapshots on FTP Server. *Should enable FTP Settings first.* (The default settings is disable)

5. Save Video on FTP Server enable/disable

Enable to allow app upload alarm video on FTP Server. *Should enable FTP Settings first.* (The default settings is disable)

6. Snapshot Number

Select the number of pictures sent by alarm E-mail. 1 second interval for each picture. (The default settings is 1)

7. Alarm ringing linkage enable /disable

Enable the motion detection will show follow settings. (The default settings is disable).

8. Sound type

Click to select alarm music.

9. Length of time

Click to select alarm music duration.

5.4 Recording Schedule

1. Set recording length

From 15 seconds to 900 seconds. (The default settings is 600 seconds.)

2. Record enable/disable.

Enable to allow record on SD card. (The default settings is enable.)

3. Stream Setting.

Select the file size of the recording. More detail refer to **3.3.6 Video Setting** (In the default settings, first stream every record file(600s) is about 25 MB, about 3.6 GB for record a day. Second stream every record file(600s) is about 10 MB, about 1.4 GB for record a day. The default settings is First Stream.)

4. Recording schedule

None, will not record.

All Day, will recorder 24 hours, loop records overwrite the oldest files.(The default settings is All Day.)

5. Apply

Click to save.



5.5 Audio Setting

1. Input Type

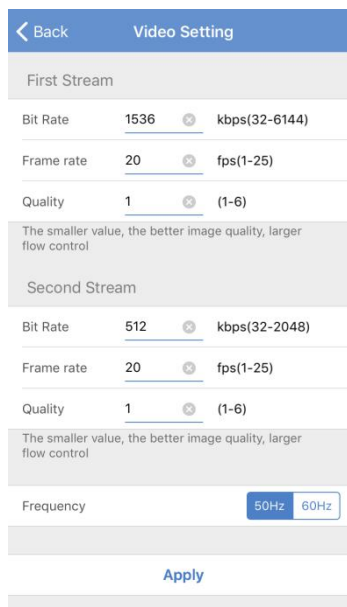
This device does not support this function.

2. Input Volume

Drag to adjust the speaker volume. The bigger the value, the louder.

3. Output Volume

Drag to adjust the microphone volume. The bigger the value, the louder.



5.6 Video Setting

1. Bite Rate (*Not recommend modify*)

The higher the bit rate, the more data is transmitted per second, the larger the record file, and the clearer the picture quality. (The default is 1536 in First Steam, 512 in the Second Stream.)

2. Frame rate (*Not recommend modify*)

The higher frame rate, the larger the record file and the smoother the picture. (The default is 20 in First and Second Stream.)

3. Quality (*Not recommend modify*)

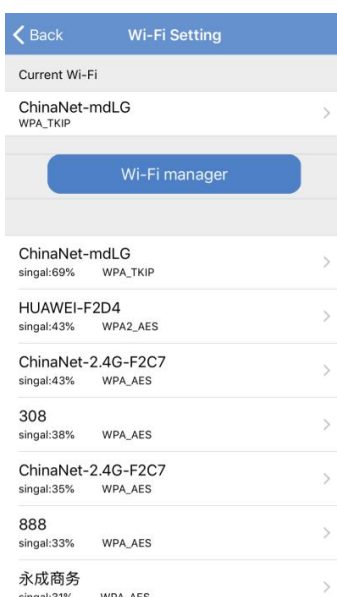
The record image quality. The smaller value, the large the record file and better image quality. (The default is 1 in First and Second Stream.)

4. Frequency

Select Power Frequency. Incorrect frequency can cause the light to flicker. US and Canada select 60Hz. The default is 50Hz.

5. Apply

Click to save.



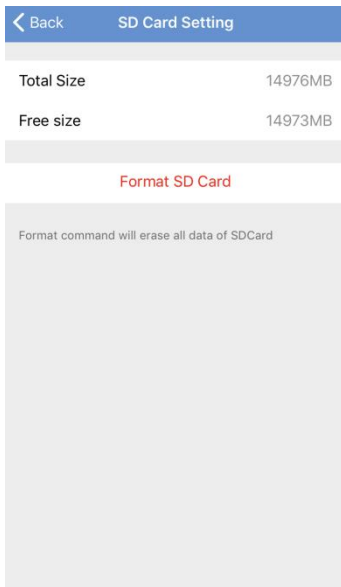
5.7 Wi-Fi Setting

1. Current Wi-Fi

Currently connected Wi-Fi.

2. Wi-Fi manager

Click to display the Wi-Fi that your camera is found.



5.8 SD Card Setting

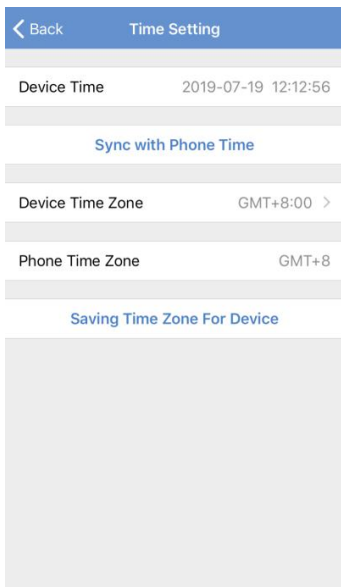
1. Check the SD card status.

Note: If the display is 0MB, the SD card has not been inserted or the SD card has not been recognized.

2. Format the SD card

Click to format the SD card. All the file in the SD card will lost.

For details, please refer to 9



5.9 Time Setting

1. Device Time

The device local time, video time-stamp time.

2. Sync with Phone Time

Click to to sync device time with phone time.

3. Device Time Zone

Click to select Time Zone.

4. Phone Time Zone

Display local Time Zone.

Set the camera time and time zone.

NOTE: Please select the correct Device Time Zone in your area, otherwise it will affect the record.

5.10 Email Setting

To enable email alarm, you should enable IMAP/SMTP Server in your Email Settings first.

1. SMTP Server

SMTP Server address. e.g. smtp.gmail.com

2. Server Port

SMTP Server Port. Enable SLL encrypt the port is 465. Disable Encrypt the port is 45.

3. Encrypt Type

None, SSL, TLS, STARTTLS. Recommend SSL.

4. Authentication Enable/Disable

Recommend Enable.

5. User Name

The alarm E-mail sender name. e.g. enster@gmail.com

6. Password

The send E-mail SMTP Server dedicated password, it is 16-digit alphanumeric password. e.g. ABCD EFGH MIJK LMNO. Find the dedicated password in your E-mail settings.

7. Send To

The E-mail received the alarm. It can be same to Sender email. e.g. enster@gmail.com

8. Sender

The E-mail send the alarm. e.g. enster@gmail.com

9. Subject

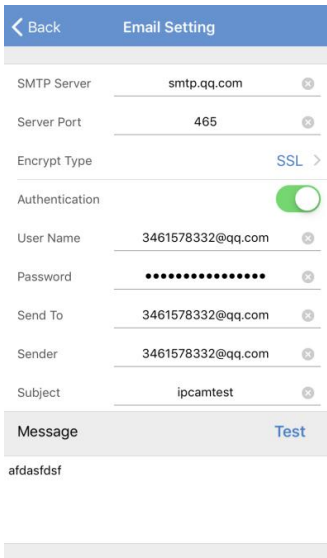
The alarm E-mail subject.

10. Message Test

Click to send the edited E-mail to send to E-mail to test if the E-mail alarm Setting is correct.

11. Apply

Click to save. **For details, please refer to 8**



5.11 FTP Setting

1. Server Add

FTP Server IP address. e.g. 192.168.58.xxx

2. Server Port

FTP Server Port. Usually is 21.

3. User Name

FTP Server User Name.

4. Password

FTP Server User Password.

5. Passive Mode Enable/Disable

6. Path

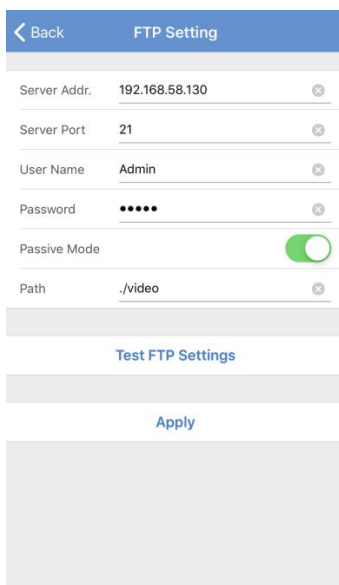
The Server Path to save record video and image.

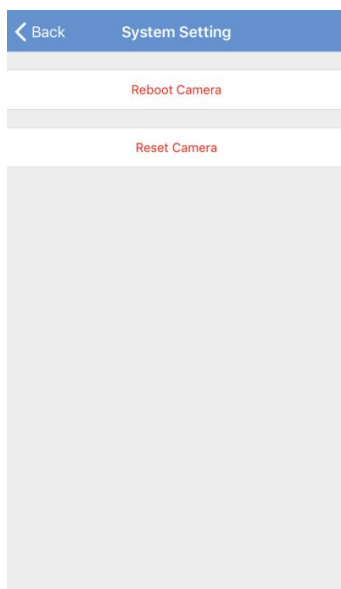
7. Test FTP Settings

Click to test FTP Settings.

10. Apply

Click to save. **For details, please refer to 7**





5.12 System Setting

1. Reboot Camera

Click to restart the camera, all settings will be saved. No need to reconnect.

2. Reset Camera

Click to restore factory settings, all settings will restore the default. Need to reconnect.

6. View Record Instruction

6.1 Video Instruction



Display all connected camera.

1. Online

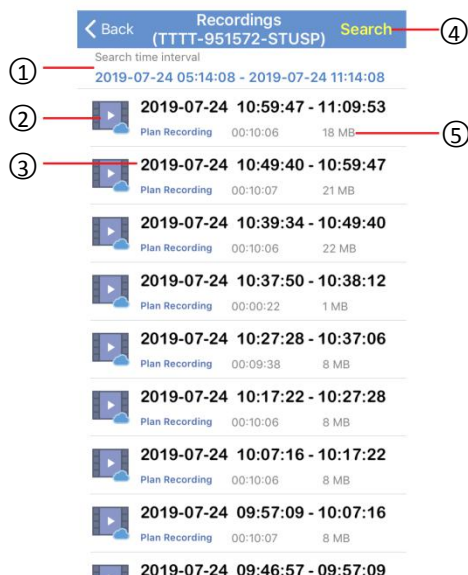
Recording saved on the sd card. Click to view recording. More detail refer to

6.2 Recordings Instruction.

2. Local

Recording saved on the phone. Click to view recording.

6.2 Recordings Instruction



1. Search Time

The default Search Time is the last 6 hours.

2. Recordings

Click to view Recordings.

3. Recordings File Time

4. Search

Click to Search the Recording times.(Within an hour/Within half day/Within a day/Within a week/Custom) Custom only display records for up to one week at a time.

5. Recordings Size

7. How to set up ENSTER camera to use a FTP Server?

What is FTP:

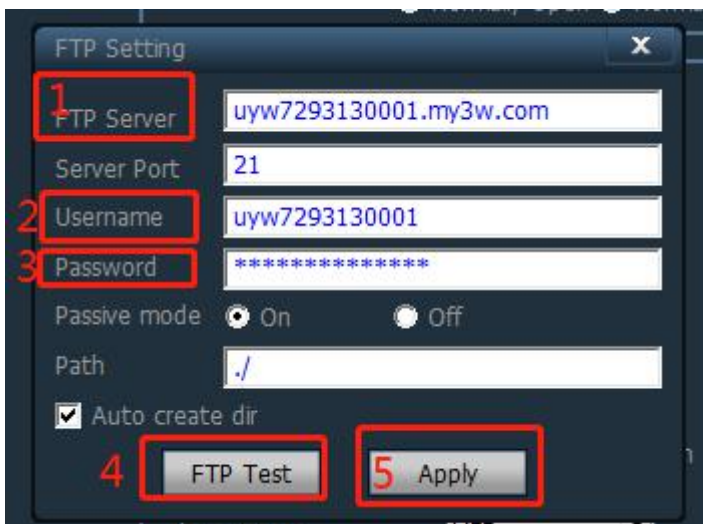
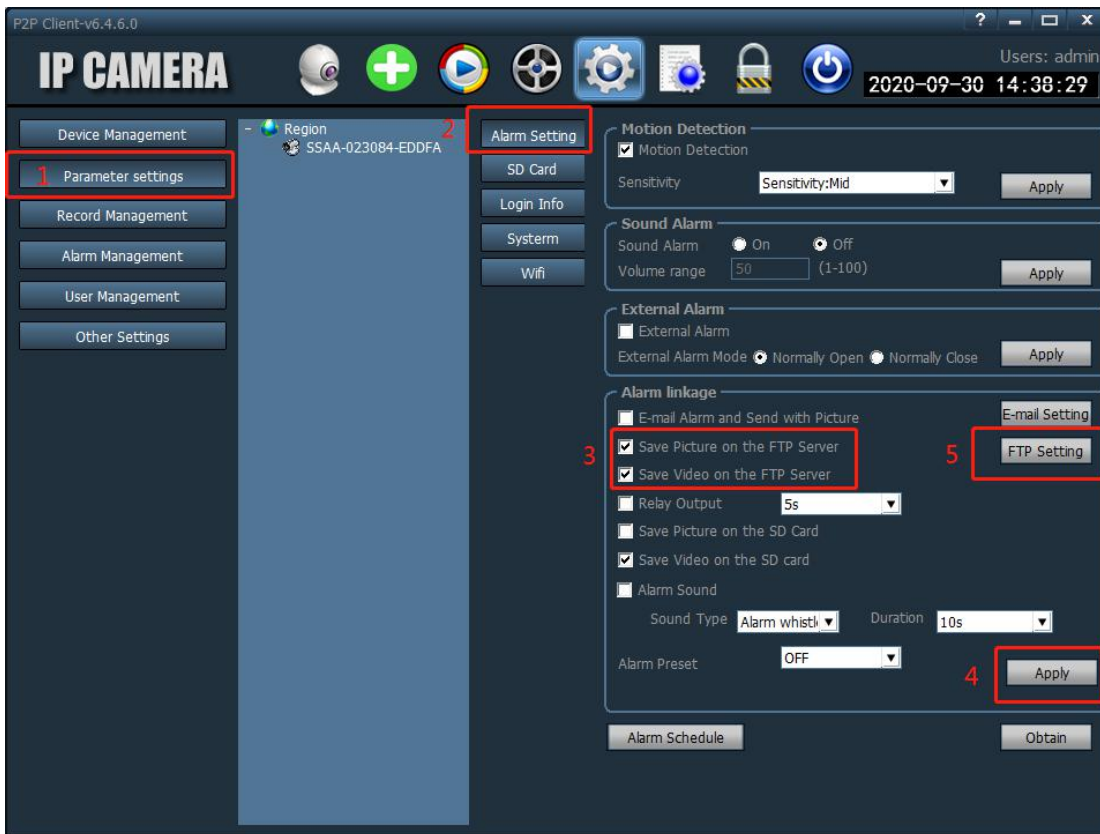
This article will introduce the process of configuring Enster cameras to save files to a FTP Server. FTP is the acronym for File Transfer Protocol and it allows the camera to copy video recordings/files to a computer connected via a network connection.

Before use:

The FTP function can be set through the camhi APP of the mobile phone or computer. Be sure to login to the camera before beginning the steps below. Be sure the FTP computer is setup with a program such as Filezilla and configured properly before proceeding and please make sure that you have obtained the username, password and server URL from the service provider. Please be sure the FTP server is power on, configured, and connected properly.

Step 1: camhi app of the computer

- 1) Log in to the camera through a web browser
- 2) Navigate to the "Settings" tab, choose Alarm Settings, tick Save pictures to FTP server and Save videos to FTP server, click Apply
- 3) Then click Parameter Settings>Alarm Settings>FTP Settings
- 3) Enter the FTP server, username and password of the FTP
- 4) Click Apply and FTP test
- 5) After setting, you can view the video on the FTP server



Step 2: Camhi app of the phone

- 1) Tap Settings> FTP Settings on the mobile app
- 2) Enter the FTP server address, user name and password
- 3) Click Apply and test FTP settings
- 4) Click Settings> Action with Alarm> Click to save pictures to FTP server and save video to FTP server
- 5) After setting, you can view the video on the FTP server

FTP Setting

Server Address uyw7293130001.my3w.com

Server Port 21

User Name uyw7293130001

Password

Passive mode ☒

Path ./

TEST FTP SETTINGS

APPLY

Action with Alarm

Alarm Notifications ☐

Push Name 攝影機

Alarm SD REC ☒

E-mail Alarm with Pictures ☐

Save pictures to FTP server ☒

Save videos to FTP server ☒

Picture num

1 2 3

Set alarm ringing linkage

Alarm ringing linkage: ☐

Note:

Please be sure to click on the Setting button before selecting test or an error is going to occur and when entering the URL for the server `http://` will not be needed. Only the numerical value for example 192.168.1.10

8.What is email SMTP?

SMTP is a protocol that provides reliable and effective email transmission. SMTP is a mail service based on FTP file transfer service. It is mainly used to transfer mail information between systems and provide notifications about incoming letters. SMTP is independent of specific transmission subsystems and only requires reliable and orderly data flow channel support. One of the important features of SMTP is its ability to transmit mail across the network, that is, "SMTP mail relay." Using SMTP, mail transmission between the same network processing process can be realized, and mail transmission between a certain processing process and other networks can also be realized through a relay or gateway.

For this camera, after you set SMTP, you can receive alarm pictures at the same time after the camera detects a person, and you can also set the number of pictures received 1-3.

How to set up SMTP service?

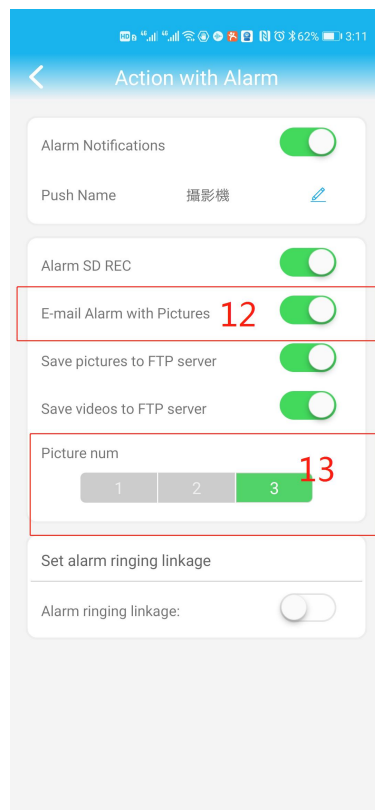
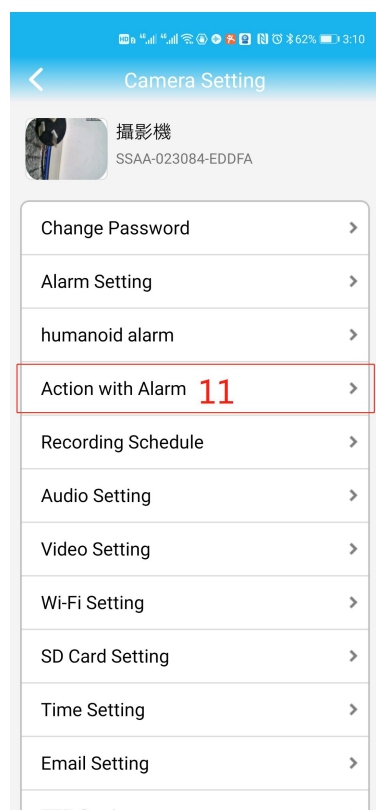
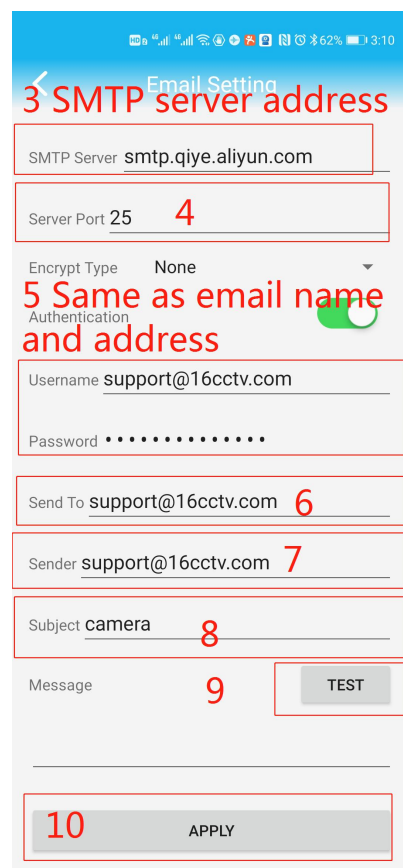
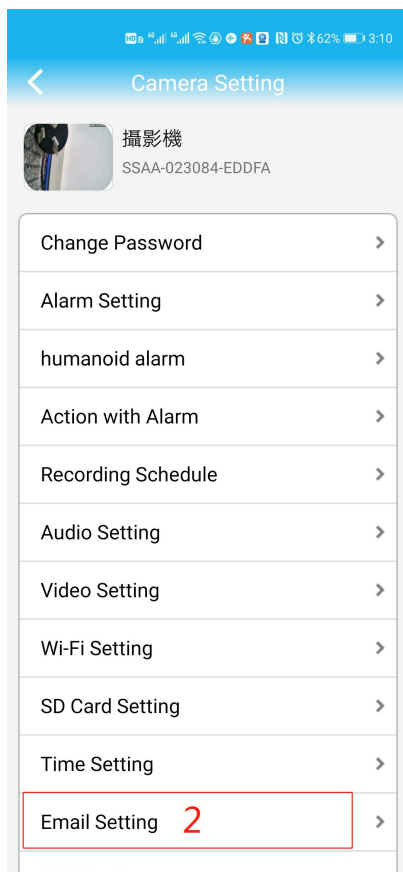
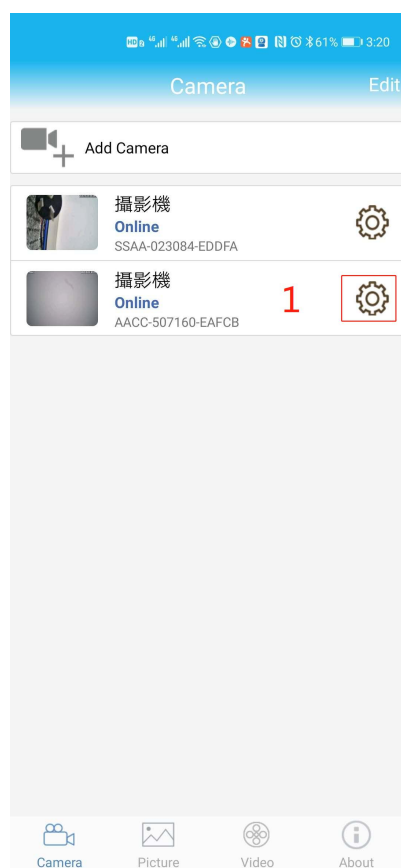
You first need to consult the SMTP server address and port of your mailbox.

After you get this information, open Settings>Email Settings>Enter the SMTP server address>Port>Username is your email address>Password is your email password>Send to is the email address you want to receive>Sender is same as Username>Enter the subject you want to receive emails>Click Test>After success, click Apply.

And go to Settings>Action with Alarm>Click E-mail Alarm with Pistures>and select

the number of pictures received

You can try to receive the pictures by mail when you walk before the camera. For the setting steps, you can refer to the pictures below.



9.How to view the video in the SD card?

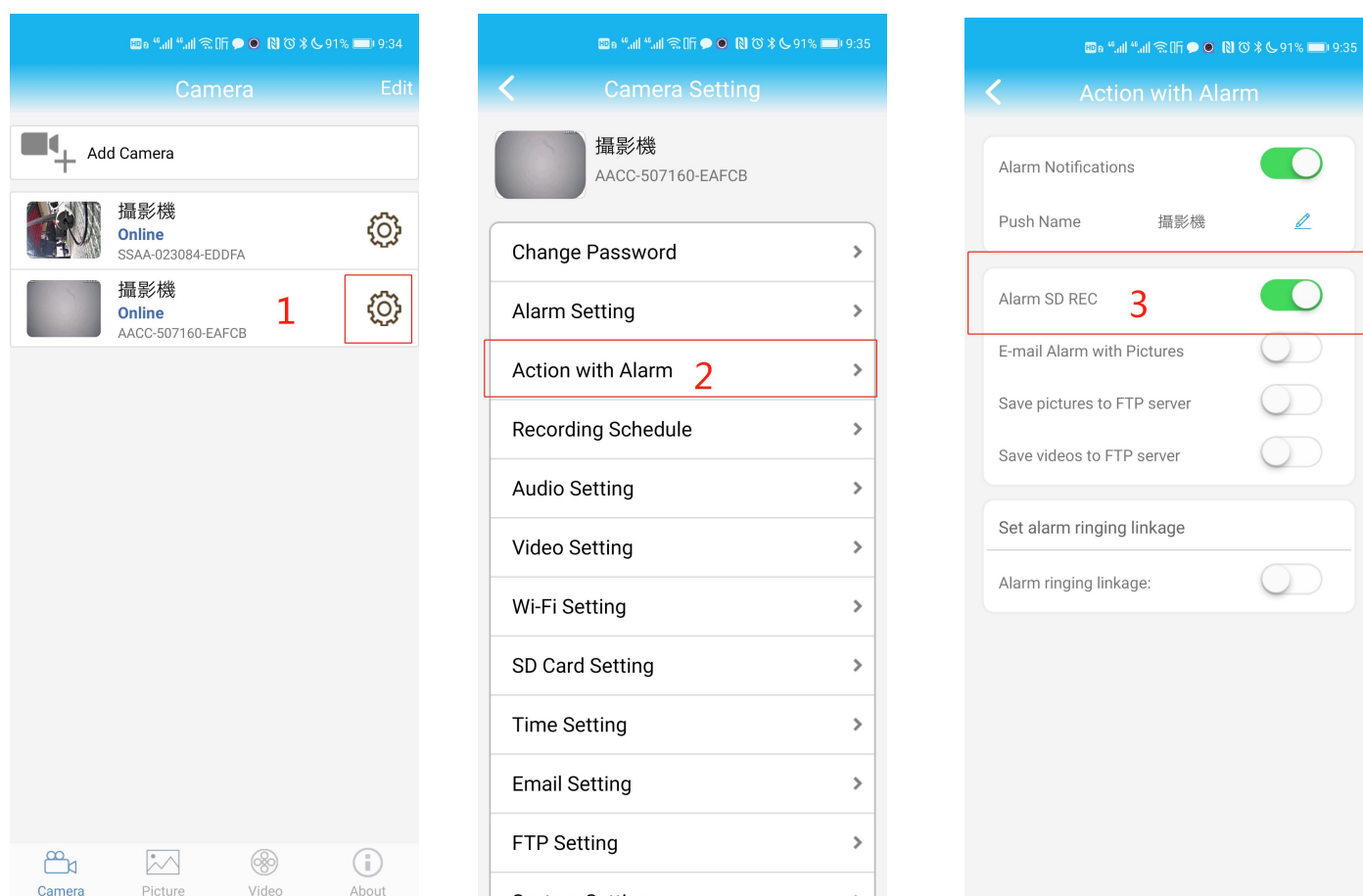
There are two types to save video in the SD card, one is to save it in the SD card after the movement is triggered, and the other is to keep the video all day.

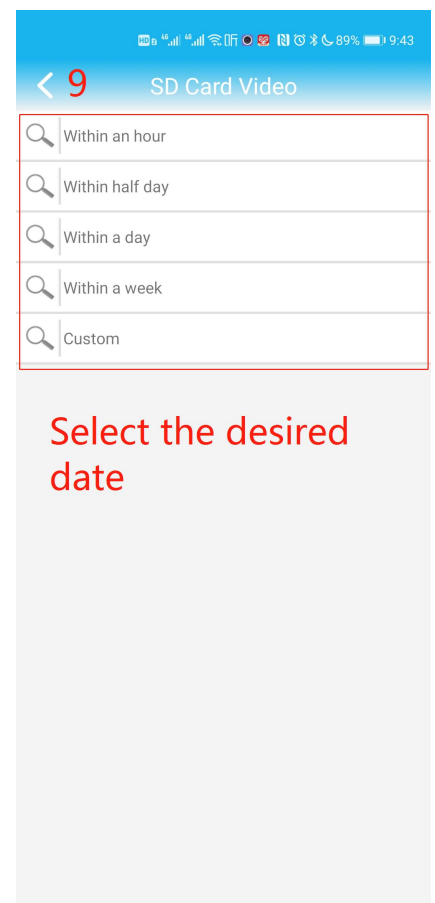
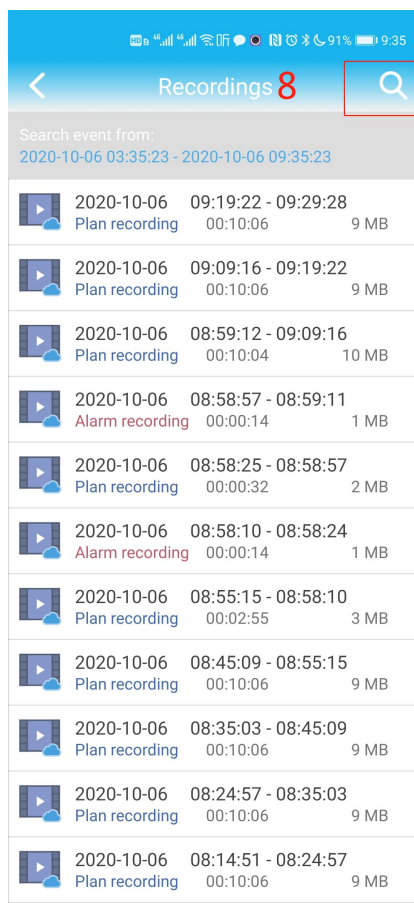
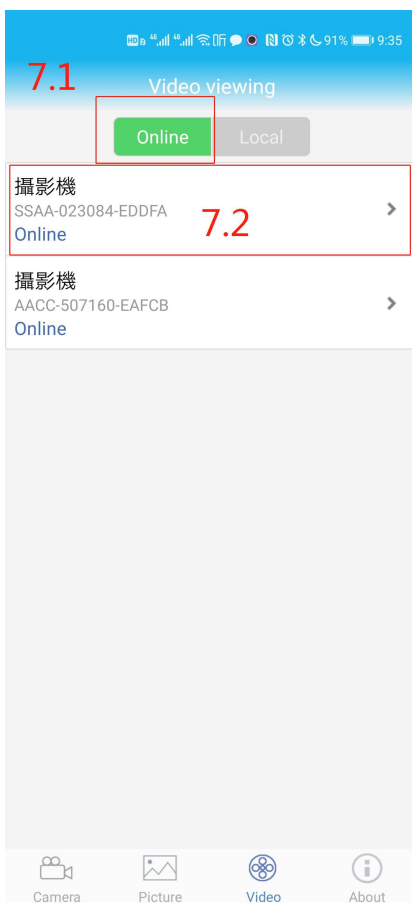
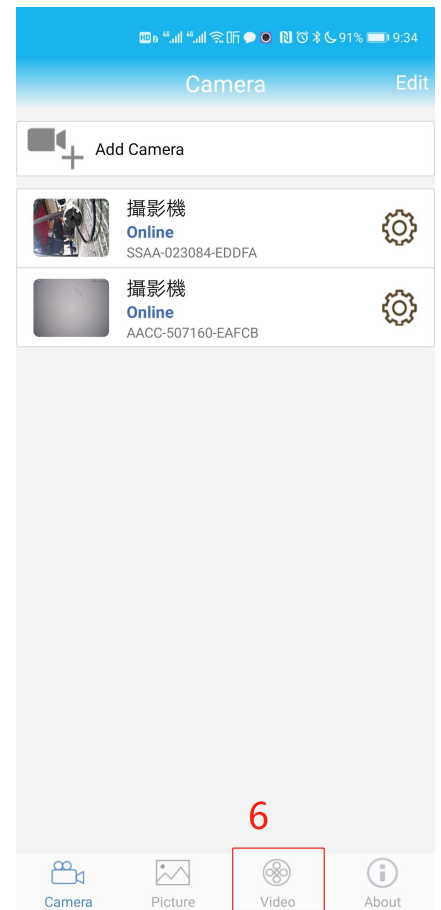
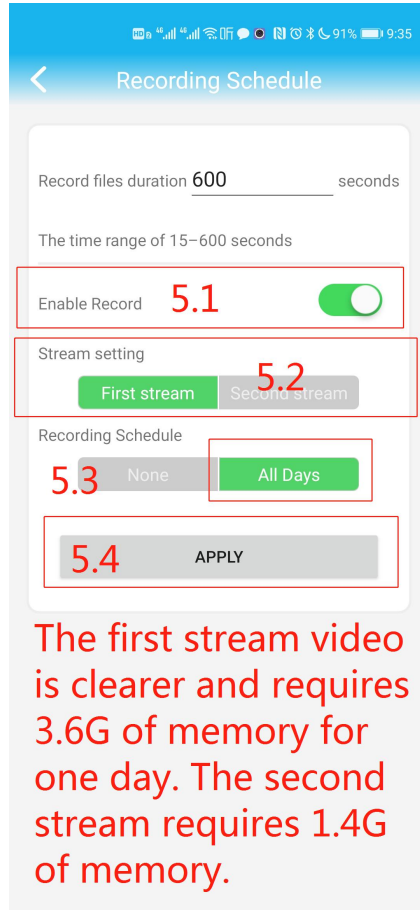
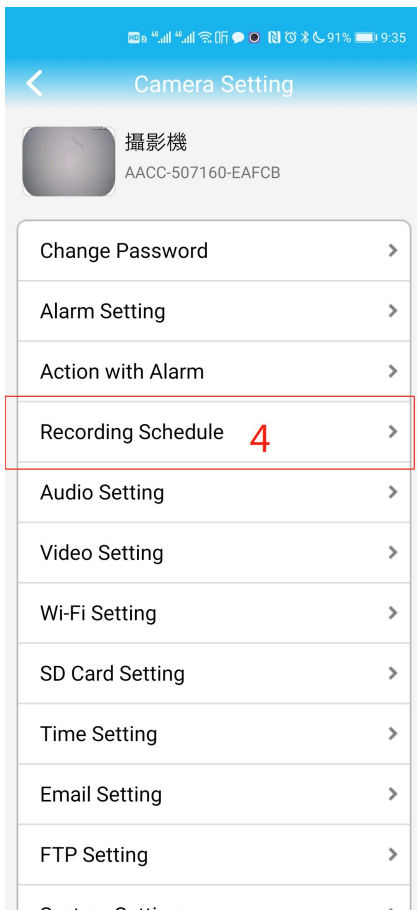
For the first type, you choose Settings>Action with Alarm>Open Alarm SD REC.

For the second type, select Settings>Recording Schedule>Select a stream>All day>Apply.

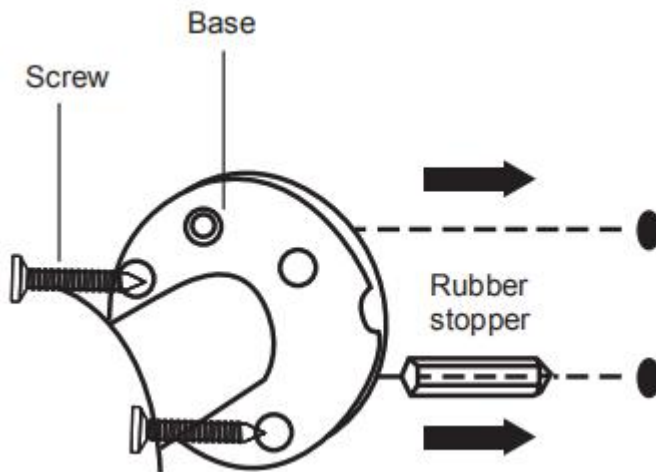
The first stream video is clearer and requires 3.6G of memory for one day. The second stream requires 1.4G of memory for one day. After setting, you can view the video of the time period you need. View the alarm recording and scheduled recording in the homepage Video>Online>Select a specific time to view the alarm recording and scheduled recording.

Please refer to the picture below for details.

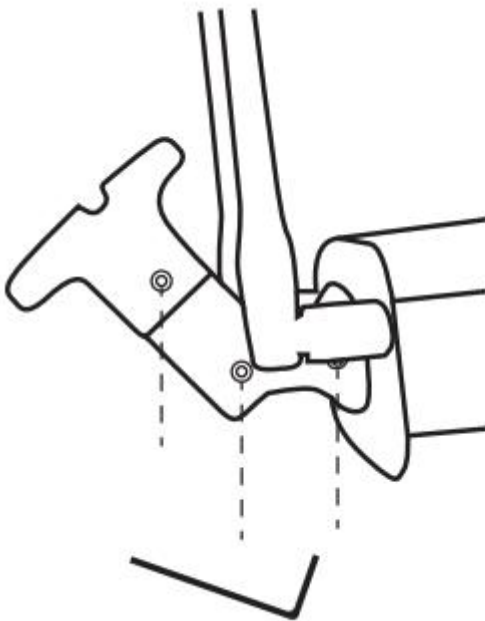




10.Installation



1. Place the device on the mounting wall and marking.
2. Use a 6mm (1/4") diameter drill bit to drill holes in the marking position with a hole depth of about 2.7mm (1/16").
3. Hammer the rubber stopper into the mark position.
4. Screw the device to the rubber stopper.



5. Adjust the angle of the camera with a hex key.

11. FAQ

1. How to insert the TF card?

Remove the 2 screw on the bottom of the camera, you will find the sd card slot.

2. How to set TF card record?

1. Format SD card at “SD Card Setting”
2. The camera will auto turn on recording all day in Settings - Recording Schedule

3. How to view TF card record files?

On app home page, Click “Video”, Click “Online”, click camera ID to check all the record files list, click the record files then you can view video, you should choose the record time at first.

4. How to share camera to your 2nd user?

You can share camera to other users by UID and password, the default password is **admin**

5. What should I do if I forget camera password?

You could only reset the camera if you forget the password.

6. How to reset the camera?



Press the reset button 5s to reset. When you could find the phone WLAN begins with IPCAM-XXXXXX means the camera is reset successfully.

7. How to know if the camera is powered?

Put camera in the dark, the IR lights will turn red when it is on.



Powered



Not powered

8. How to find my camera UID?



When camera connected this is camera's UID,
XXXX-XXXXXX-XXXXXX

12. General Information

If your product is not working properly....

1. Is the device powered?

·Put camera in the dark, the IR lights will turn red when it is on.

·Replace the power adapter

2. Reset the camera.

·When the device is reset, you could find the phone WLAN begins with IPCAM-XXXXXX

·Press and hold the RESET button for 5 seconds.

3. Try again for another different Android/iOS phone

4. Check network status

·Is the network smooth?

·Is the device near the router?

·Is there an obstacle between the router and the device?

·Is the router support 2.4Ghz Wi-Fi?

5. Try again for a different network/router

6. Read this User's Guide.

7. Contact Customer Service:

If you think you need a battery replacement, please contact customer service.

Monday -Saturday 9:00 -18:00 Beijing Time(UTC +8)

Whatsapp ID: +86-13570806800

Skype ID: enstercctv

Email: support@enster.com