



# HomeGuard WiFi

## WiFi Camera Instruction



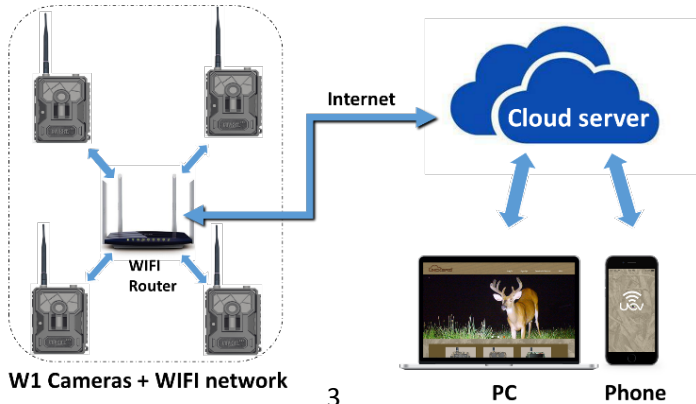
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# 1. Device introduction

## How HomeGuard works

HomeGuard can connect to your WIFI network, with our cloud server, it become convenient to be browsed or controlled by PC or Phone



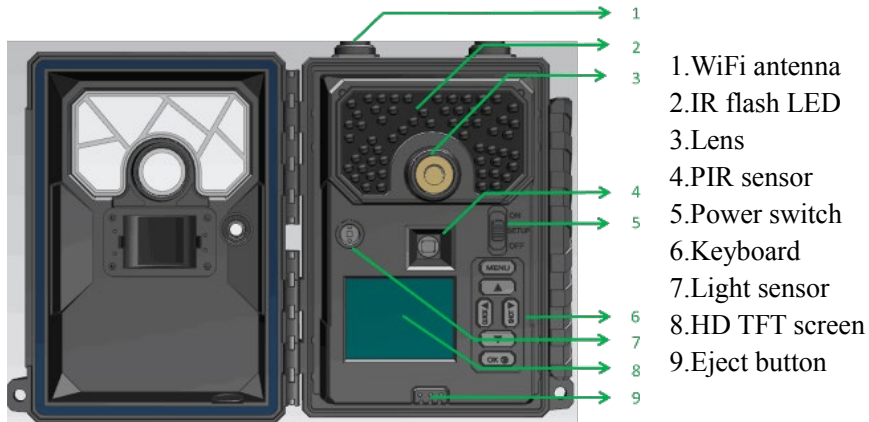
## **Scenario suggestions**

Homeguard can be used in **Domestic implementation for security purpose, Private property scrutiny, Hunting observation, Scout game...** Or any more interesting way you find out, just share your amazing experience with your friend

**Any question? Just visit our website, send your feedback at **FAQ tab:****

<http://www.linckeazi.com>

## Camera Components



# Specification 1

Photo		Support SD card	Up to 32GB	WiFi support	802.11 b/g/n
Resolution options	3MP/5MP/8MP/12MP	Night vision	IR flash with black&white photo/video	Stand by current	0.2mA
Flash power	High/Low	Trigger time	0.6s	Work voltage	12V
Photo burst	1 to 10 pics	Trigger mode	PIR/Time lapse	Battery suggestion	12AA batteries
Sutter speed	Normal/Fast	PIR sensitivity options	Low/Normal/High	Endurance	Over 30days(with new 12AA batteries)
Stamp	Date, Time, temperature, trigger mode	PIR trigger intervals	5sec to 60min	Mini USB port	mini Android usb port, compter can read SD file with usb cable connected
Capture mode	Color by day, Infrared by night	Time lapse options	3min to 24H		
		Flash range	15m		

## Specification 2

<b>Video</b>		<b>Field of view</b>	55 degrees
<b>Video resolution</b>	WVGA/720P /1080P	<b>Battery requirement</b>	12 AA batteries
<b>Video length</b>	5s to 60s, increment 5s	<b>Endurance</b>	30days
<b>Audio</b>	Available	<b>Aux. power input</b>	DC 12V
<b>Stamp</b>	Date, Time, temperature, trigger mode	<b>Mini USB port</b>	Read by PC with USB cable/ Output video signal to TV
<b>Capture mode</b>	Color by day, Infrared by night	<b>Certification</b>	FCC/CE

## **2. Quick Guide**

### **Preparation:**

**Register device** to cloud server, so **sync/mobile phone support/PC browser support** become available

**Visit our cloud server:**

***<https://www.linckeazi.com>***



Login your cloud account, at ‘**PERSONAL PAGE**’ click ‘**Add device**’ button, fill **SN/IMEI/ID** (labeled at package) of your devices

**Step1**



Click

After added your device, it will show up at the button

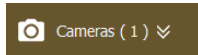
**Step2**

A dark-themed 'Add Device' form. At the top, it says 'Add Device' with a close 'X' button. Below that, there are several input fields: 'Device Name' with the value 'CAMERA', 'SN', 'IMEI/ID', and 'Location Description' (a text area). At the bottom, there are 'Confirm' and 'Cancel' buttons. A green arrow points to the 'SN' field with the text 'Fill the blanks'.

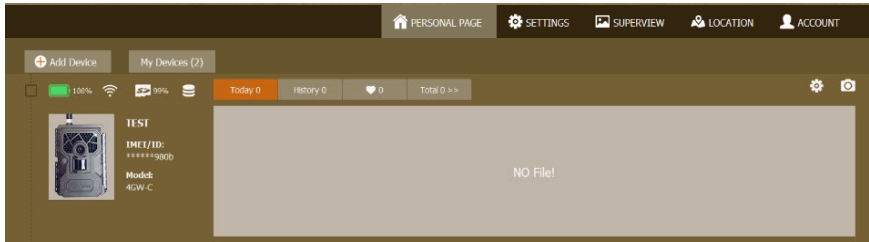
Fill the blanks

Give your device a name and Location description can help to remind you to pick the right one among several devices

You can add more than one Wifi camera, and click the **below button**, camera status will unfold

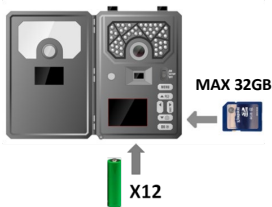


After successfully register the devices to cloud server, your devices will show up



## Set up

### Installing the batteries and SD card



**Notice:** Spring side always be negative, use the same brand battery

Battery reference		
Battery number	8 set	12 set (recommended)
Endurance	Short term	Long term

Push **Eject** button, it will pop out battery case, which can hold 12 set of AA batteries (**with 8 at top, and 4 at bottom**) After installed batteries, push the battery case into camera. Slide the switch to **SETUP** position, screen will light up afterwards

We recommend you fill **12 AA batteries** for long time usage

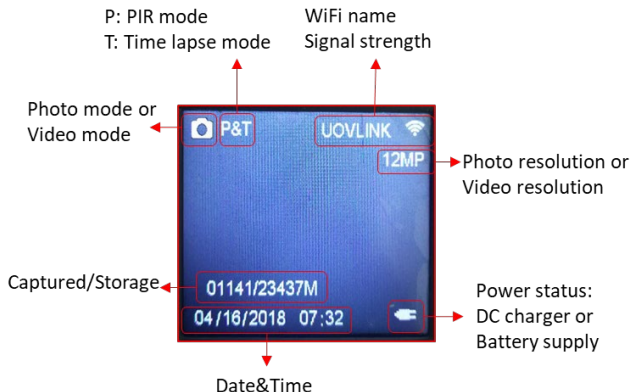
## Camera main panel symbol instruction

Slide to SETUP



Screen will light up

After camera switch to SETUP, the screen will show the **Main Panel** as below:



## Connect to WiFi network

Press **MENU** after camera boot up, scroll down **NET** tab and press **OK** to enter **WiFi Connect**, it will search available WiFi, select '**UOVLINK**' (default name is UOV+3 random number, password: 87654321), press **OK** button to input password, click **Join** after finished password

### Step 1



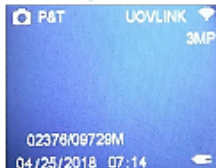
### Step 2



### Step 3



### Step 4

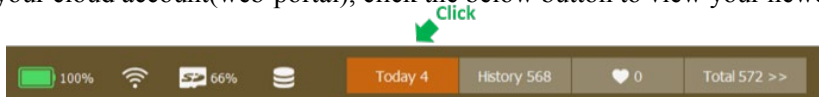


## Send a test photo:

- 1) Press the **SHOT** button, camera will catch a photo
- 2) Press the **OK** button, to Playback the photo you just taken
- 3) Press the **MENU** button you will see the following screen
- 4) Navigate with the **▼** button, select the **SEND** bar and press



When the photo has been sent, it will show up at 'Today' button promptly in your cloud account(web-portal), click the below button to view your newest



## Mount up devices

**Slide to SETUP** After camera boot up, press **MENU** find **Test Mode** and press **OK**, it will display the WiFi signal status, you can start to find a place to mount camera



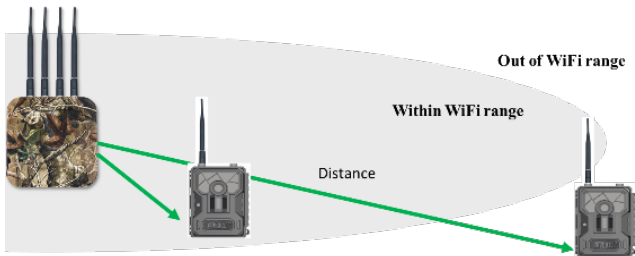
Take the camera walking through the places you want to mount, and **Test Mode** will inform you the signal status

Red LED means in setup mode

Green LED indicates signal strength



When the Green LED lights off, it means the **WiFi signal strength is not enough for transmitting HD photo & video**, take few steps back to host device till the Green LED light on, mount camera





## Mount up tips

After you select an appropriate place to mount camera, **slide switch to ON**, the Red LED will flash 30 seconds then it will start working.

Set appropriate distance, height, angle, device settings and power strategy will make a difference between good to excellent, here some tricks for reference

Mount up reference		
	Domestic scenario	Wild field scenario
<b>Power supplier</b>	12V DC adapter	12 AA batteries
<b>Distance between Host to camera</b>	As long as signal strength is good	1.Open ground:200m 2.Between trees and grass land: 170m 3. Forrest: depends on actual situation
<b>Camera tricks</b>	1.Avoiding facing directly to light source 2.Adjust height and angle to cover the object 3.Avoiding rapid moving backgrounds of field of view, which cause error trigger	

## Camera Button instruction

Buttons Only Available in **SETUP MODE**. Assume all the operation start at main panel

**MENU** button: **Entry** and **Exit** of main menu. Also used as an **Exit** in deeper menu structure, often used with **OK button**

**OK** button:

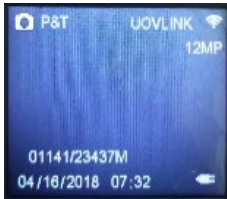
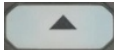
- 1.Entry and Exit of playback
- 2.confirm an operation
- 3.Enter a tab



## Up and Down:

1. Quick switch between **photo mode** and **video mode**
2. Navigation through menu options

Press



Video mode



Photo mode

Press



## Left (QUICK):

1. **Entry** and **Exit** of quick setting.
2. Navigation through menu options

Press



Hit once



Hit again



Press



**Right (SHOT) button:**

1. Navigation through menu
2. Shutter in photo mode
3. Record & Stop in video mode

**Press**



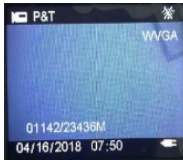
**Photo mode**



**Hit once get an instant photo**



**Video mode**



**Hit once → Start to record**

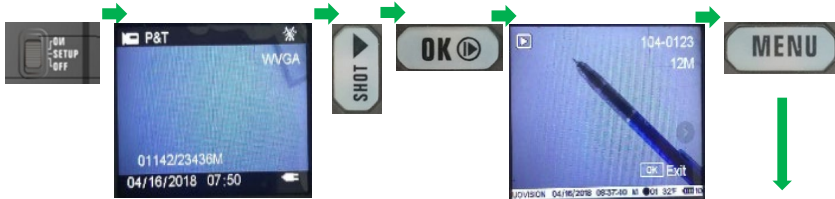


**Hit again → Stop record**



## Quick example: Take a photo and send it

Slide **SETUP**



It will take several seconds to finish sending



## **Common Troubleshooting:**

### **No SD card?**

Camera needs SD card to work. If power supply is ok, try to fill or replace with a good SD card

### **Can't receive WiFi signal?**

Check if the battery status is ok. If it's ok, check camera NET setting (Send Mode= OFF means WiFi will shut down), turn Send Mode to ON, try search WiFi again. If it doesn't work, try to move closer to WiFi router.

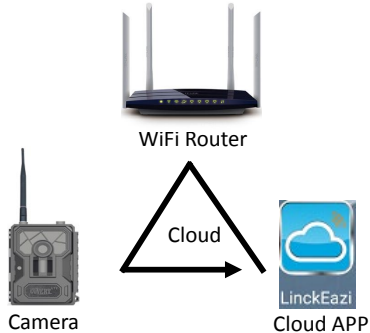
### **Can't send photo or video?**

Check whether your WiFi router is working, remember to register your camera to cloud server

### **Send photo in video mode?**

When the battery is too low to capture video, camera will automatically capture photo rather than video, replace the batteries before it dries

### 3. Device setting methods



Based on the product system connection, any device setting can be **SYNC** to each other, You can set the devices in below methods:

- 1.Set camera directly, which is suitable when it close to your hands
- 2.Set with **LinkEazi APP** or **Cloud web portal** with internet network



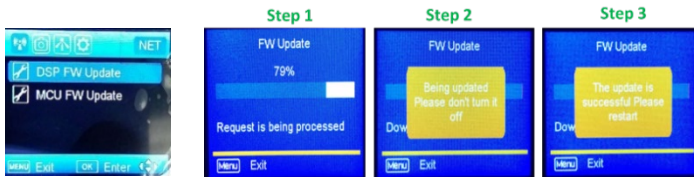
## 4. Camera Setting menu instruction

### ① NET tab

Net Tab		
Send Mode(Control Sending option)	OFF(Offline mode)	NA
	ON(Online mode)	MAX Number(upper limit of daily photo&video, ZERO means no limit )
Test Mode	Display WiFi signal status for mount camera	
Camera name(show camera name)	NA	NA
WiFi connect(search and connect)	(Shows available WiFi list, select one and connect with password input	NA
FW Download(Firmware update)	NO	NA
	YES	NA

## Important: Update Firmware

At the bottom of **NET** tab, select the **DSP** or **MCU**, Push **OK** button to start **FW downloading**, it take about 30 seconds



It will request you to **restart camera or restart itself**: Please follow the instructions, and don't unplug battery or DC power

**We recommend you keep your camera with latest Firmware!**

## ② CAM tab

CAM Tab		
Camera Mode(choose function)	Photo(setting will change accordingly)	NA
	Video(setting will change accordingly)	NA
Custom Setting(Photo mode)	Photo Size	3/5/8/12MP(Million Pexis, decide picture resolution, with higer resolution takes more time to send)
	Flash Power(Infrared LED flash for night vision)	High(More intensive flash with brightness picture effect)
		Low(Low intensive flash with darker brightness picture effect)
	Photo Burst(the number of photo camera will take when triggered once)	1~10photo(the more trigger it has, the more battery consumption will take)
	Shutter Speed(the time of exposure photo)	Normal(default speed)
Fast(faster shutter speed, can catch fast objects without blur picture effect)		

CAM Tab		
Camera Mode(choose function)	Photo(setting will change accordingly)	NA
	Video(setting will change accordingly)	NA
Custom Setting(Video mode)	Video Size	1080P(Send MAX 10s)/720P(Send MAX 15s)/WVGA(Send MAX 20s)
	Video length	5~60seconds(With longer video recording setting, the battery consumption will increase)

### ③ PIR tab

PIR Tab	
Trigger Mode(camera get triggered only at ON mode)	PIR Trigger(camera take photo&video when detect moving object within sight)
	Time Lapse(camera will take photo in periodical way)
PIR Sensitivity()	Both(Use both PIR and Time lapse to trigger camera)
	Low(useful in cold weather, PIR tend to be more sensitive)
	Normal(Default)
	High(useful in warm weather, PIR tend to be more inactive)
PIR interval	5~55second,1~60minute(the minimum time for PIR to trigger next time)
Time Lapse	3~55minute,1~24hour(the time pace for periodical photo taking situation)
Worktime(four sets available)	Set specific period of data&time for camera to work, turn it off will always stay working mode

## Time Frame Setting further explanation

Select **Work Time**, press **OK**, select "ON". Set a start-stop time for the activity of the camera.



Notice: If you wish the camera to be active permanently, select the time frame menu and switch it "OFF".

Notice:

1. Work hour: 00:00-00:00 means 24 hours.
2. Start: 20:00 Stop: 10:00 means 00:00-10:00 am and 20:00-24:00 of the chosen day.

## ④ System tab

SYS tab	
Set Clock	Set date formats and time
Password	Set 4 digit password to encrypt your camera
Rename	Rename camera, reveal at photo stamp
Overwrite	Keep on overwrite new data at full SD card
Upload Settings	Upload current settings to portal
Download Settings	Sync with settings stored in portal
SD card formatting	Delete all data in SD card
Default	Recover to factory settings
Software Version	Current Firmware version information

## 5.Cloud server instruction

Before you start to use **LinkEazi APP** or **Web portal** Make sure:

1. the camera and host device are WiFi connected
2. all your device registered to cloud server
3. available SIM card and data plan for transmitting data

It will ask for storage and network permission for this APP, please click yes

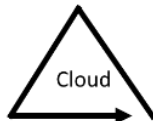
Search 'LinkEazi' in Google Play app store, or Apple app store



Camera



WiFi Router



Cloud APP



## Cloud web portal

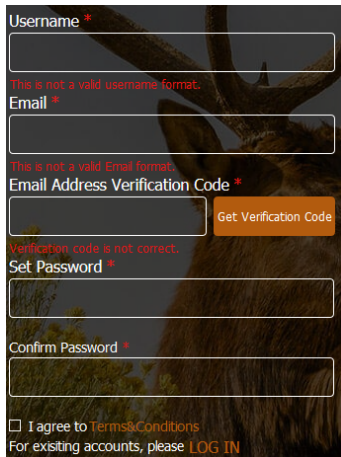
Visit our cloud sever web portal at:

<http://www.linckeazi.com>

You have to fill a username that not exit in current username library, and register with an email that hasn't register before

It's recommended to set password with the combination of letter, number, symbols

After sign up, you can login with your account immediately



The screenshot shows a registration form with the following fields and messages:

- Username \***: A text input field with the error message "This is not a valid username format."
- Email \***: A text input field with the error message "This is not a valid Email format."
- Email Address Verification Code \***: A text input field with an orange button labeled "Get Verification Code" to its right. Below the field is the error message "Verification code is not correct."
- Set Password \***: A text input field.
- Confirm Password \***: A text input field.
- At the bottom, there is a checkbox labeled "I agree to Terms&Conditions" and a link "LOG IN" for existing accounts.

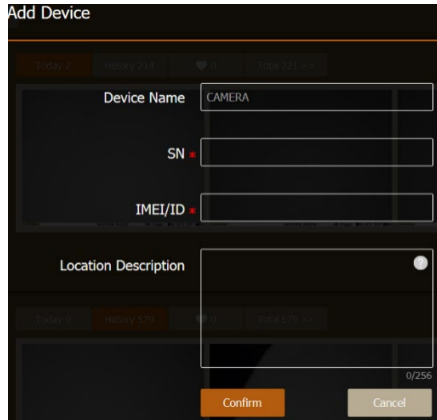
## Cloud web portal add a device

Login and at 'PERSONAL PAGE', you will find 'Add Device' button at up left of page, click it and will prompt a form as below

The SN and IMEI/ID labelled at package of product, fill them accordingly

Name your device in case you have more than one camera or host device

Add location description help to remember where is your device

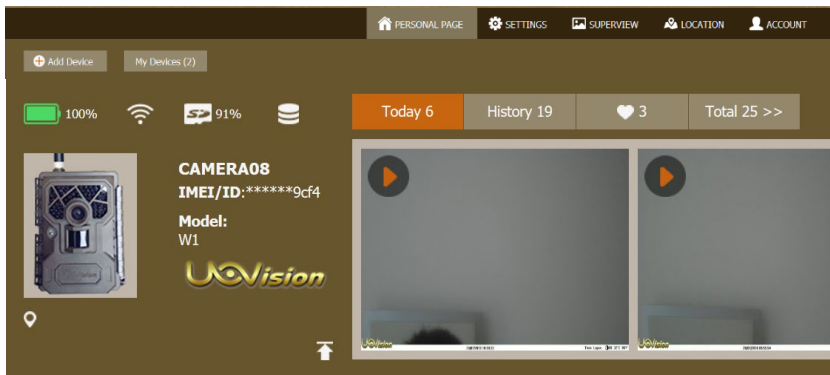


The screenshot shows a form titled "Add Device" with the following fields:

- Device Name:** Input field containing "CAMERA".
- SN:** Input field with a red asterisk, currently empty.
- IMEI/ID:** Input field with a red asterisk, currently empty.
- Location Description:** Large text area with a character count of "0/256" at the bottom right.

At the bottom of the form are two buttons: "Confirm" (orange) and "Cancel" (grey).

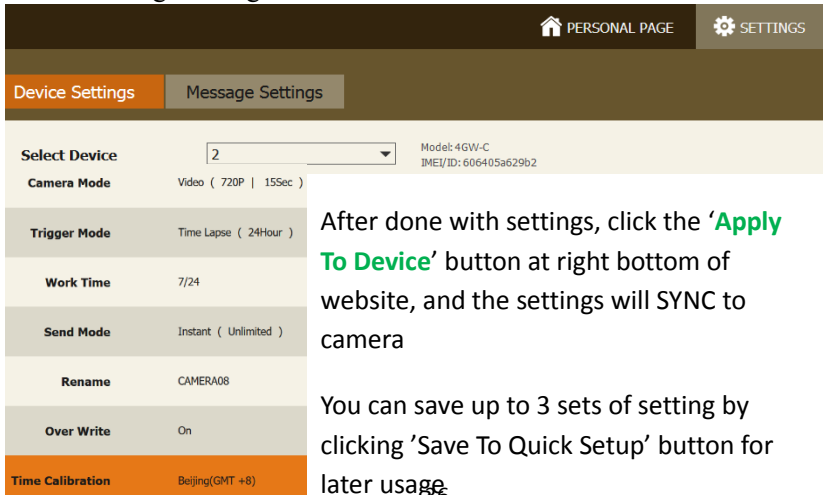
After added a device, there will be a status bar, if the devices are connected to network



Change battery or check your WiFi network accordingly when the status bar shows low battery or no signal

## Setting device with web portal

Click the **device setting** button at **SETTINGS** tab, select the device you want to change setting



The screenshot shows a web portal interface for device settings. At the top right, there are two tabs: 'PERSONAL PAGE' with a home icon and 'SETTINGS' with a gear icon. Below these, there are two sub-tabs: 'Device Settings' (highlighted in orange) and 'Message Settings'. The main content area is a list of settings for a selected device (ID: 2). The settings include Camera Mode (Video, 720P, 15Sec), Trigger Mode (Time Lapse, 24Hour), Work Time (7/24), Send Mode (Instant, Unlimited), Rename (CAMERA08), Over Write (On), and Time Calibration (Beijing, GMT +8). To the right of the settings list, there is a text box containing the device model (4GW-C) and IMEI/ID (606405a629b2).

Setting	Value
Select Device	2
Camera Mode	Video ( 720P   15Sec )
Trigger Mode	Time Lapse ( 24Hour )
Work Time	7/24
Send Mode	Instant ( Unlimited )
Rename	CAMERA08
Over Write	On
Time Calibration	Beijing(GMT +8)

Model: 4GW-C  
IMEI/ID: 606405a629b2

After done with settings, click the **'Apply To Device'** button at right bottom of website, and the settings will SYNC to camera

You can save up to 3 sets of setting by clicking 'Save To Quick Setup' button for later usage

## Important: Add Phone number for host device

Cloud server must have the phone number of host device to send commands, follow the below steps, don't forget to click **Apply to Device**

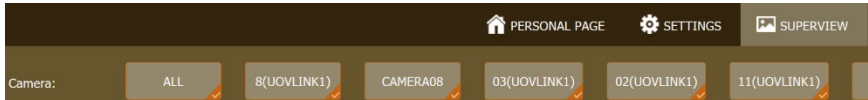
The screenshot shows a web interface for device settings. At the top, there are navigation links for 'PERSONAL PAGE' and 'SETTINGS'. Below this, there are two tabs: 'Device Settings' (active) and 'Message Settings'. The main content area is divided into sections:

- Select Device:** A dropdown menu is set to 'UOVLINK1'. To the right, the device model is '4GW-H' and the IMEI is '861107032294267'. A green text label 'Select Host device' with a hand icon pointing to the dropdown is labeled '1'.
- Remote Control:** A 'Realtime' toggle is present. Below it, the 'Phone Number of This Device' is shown as 'China +86' followed by a text input field containing '15675180448'. A green text label 'Select country' with a hand icon pointing to the country dropdown is labeled '2'. Another green text label 'Fill phone number' with a hand icon pointing to the phone number input field is labeled '3'.
- Router Rename:** A text input field contains 'UOVLINK1' with a clear button (X). Below it, a note says 'Allows up to 8 letters and/or numbers.'.
- Time Calibration:** A 'Time Zone' dropdown is set to 'Beijing(GMT +8)'. There is also a 'Summer Time' checkbox which is currently unchecked.

At the bottom right, there is a grey button labeled 'Apply To Device' with a hand icon pointing to it, labeled '4'.

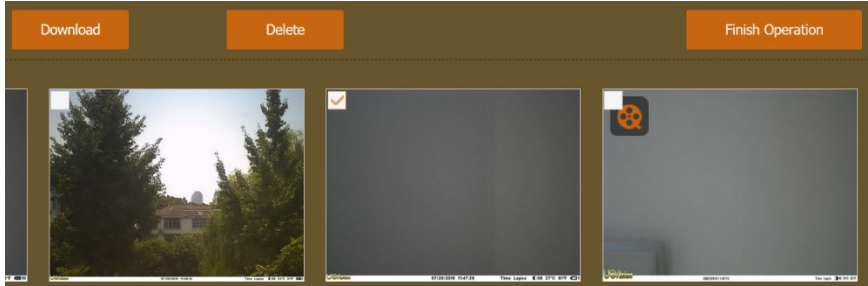
# Photo&Video management with web

At 'SUPERVIEW' tab, you can browse and manage all the photo&video



Select the specific camera you want to check

Click 'Batch operation' button, you can select multiple photo&video to delete or download to your computer

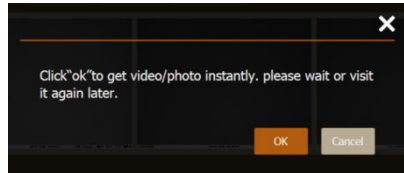


## Quick operation buttons

At column of each device, there three quick operation buttons (from left to right): **setting**, **location** and take an **instant picture**



Clicked the **instant picture** button, it will prompt a confirm window, click **OK**, camera will take an instant photo and send it to web portal








Move the mice to the bottom of photo or video, the below tab will show up, which contains (from left to right): **Request original photo&video**, **like**, **share**, **download**, **tag**, **delete**



# Account management

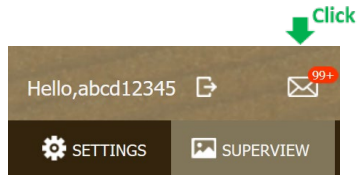
At 'ACCOUNT' tab, you can manage overall account options

 PERSONAL PAGE  SETTINGS  SUPERVIEW  LOCATION  ACCOUNT	
Personal Information	You can fill your personal information at first tab, it will show the latest login time
Account Safety	With 'Account Safety' button, you can change the password of cloud account
Guest Account	'Guest Account' can be shared with your friends or colleagues. You can set valid date, specific device for sharing
My Device	'My Device' tab reveals the status of your register devices. You can delete device some of it for adding to another clout account
Customized Settings	



## Notification settings

The moment camera sends a photo or a video, it will prompt a notification at the **email icon**

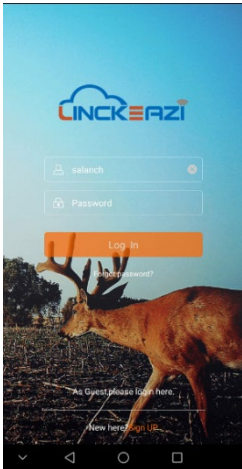


Click the '**Email Icon**' to enter notification setting tab

Set Message	'Set message' shows the setting SYNC history
New Picture <sup>89</sup>	'New picture' shows the camera's capture history
Customer Reply	'Customer reply' shows the answer of your feedback from our tech support
System Notification	'System notification' shows battery consumption status

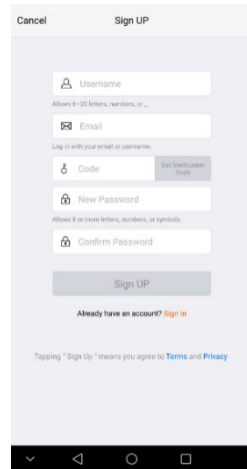
## 6.Cloud APP instruction

**LinkEazi APP** has all the functions that cloud server web portal has, which is convenient to use with a phone. Click APP and create an account as **below instruction**

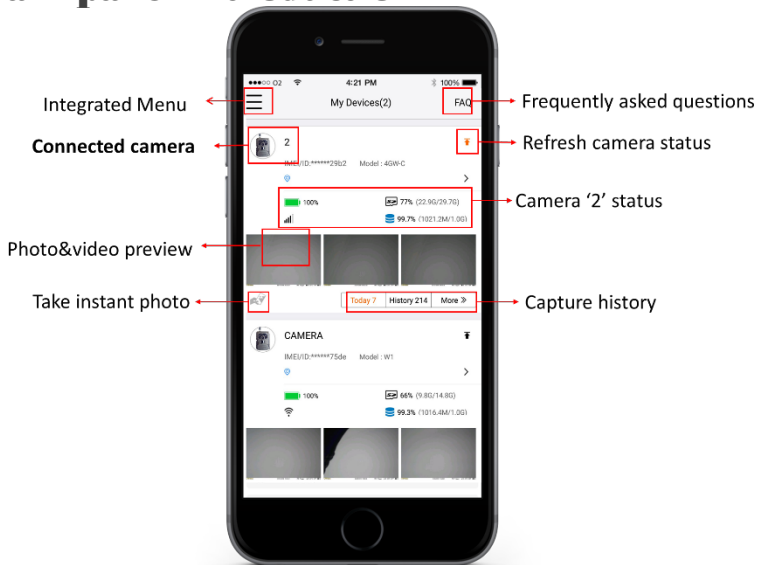


1. Fill the blanks
2. Get verification code from email
3. Paste the code
4. Set password and done

42

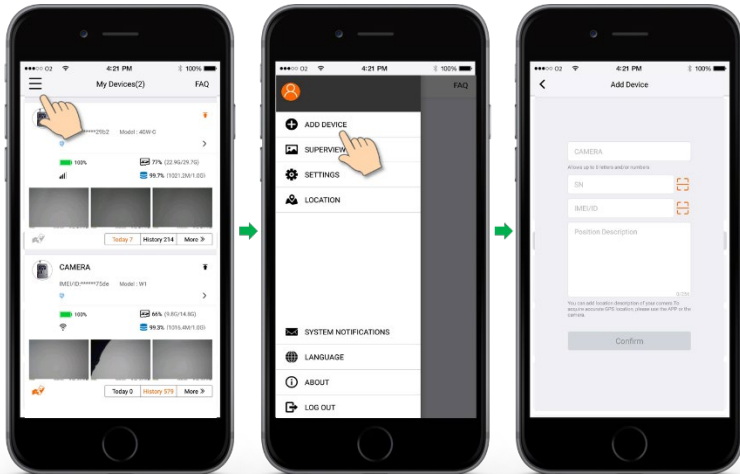


# Main panel introduction



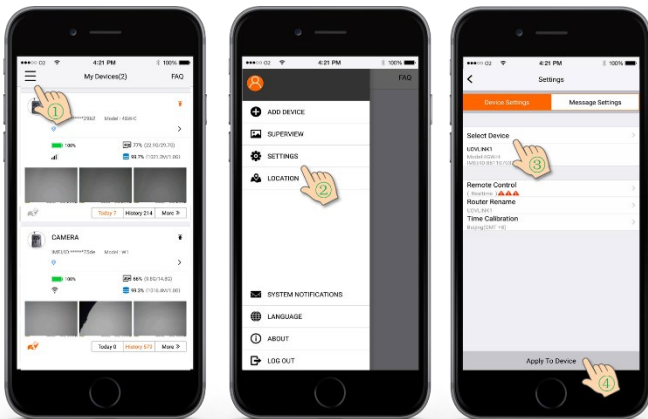
## Linkeazi APP add a device

Click left-top to enter integrated menu, click **add device**, and fill the blanks accordingly(SN/IMEI labelled at product package )



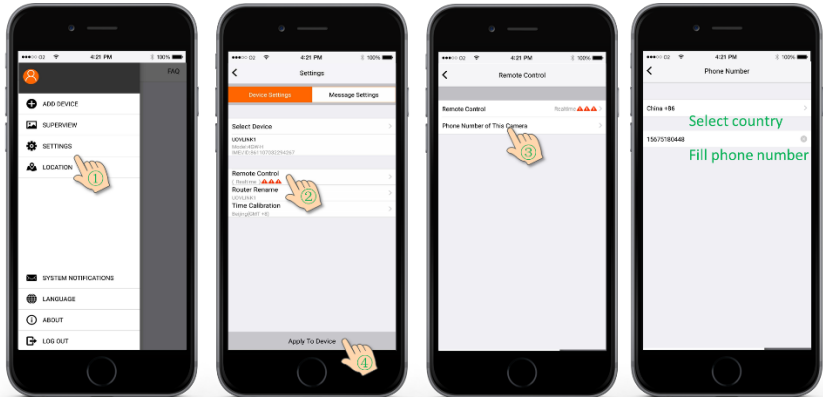
## Setting device

Follow the below steps, you can find the setting page, Linkeazi has all the setting options as web-portal, when you done with changing setting, please remember to click **apply to device**



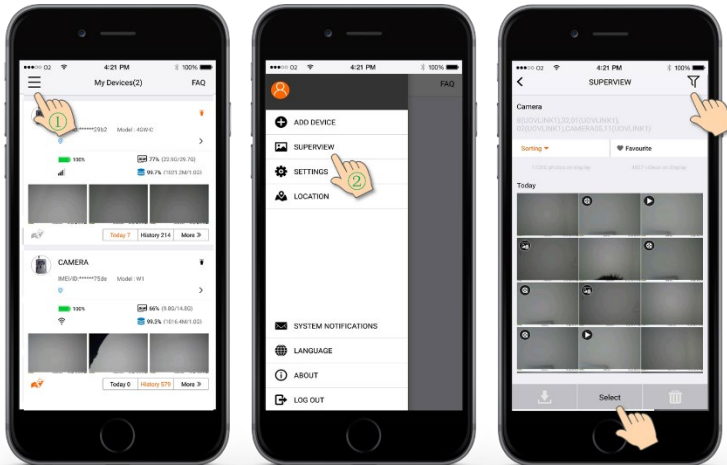
## Important: Add Phone number for host device

Cloud server must have the phone number of host device to send commands, follow the below steps, don't forget to click **Apply to Device** after adding phone number



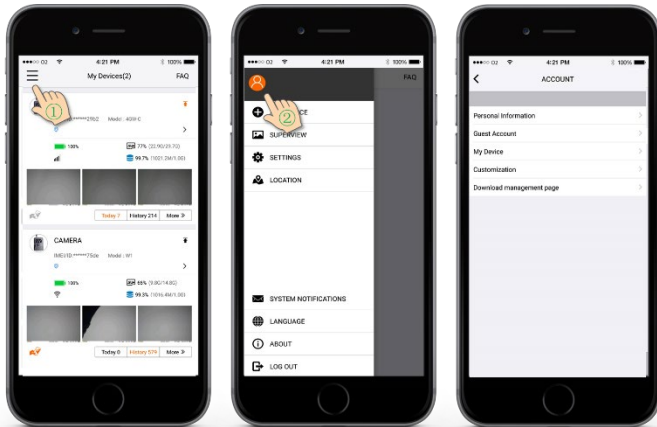
# Photo&Video management

Navigate to **superview page** to browse and manage all your photo&video, there're **filter** button at right-top and **batch operation** at bottom



# Account management

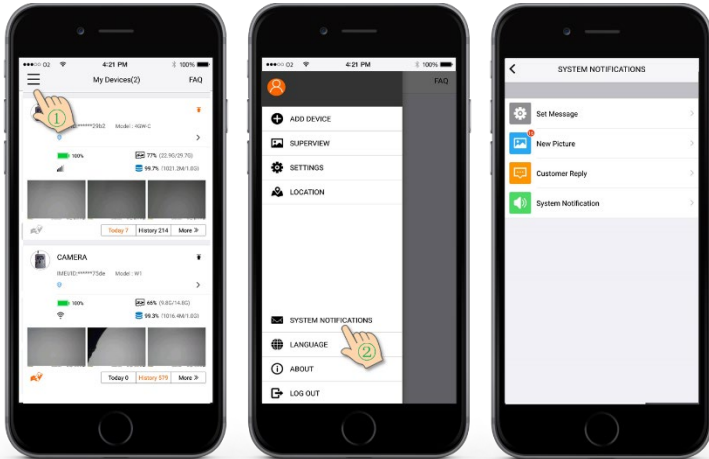
Navigate to **account** page to manage all your account information settings, you can create **guest account** for sharing, and **delete device** at this page





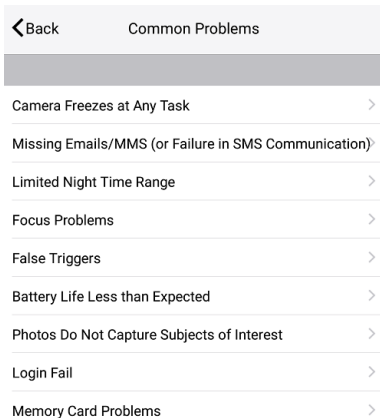
# Notification settings

Navigate to **notification settings** page, it will prompt a number at APP icon by default, you can set it as your preference

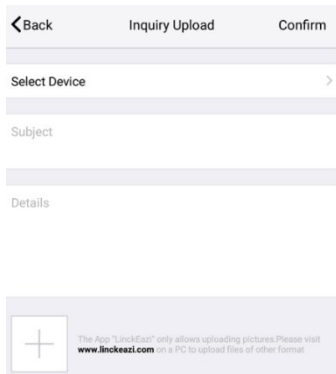


## FAQ and Feedback

Click menu **FAQ**, you can take tips from ‘**Common problem**’ tab, and browse your history feedback with ‘**My inquiry**’ tab



Describe your problem, our tech support service will reply promptly



## Appendix

Error Code	Meaning	Suggestions
2	Invalid PIR trigger	Reboot camera, if doesn't work, please contact after-sale service
3	DSP boot timeout	
4	Chase trigger DSP boot timeout	
5	Time-lapse trigger DSP boot timeout	
6	PIR trigger DSP boot timeout	
7	WIFI trigger DSP boot timeout	
10	Fail to send data	
11	Data send timeout	
13	Fail to format SD card	
14	Format SD card timeout	
16	Low battery in no-flash mode	Change battery
17	Low battery in flash mode	
18	Unknown fail	

21	Failed to initialize app variables	Check your network, then reboot camera, if doesn't work, please contact after-sale service
22	Failed to configure the device in its default state	
23	Failed to start the device	
24	Failed to get wifi mac address	
25	Failed to get software version	
26	Failed to connect the wifi or password error	
27	Failed to establishing connection with tcp server	
41	No camera MAC	
42	Camera not registered	Please register your camera to Cloud-server before use it
43	System error	Reboot camera
44	Camera off	
45	Cloud storage is full	Clean your cloud storage or purchase more space

46	Please register camera	Please register your camera to Cloud-server before use it
47	No thumbnail info	Check your network, then reboot camera, if doesn't work, please contact after-sale service
48	No parameters	
77	Upload parameter registration failed	
78	Download parameter registration failed	
79	Download firmware registration failed	
81	Manually uploading thumbnail registration failed	

## **Legal Disclaim**

Any property loss or physical injury caused by inappropriate usage of device will be responsible for the user.

The product is not suitable for customer under 13-year-old, any harm caused by selling this product to under age user will be responsible for the seller

You will take responsibility to obey your local legal restriction, and take consequences when you violate local law, and our company might have to cooperate with local legal system when any illegal event happened

You will be fully responsible for protecting your device or account from stolen, our company will be responsible for the account information leakage which solely caused by technical malfunctions

You will have to register your cloud server account with an Email address, our company will not send spam commercial email or leak it to third company, and will offer technical protection of the location information of your device

## Declaration of Conformity to Directive 2014/53/EU

CE Caution: Hereby, the manufacturer declares that this camera is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. Pls ask for your distributor for a copy of the Declaration of Conformity to Directive 2014/53/EU.





## **WARRANTY**

The camera manufacturer provides 24 months of warranty service for this product against manufacturing defects or malfunctions. If your camera fails to function under normal use within 2 years, the camera manufacturer will repair or replace the camera at no charge. The purchase receipt must be included from an authorized retailer to validate the warranty. Improper use of the camera resulting in damage is not covered by this warranty.

The camera manufacturer can provide repair service, after the warranty expiration. The customer will be responsible for any charges on parts, labor and shipping costs. Please contact the manufacturer for more details.

Please contact the area dealer for more details.

Customer Name:	
Contact Tel:	
Date of Purchase:	
Series No:	
Fault Description:	
Retailer:	