LinkEye Slave Camera

Model: UMQ2

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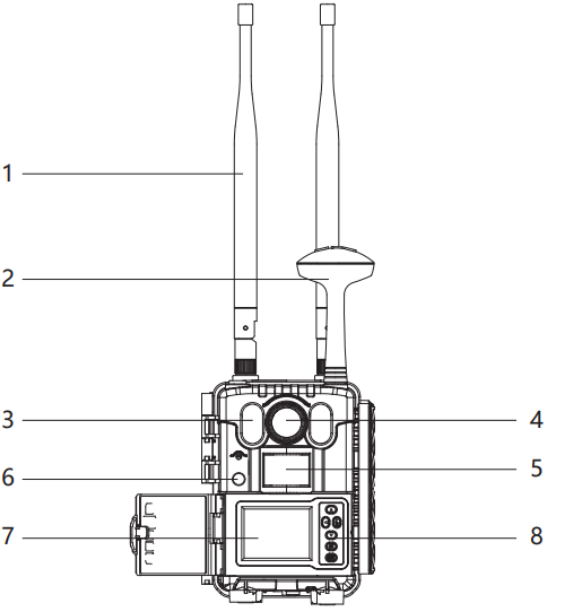
1 About LinkEye Slave Camera

1.1 Introduction

- Built-in RF module, multi-bands Selectable
- Transmission speed up to 30Mbps
- Capable of uploading original files, videos, and thumbnails
- Support frequency hopping, avoid the same frequency interference
- GPS automatic positioning and timing *
- 3K (2560*1920) video with audio, max to 32MP picture
- 2.0" HD screen, easy to view the monitoring area when installing
- 0.2s Video trigger speed
- Intelligent image, automatically adjust the lightness according the distance of the objects.
- Easier battery replacement
- Compatible with 8AA and 7.5Ah@12V battery pack, solar charging
- Photo, video, photo + video

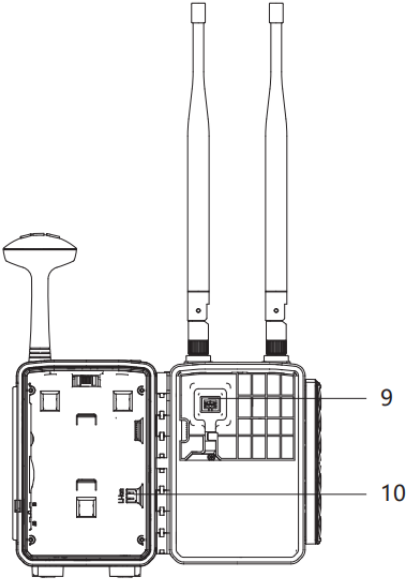
- IP68, super durability
- Lens F=1.6, FOV=65 degrees
- Ultra-low power consumption, 100ua-200ua standby current.
- 4 high-efficiency IR lights, 940nm/850nm/white light LED optional
- PIR sensitivity: high, normal, low
- 512GB SD compatible
- HQ audio recording, -38dB sensitivity MIC
- Rich photo information display, including the date, time, temperature, moon phase, device name, latitude and longitude etc.
- Compact size: 135*108*96mm
- Operating temperature -40° c to +80° c

1.2 Camera Overview

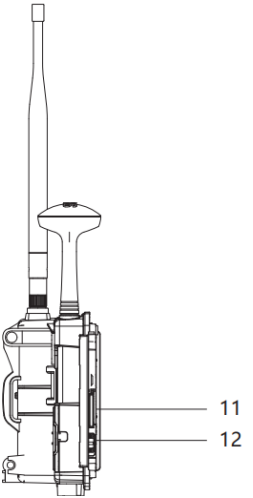


1：Antenna
2：GPS antenna
3：IR Flash
4：Camera Lens

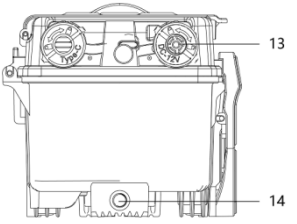
5：PIR sensor
6：Light sensor
7：Display
8：key board



9：Power Interface for module
10：Power interface for main board

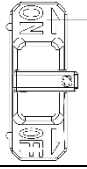


11：SD-card Slot　　12：Power Switch



13：DC input　　14：Bottom Screw

1.3 Camera Button instruction

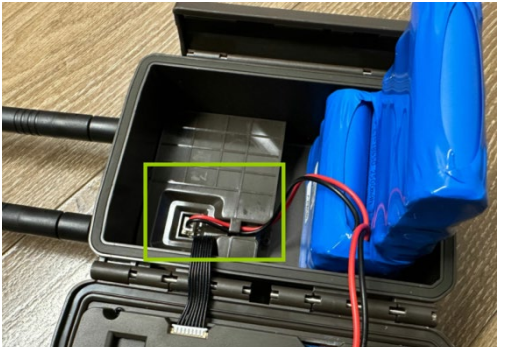
Button	Function description
	OFF：Power off. ON：Setting the camera; If the setting is completed, please click **LEFT** button to **enter the working mode**.
MENU	**Entry** and **Exit** of main menu; Also used as an **Exit** in deeper menu structure, often used with **OK button**
▲	1.Quick switch between **photo mode** and **video mode**; **2.**Navigation through menu options;
▼	1.Quick switch between **photo mode** and **video mode**; **2.**Navigation through menu options;
◀	1.Navigation through menu options; 2.Enter the working mode quickly.
▶（SHOT）	1.Navigation through menu; 2.Manually take a photo or a video clip in preview mode.
OK	1.Entry and Exit of **playback**; 2.**confirm** an operation; 3.**Enter** a tab;

2 Quick start guide

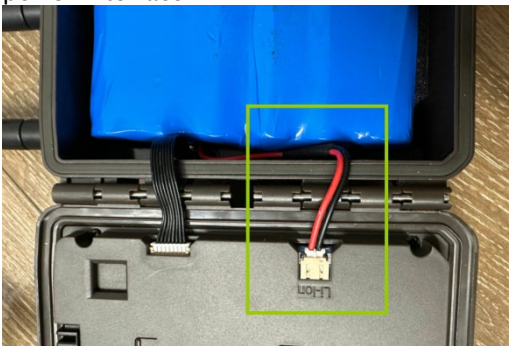
2.1 Installing the batteries

Step1: Put the battery pack in the back housing.

Step2: Insert the power port into the module's power interface. Then press the wire into the take-up slot.



Step3: Insert the other power port into the main board's power interface.



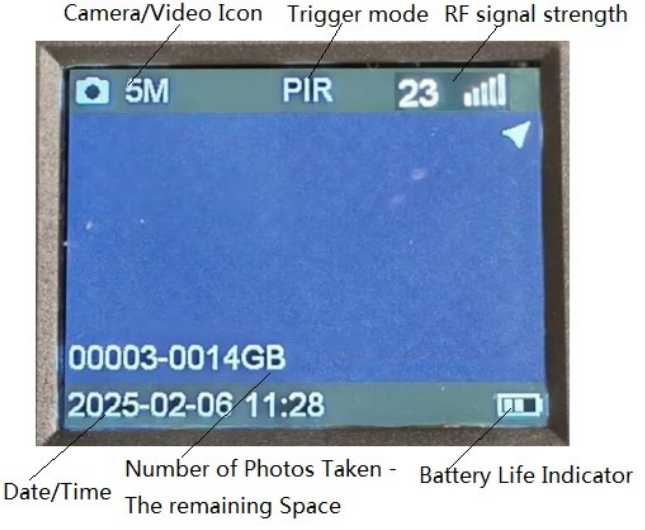
2.2 Installing the SD card

Insert the SD card as below direction.

Support max to 512GB SD card.

⚠Note: If the SD card is more than 32GB, please enter MENU->SYS->Format SD to format the SD card before use. Otherwise, the data stored in SD card will not be correct.

3 Setting Map



3.1 Settings

NET	
RF	**On**/Off

Sending Time	**Instant**/0:00,1:00,…23:00
Setting Sync	Upload/ Download
FW Update	No/Yes
Remote Control	Delay 0.5H/1H/2H/3H/4H/6H/12H/24H
Camera IP	Enter
Station IP	Enter
Station pswd	**Off**/On

Sending Time: The default sending time is Instant. For power saving, camera can send the photos or videos at a preset time. Currently, the cameras will send max 96pcs photos or videos per day at a preset time. Other photos or videos will be sent at a preset time the next day.

Camera IP: The slave cameras need to be set with a correct IP. The Camera IP should have the same gateway as the Station IP. For example, if the IP of base station is 192.168.001.210, then the camera IP should be 192.168.001.xxx. The camera will restart automatically after the new IP is set. Please note one slave camera has one unique IP.

Station IP: The slave camera will automatically search the base station IP. If there are more than one base station, the camera will connect to the best signal base station automatically. If you want to fix the slave camera to the specific base station, it's possible. You can request the base station password before you purchase our system. You can set the 4 digital station password in your slave camera, then the slave camera will only connect to the base station which has the correct password.

CAM	
Camera Mode	Photo/Video/**Photo+Video**
Photo	
Photo Size	**5MP**/8MP/16MP/24MP/32MP
Photo Burst	1-10(Default:**3**)
Send Option	**Single/**Multiple(only the first 3 photos)
Send Type	Thumbnail/**Small Video**/Original Video

Flash Power	Low/**High**
Video	
Video Size	720,1080,**3K**
Video length	5-60s(Default:**10s)**
Send Type	Thumbnail/**Small Video**/Original Video
Flash Power	Low/**High**
Photo+Video	
Photo Size	**5MP**/8MP/16MP/24MP/32MP
Photo Burst	1-**3**
Video size	720,1080,**3K**
Video length	5-60s(Default:**10s)**
Send Option	**Single**/Multiple
Send Type	Thumbnail/**Small Video**/Original Video
Flash Power	Low/**High**

Photo Burst：It's the number of pictures that to be taken of each triggering. If photo burst is 3, it means the camera will take 3 pictures after one triggering.

Send Option: You can choose which one of the

pictures that to be sent via **Send Option**.

PIR	
Trigger Mode	**PIR**/Time Lapse/Both
PIR Sensitivity	**Normal**/High/Low
PIR Interval	**0s**-60m
Time lapse	5s~24 hours
Work Time 1~4	**Off**/On

PIR Interval： It means the time interval that the PIR sensor allowed to work. This prevents the card from filling up with too many redundant images.

Time Lapse： When choosing time lapse, camera takes photos or videos even when it is not triggered by a nearby live animal. It's useful for constant monitoring of an area.

Work Time： The camera can work at a preset time and preset days. In the rest of the time the camera is not

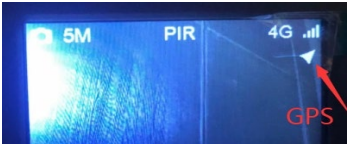
work. Work hour: 00:00-00:00 means 24 hours. If the settings is cross the day, for example: Start: 20:00 Stop: 10:00 means 00:00-10:00 AMand 20:00-24:00of the chosen day.

SYS	
Set Clock	Enter
Rename	**Off**/On
Password	**Off**/On
Over Write	Off/**On**
GPS	Off/**On**
Format SD	Enter
Diagnose	Enter
FW Version	Enter
RF Info	Enter
Language	**English**/Suomi/Deutsch/Norwegian/Svenska ((Reserved))
Default	Enter

Password： Make sure you write down your password

or save it to your mobile phone so you can access your camera if you ever forget your password.

GPS: In working mode, the camera searches the GPS every 24hours. It's recommended to search the GPS manually before use. After set GPS=On, please restart the camera and wait until below solid triangle appears in the display. It usually takes minutes for searching GPS. Please make sure the location is an open area free from obstructed construction or electronic interference which has a good GPS signal.



Diagnose: If the camera can't work properly, please choose Diagnose. The camera will generate a log file folder in your SD card. Please send all the files in log

folder to FAQ for help.

3.2 Connecting CAM to cloud server

In order to send photos to the APP, you need to add your camera to your cloud account before use.

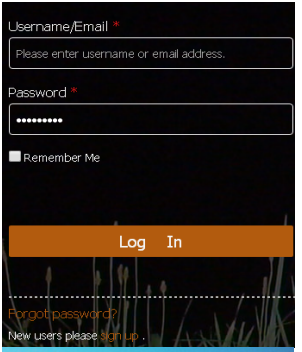
Open website: https://www.linckeazi.com. Or Linckeazi APP.

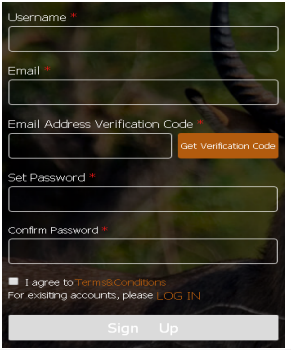
Please scan the below QR code to install the APP.

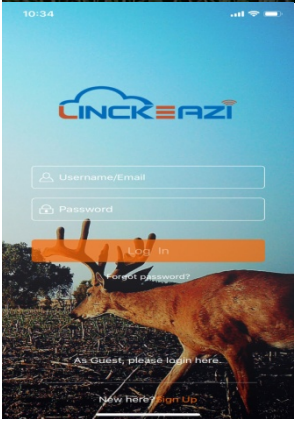
Android APP IOS APP

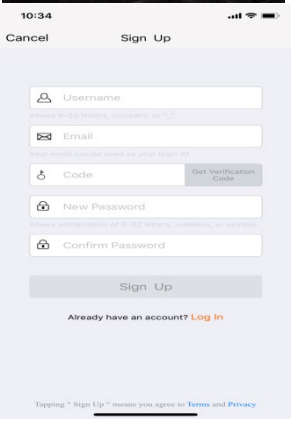
Login your account:

Login if you already have an account, or simply register one with your email account.


Username/Email *
Please enter username or email address.
Password *
Remember Me
Log In
Forgot password?
New users please Sign up .


Username *
Email *
Email Address Verification Code *
Get Verification Code
Set Password *
Confirm Password *
I agree to Terms&Conditions
For existing accounts, please LOG IN
Sign Up

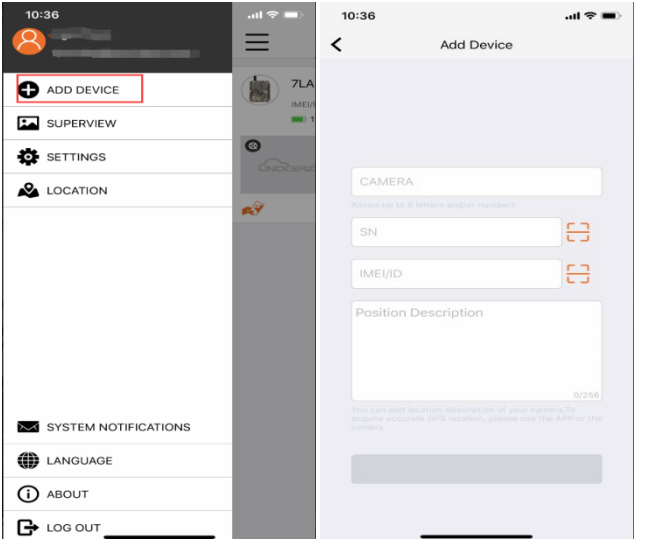

10:34
Username/Email
Password
Log In
Forgot password?
As Guest, please login here.
New here? Sign Up


10:34
Cancel
Sign Up
Username
Email
Code
Get Verification Code
New Password
Confirm Password
Sign Up
Already have an account? Log In

Add Device:

Please note: The camera needs to be added in your cloud account before use.

Name your camera; input the SN and IMEI/ID of your camera. Add location description if necessary. **The SN and IMEI/ID are labeled inside the camera.**

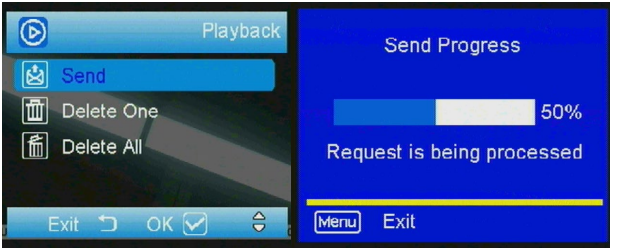


3.3 Manually send a test photo

After the camera IP is set, the camera will restart automatically. Wait for about 30s, the camera will get the signal from the base station. Please check the battery level, the SD card available storage and the signal strength.

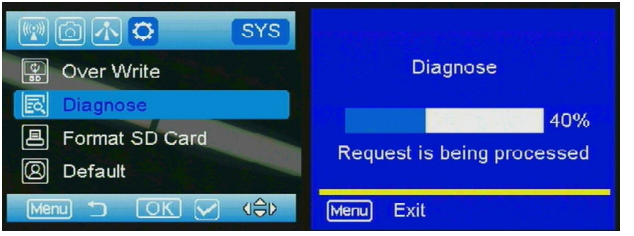
If it shows “NO SRV” in the display screen, please check if the camera IP is in the same gateway as the base station’s IP. Also please check if the Station password has been correctly set.

Press ► button to take a picture, then press **OK** button to check this picture. Press **MENU** button, then choose **send**. You will see sending progress shows on the LCD screen.



Once you see send successful, check your email account or phone to see if you receive the correct photo.

If the sending is failure, choose **Diagnose** to generate a Log file and the FAQ will help you with your Log file.



3.4 Entering Work Mode

Back to the main display, press LEFT button(◄) to quickly enter into Work Mode.

Before entering Work Mode, please make sure the external power seal is tight.

4 Auxiliary power

Your camera comes with an Auxiliary power jack. If you want to hook up an external 12V(2A) battery to power the camera, you can. The jack necessary to make the connection is a standard 4mm jack.

This camera also supports charging the Lithium battery pack with 12V solar panel.

5 Mount tips

For best results, mount the camera approximately 1-1.5 meter off the ground and 3-15 meters far away from target objects. To enhance the flash, we

recommend positioning the camera in an area with a backdrop to reflect the maximum amount of light.

Note:

a. The sun should not be shining directly on the face of the camera.
b. Reflect with trees or other things to add more light to your target.
c. Avoid placing the camera where the air flow is surging or too much vegetation. False triggers most occur on sunny, breezy days. When the wind moves the vegetation, the camera detects this and cannot distinguish it from a warm-blooded animal moving through the scene.

Appendix Ⅰ: Technical Specifications

Picture Resolution5MP(Real Sensor)/8MP/16MP/24MP/32MP
Lens F/NO=1.85 (Field of View)=64°
Frequency Bands:
2.4GHz（For LinkEye Private Network Camera System 2.4GHz）
Flash Power Full, Low
Display Screen 2" HD LCD
Memory Card Up to 512GB
Video Resolution
3K,1080P, 720P,
PIR Sensor Multi Zone
PIR Sensitivity Adjustable(High/Normal/Low)
Video Trigger Time <0.6S
Operation/Storage Tem. -20 - +60°C / -30 - +70°C
Trigger Interval 5s – 60 min.
Time lapse: 5sec-24hours

Photo Burst 1–10
Video Length 5s–60s
Power Supply 7.5Ah@12VLithium battery pack; DC9-14Vexternal power.
Stand-by Current < 0.15 mA (<6mAh/Day)
Low Battery Alert LED Indicator, Cloud Platform
Mounting Rope/Belt/Python lock
Dimensions 135mmX108mmX102mm
Operation Humidity 5% - 90%
Security authentication FCC,CE, RoHS

Appendix Ⅱ: Parts List

Part Name	**Quantity**
Digital Camera	One
Antenna	Two
GPS antenna	One
Belt	One
User Manual	One

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. Please ask for your distributor for a copy of the Declaration of Conformity to Directive 2014/53/EU.