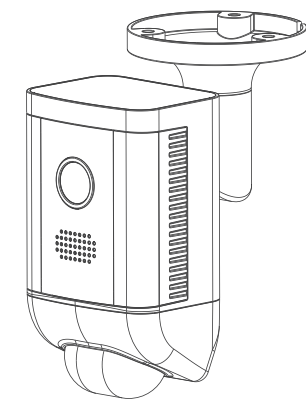


freecam®
L860 SPOT LIGHT CAMERA
 User Manual V1.0

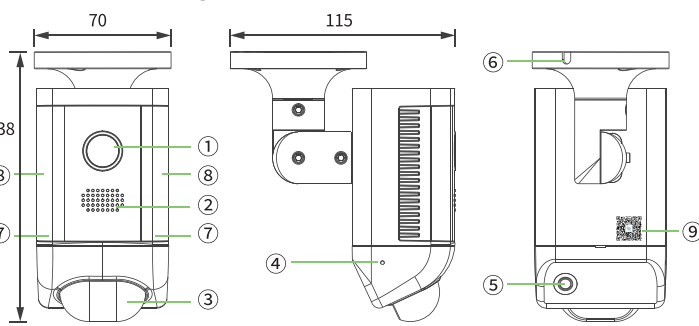


Shenzhen Leshi Video Technology Co., Ltd.
 www.freecamglobal.com

This user manual contains information about spot light camera. The spot light camera is the combination to deter lighting, sound-light alarm and video surveillance for deterrent and drive away the intruders. Its built-in AI algorithm and multiple intelligent detection functions solve common issues of false alarms in traditional security products for safer and more reliable security surveillance.

- For lighting control, you can personalize PIR sensitivity and detection area of moving object.
- For camera video recording and alarm, you can also set up the motion detection (MD) sensitivity and motion zones through the APP.
- When “ Suspicious intrusion detection ”is turned on, most of the false alarms can be avoided. Only the approaching suspicious objects can trigger the video recording and pushing alert. (In the traditional security products, false alarms are usually triggered by light changes, tree leave movements, passing cars and other non-human being objects, which are unnecessary and annoying. Spot light cam perfectly solves this problem.
- 2-way speaker for talk and hear in , buzzing and caution light flashing for actively alarm.

1 Appearance Diagram



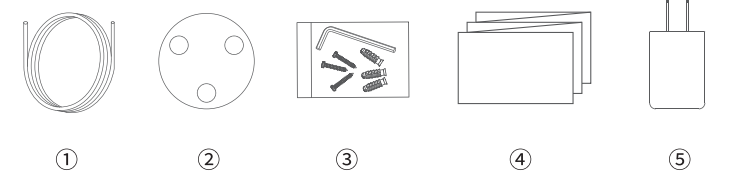
(Dimension:mm)

①	Lens	⑥	Installation Base
②	Speaker	⑦	LED Light
③	PIR Infrared body sensor	⑧	Indicator status light
④	Mic	⑨	QR Code for device adding
⑤	Reset Button		

2 Indicator Light Status

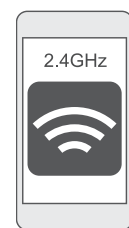
Indicator Light Status	Status statement
Red light solid on	powering on proceeding
Red light blinks	Red light slow blinks (every 1 sec): Waiting for WiFi configuration
Blue light blinks	1. Blue light slow blinks (every 1 sec): Local internet connection proceeding. 2. Blue light quick blinks(every 0.25 sec): Cloud server connection proceeding and waiting for configuration.
Blue light solid on	Server connected successfully
Red and blue light blinks alternately	2 lights blink alternately (every 1 sec): Device upgrading. Please keep connecting with power.

3 SPOT LIGHT CAMERA Accessories and installation instruction



No.	Description	Quantity
①	Power Extension Cord 3 Meters	1
②	Mounting sticker	1
③	Installation screw pag + wrench	1
④	Installation manuals / Quick installation guide	2
⑤	5V/2A power adapter	1

i Please note that the AI spotlight cam requires a stable and sufficient WiFi connection for operation.(only support 2.4GHz WiFi network)



Please choose the location where you would like to position your spotlight camera and check the strength of the WiFi signal using your smartphone.

WiFi Signal	Strong	✓
WiFi Signal	Medium	✓
WiFi Signal	Weak	✗
WiFi Signal	No Signal	✗

The table above indicates whether the WiFi signal is strong enough for use in combination with the spotlight cam.

4 Installation illustration

i Please note that the spotlight camera is 5V input, Please use the power adapter (100V~240V) included in the package.

4.1 Installation notes:

- Make sure the WiFi signal is sufficient for use.
- Height of installation from the ground is suggested around 2 meters/6feet.
- Default PIR setting for lighting on/off automatically is “Middle” (~6 Meters/18 feet)
- Default Motion detection setting is “Middle” (~ 5 Meters/15 feet)
- Prior to installation, please check all the accessories provided.

4.2 Installation instructions:

- Fix the bracket with the screw, tighten the camera after adjusting the camera angle.
- Connect the extension power cord with the power adapter, the indicator light goes solid red for 15 seconds, then starts to blink, it means camera installation is completed and waiting for WiFi confirmation.

5 Download and install the app

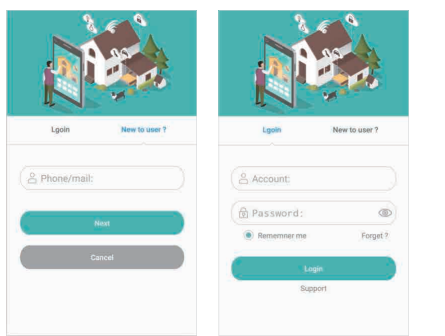
Download and install the app “CAMB” from google play or APP store. or scan the QR code on the right.



Camb

6 Register and Login

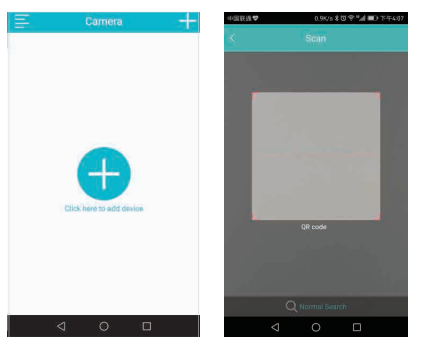
Open the app, click “new user” to register a new account, if you already have an existing account, please click “login”



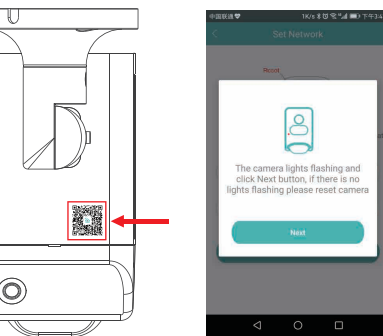
7 Add Device

connect to the power after spotlight camera installation is completed. the indicator light goes solid red for 15 seconds then starts to blink.(If it shows blue light blinking, you need to press the WiFi reset button for 3 seconds and wait for another 15 seconds)

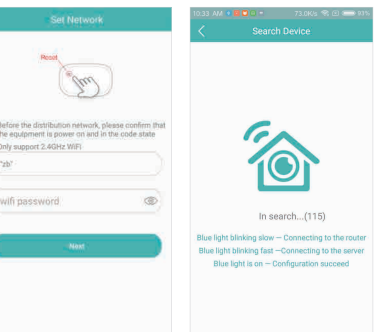
7.1 Open CAMB app, enter the main page, click “+” icon to add the camera.



7.2 Scan the QR code on the back of the camera and add it to the app.

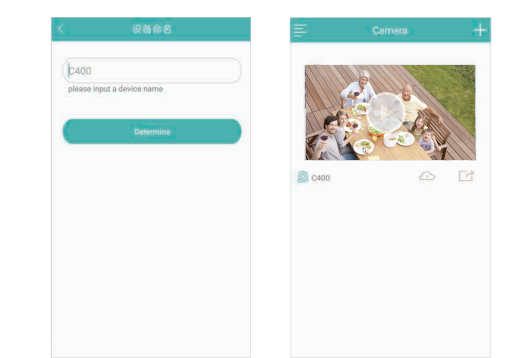


7.3 After scanning QR code, click “next” to enter “network setting” page. Please choose the 2.4 GHz network and enter the WiFi password then click “next” .



The camera blue indicator light blinking, then solid on

After successfully adding, you can rename the camera

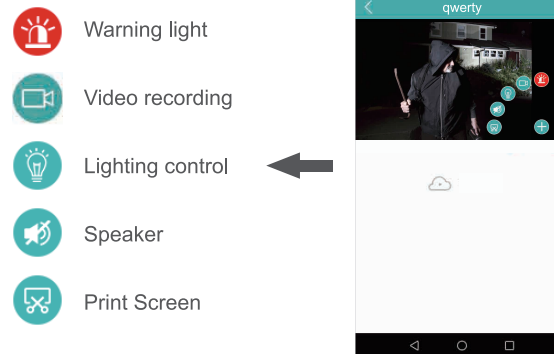


Congratulations! Camera has been successfully connected!

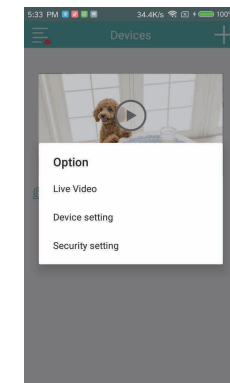
Noted:

- This camera only supports 2.4GHz WiFi network, Please do not choose 5GHz network.
- Do not use non-english letter in WiFi name.
- Do not use a WiFi without password for your privacy.
- Do not support WEP encryption.

8 Lighting control and settings:



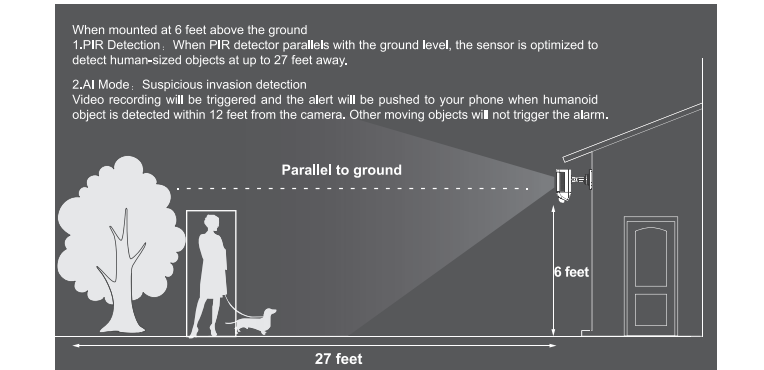
Click "security settings" to enter the secondary menu, including "PIR sensitivity" "PIR sensitivity" "floodlight time setting" .



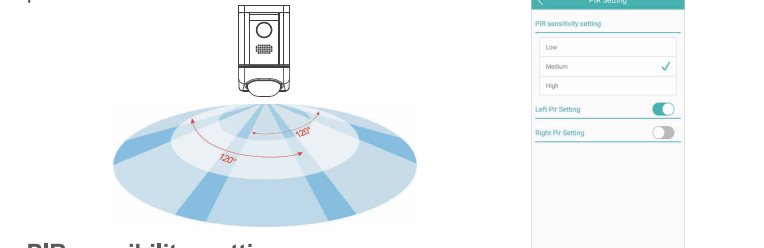
DETAILS OF PIR SENSING AREA SET UP

When installation spot is 2M (6feet)high, the PIR sensitivity modes indicate: "High"— 9M(27feet) "Middle"— 6M(18feet) "Low"—4M(12feet)

(Detection range can be affected by temperature and weather condition)



PIR sensing zone is divided into two 120° sectors: left and right, they can be switched on and off independently. As shown in the following picture.

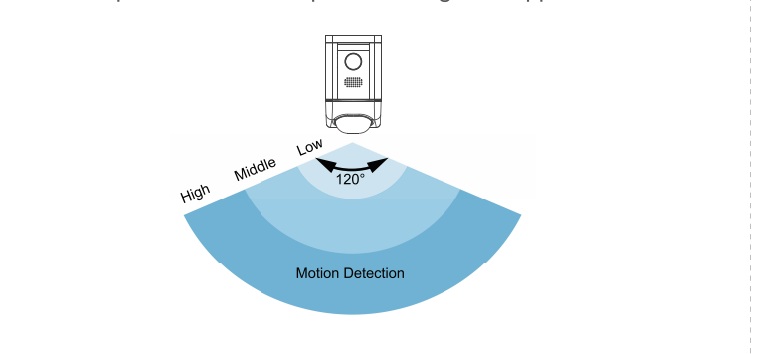


PIR sensibility settings:

The low, middle and high modes are illustrated as sectors with different colors in the picture. The color changes represent changes of the PIR sensing distance. Low sensitivity mode has shorter sensing distance, while high sensitivity mode has longer sensing distance.

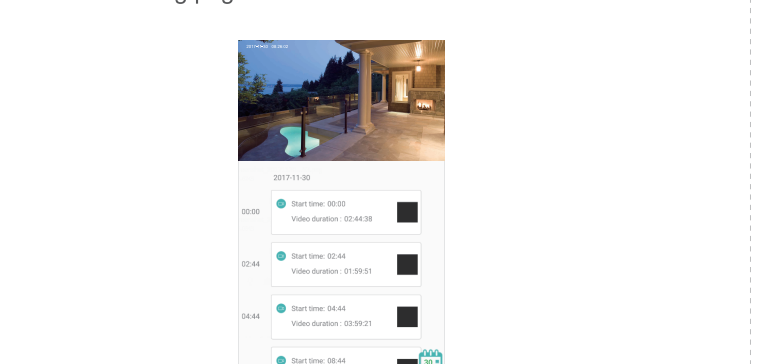
9 CAMERA VIDEO RECORDING AND ALERT PUSHING

A moving object can be detected by the camera either during the day or night with lights turned on, alarm triggered, video recorded, and a notification pushed to the cell phone through the app.

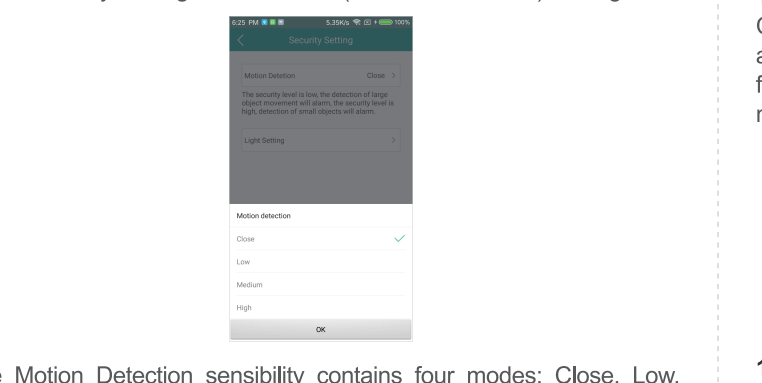


Click alarm messages to enter cloud video recording page for alarm event video review.If you didn't purchase cloud recording, click "SD video" for video review.

Click security setting to enter motion detection setting. Click "☁" on the homepage, you can also enter cloud recording and SD card recording page for alarm event video review.



NOTED: When cloud storage is not available, alarm event can also be recorded by the SD card. Click "security settings" to enter MD(Motion Detection) settings.

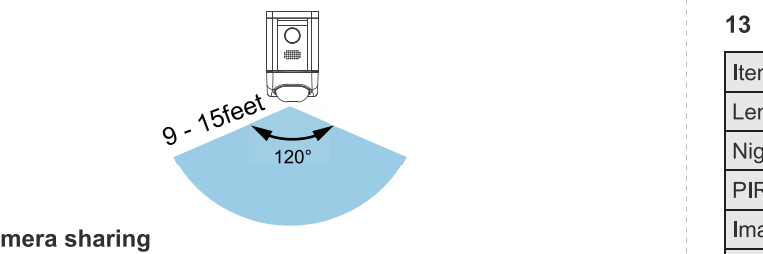


The Motion Detection sensibility contains four modes: Close, Low, Middle and High corresponding to the size of the moving object to be detected. Higher sensibility enables the camera to detect smaller objects and trigger the alarm and video recording at the same time. Click "Motion zones" to select the motion detection area. The detection area is selected by clicking each square on the screen.



Motion Detection can be only triggered within the selected area. The default selection is the entire area.

10 Suspicious intrusion detection
Click "suspicious intrusion detection" the camera only alert to the approaching suspicious objects and push notification. (All kinds of false alarms can be avoided such as light changes, tree leave movements and passing cars)



11 Camera sharing
Click the share icon on the homepage to share the camera videos with friends and family members. The person who receives the camera share only has the permission to view. Camera control is not allowed in this situation.

12 FAQ
• What is the recommended Internet speed for Spot light Cam?
For best streaming performance, we recommend 2 Mbps upload and download speeds.

• How to set up PIR sensitivity and sensing area?
PIR setting only controls lighting, please set it up according to the installation environment. PIR does not trigger camera recording or alarm. When it is dark, please set the PIR sensitivity to "High" mode so that the light can be turned on earlier than the camera, providing lighting for video recording. Camera doesn't have infrared light.

• How to set up camera motion detection and Suspicious intrusion detection?
Camera motion detection (MD) and Suspicious intrusion detection (HD) only control video recording and alarm. MD and HD do not trigger lighting.

	Motion Detection	Suspicious intrusion detection
Advantage	Covers longer range sensing area can be adjusted.	Accurate approaching Suspicious intrusion objects detection, avoid false alarm
Disadvantage	There are chances to trigger false alarms.	Covers shorter range

13 Camera specifications

Items	SPOT LIGHT CAMERA
Lens	127° field of view
Night vision	Color image for day and night
PIR	Angle: 180° Distance: 12-27 feet partitions for set up
Image	1080P
Video	SMART H.264
Audio	Two way audio + alarm
Storage	Cloud storage/ Built in 16G TF card
Motion detection	Detection zones can be set
Smartphone system	Android,iOS
AI	Built-in person recognition detection rang is 9 - 15 feet
Operation voltage	5V
Operation environment and protection	-20-50°C /IP65
Dimension(mm)	(L)115×(W)70×(H)138
Weight	320g
Color temperature	4000K
Total power	≤5W

FCC ID:2AJPAL860
FCC Warning
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device must not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE 1: 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.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device must be installed to provide a separation distance of at least 20 cm from all persons and must not be collocated or operating in conjunction with any other antenna or transmitter.

* Please follow the link: www.freecamglobal.com
for more FAQ(Frequently Asked Questions) solutions
Contact: Mr Dong(Jet Darter Inc)
ADD: 222 Yamato Road Suite 106-130
Boca Raton, FL 33431 US
Phone : 302-229-7880 joeseasky@gmail.com

