



IMILAB EC4 Spotlight Battery Camera Set User Manual



Read this manual carefully before use,
and retain it for future reference.

Getting started

For camera installation



IMILAB EC4



Micro-USB
Charging Cable



Mounting
Bracket

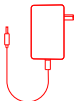


Mounting Screws
and Anchors

For hub installation



IMILAB
Smart Hub



Power Adapter

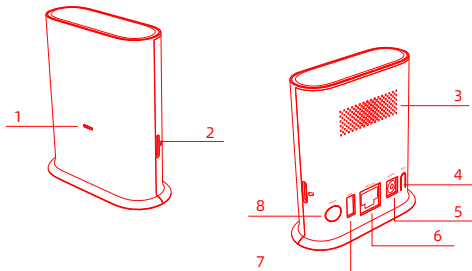


Ethernet Cable

- 1.Camera quantity and accessories vary by bundle package.
- 2.Hub power adapter varies by region.

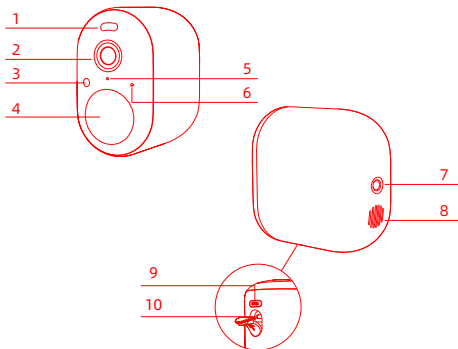
Product overview

Hub



1	Status LED	5	Power Port
2	MicroSD Card Slot	6	Ethernet Port
3	Speaker	7	USB Charging Port
4	Reset Button	8	Alarm

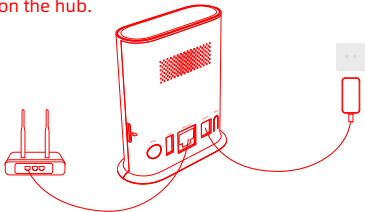
Camera



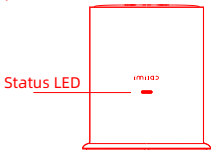
1	Spotlight	6	Status LED
2	Lens	7	Mounting hole
3	Light sensor	8	Speaker
4	Motion sensor	9	SYNC Button
5	Microphone	10	USB Charging Port

Connecting the hub

1. Use the ethernet cable provided to connect the hub to your home router.
2. Power on the hub.



3. The status LED indicator turns flashing orange then hub is ready for setup.



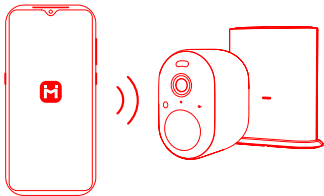
Setting up the system

Download the app and set up the system

1. Download the Imilab Home APP from the app store (ios devices) or google play (Android devices).



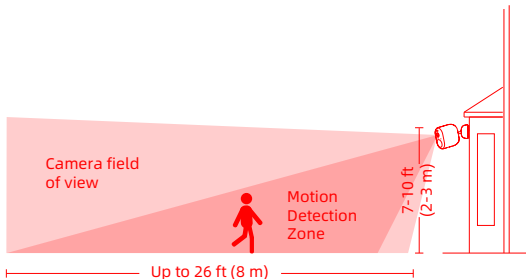
2. Sign up for a imilab home account , then follow the onscreen instructions to complete the setup.



Mounting the camera

Select height and location

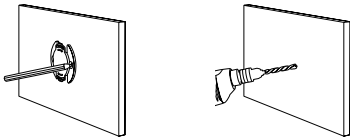
1. Hang the camera 7-10 ft (2-3m) above the ground. This height maximizes the detection range of the motion sensor of the camera.



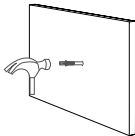
Mount the camera

The camera can be mounted both indoors and outdoors.

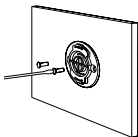
1. Drill two holes on the wall by using the base of the IMILAB EC4 as a template. It is recommended that you mark the locations of the hole with a pencil before drilling. The diameter of each hole is approximately 6 mm, and the depth is approximately 30mm.



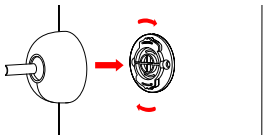
2. Insert the anchors into the holes.



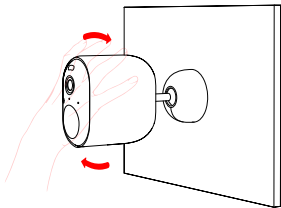
3. Firmly screw the base of the mounting bracket onto the wall.



4. Match the bottom groove of the camera mounting base with the raised area on the base. Press down until the two surfaces are flush, then turn it in either direction to lock it in place.



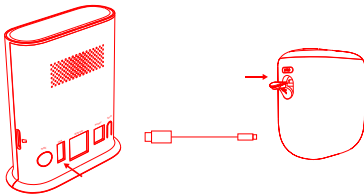
5. Tighten the camera to the mounting bracket and adjust the viewing angle by checking the live stream feed in the app.



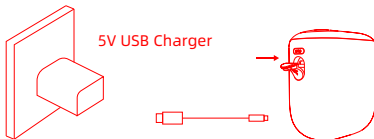
- ⚠ Warning:**
To avoid any damages or injuries, the device must be securely fastened to the Ceiling/wall as specified in the installation instructions.
- ⚠ When mounting the security camera on a wall:**
Please note that the wall must be able to support at least triple the product's total weight.

Charging the camera

Method 1



Method 2



Explanations for LEDS

Hub LED Status		Status
	Blinking blue	Network connection is in progress / not connected
	Solid blue	Network connection is successful / connected
	Blinking orange	Waiting for connection / device and app binding in progress
	Solid orange	The hub is booting up / Reset successfully / A firmware update is in progress
	Blue and orange flashes 3 times alternately	Firmware update failed
	Press and hold the reset button for 5 seconds, until the indicator light changes to solid orange, then release the button. ↓ Blinking orange	During the reset process, the hub will restart ↓ Reset is successful and you can start binding

Camera LED Status		Status
Power on/off	● Press and hold the sync button for 2 seconds until the blue light becomes to solid	You will hear the power-on music
	● Press and hold the sync button for 15 seconds until the LED blinks red	you will hear the power-off music
Camera charging	● Use USB to charge the camera, Red blinks three times	Starts charging
	● Solid green	Fully charged
Camera reset	● Press and hold the sync button for 8 seconds until the LED blinks blue, release the button	Start resetting (The camera will reboot during the reset process)
	● Blinking blue	Reset successfully
	● Solid blue (turn off after 5 seconds)	Pairing Successful
	● Blue and orange blinks 3 times alternately	Pairing Failed
PIR detection sensitivity adjustment	● Orange blinks once	PIR detects motion
	● Orange blinks continuously	PIR continues to detect motion

Safety statement

Specifications

Name: IMILAB EC4

Model: CMSXJ31A

Resolution: 2560x1440

Aperture: F1.6

Power Input: 5 V $\Rightarrow$ 2 A

Item Dimensions: 82 x 86.8 x 50 mm

Operating Temperature: -20 °C ~ 50 °C

FCC ID: 2APA9-CMSXJ31A

Name: IMILAB Smart Hub

Model: CMWG31B

Power Input: 12 V $\Rightarrow$ 1.5 A

Item Dimensions: 89.2 x 38 x 101.3 mm

Operating Temperature: -10 °C ~ 45 °C

Expandable Memory: MicroSD card (up to 64 GB)

Wireless Connectivity: Wi-Fi IEEE 802.11 b/g/n 2.4 GHz

Wired Connection: A 10/100M Self-adaptive ethernet interface

FCC ID: 2APA9-CMWG31B

Precautions

- The suitable operating temperature range for this product is between -20°C ~ 50°C . Don't use the product in an environment with temperatures above or below the specified range.
- When charging, the operating temperature range for this product is between 0°C ~ 45°C . Don't charge the product in an environment with temperatures above or below the specified range.
- Using the product in a low temperature environment or charging status will affect its standby time. The actual standby time is related to the user's environment and habit.
- To improve the product's performance, please do not place the camera lens facing or next to a reflective surface, such as glass windows/doors and white walls, which will cause the image to appear overly bright in areas close to the camera and darker in areas further away, or cause the camera to produce white images.
- Please install the product in areas with Wi-Fi reception, and try to place the device where the Wi-Fi signal is strong. In addition, please keep the security camera away from metal structures, microwave ovens, or other locations where signal strength may be impacted.
- Don't replace the battery in camera yourself—if not properly replaced, there is a danger of explosion.

- Battery (battery pack or batteries) must not be exposed to sunlight, fire, or similar overheating conditions.
- This product is a low power consumption camera with battery built-in. Don't use Real-Time Monitoring feature for long time when charging, in order to avoid battery life loss.
- Do not use the device in the environment at too high or too low temperature, never expose the device under strong sunshine or too wet environment.

FCC Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. 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.

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 20cm Statement: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

WEEE Information



All products bearing this symbol are waste electrical and electronic equipment (WEEE as in directive 2012/19/EU) which should not be mixed with unsorted household waste. Instead, you should protect human health and the environment by handing over your waste equipment to a designated collection point for the recycling of waste electrical and electronic equipment, appointed by the government or local authorities. Correct disposal and recycling will help prevent potential negative consequences to the environment and human health. Please contact the installer

or local authorities for more information about the location as well as terms and conditions of such collection points.

EU Declaration of Conformity

Hereby, Shanghai Imilab Technology Co., Ltd. declares that the radio equipment type IMILAB EC4 is in compliance with Directive 2014/53/EU.

Hereby, Shanghai Imilab Technology Co., Ltd. declares that the radio equipment type IMILAB Smart Hub is in compliance with Directive 2014/53/EU.