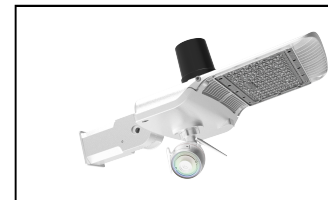
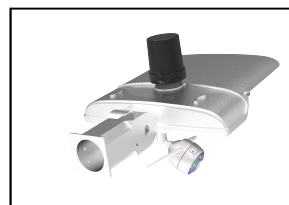
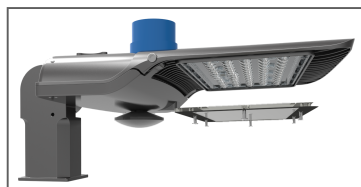
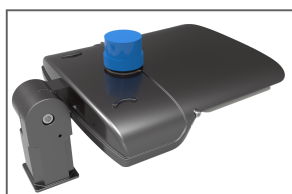
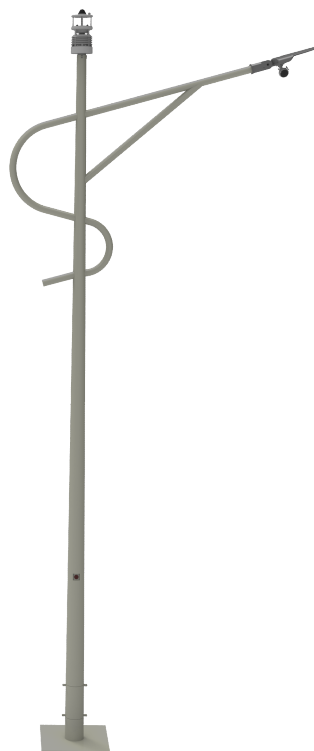


## Smart Street Lighting



### Application

Road, parking area, highway, residential area etc.

### Features

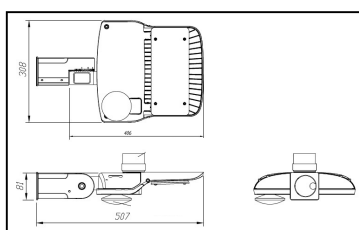
- (1) Whole set of lens for lighting distribution, lighting efficiency up to 150 LM/W.
- (2) Space between the modules, it brings excellent air convection, heat can be sent off immediately, keeping led working under low temperature.
- (3) 11 kinds of mounts available.
- (4) Unique and Beautiful appearance, photocell sensor and Motion sensor available.
- (5) IP 66 waterproof for outdoor using.

## Product Parameters

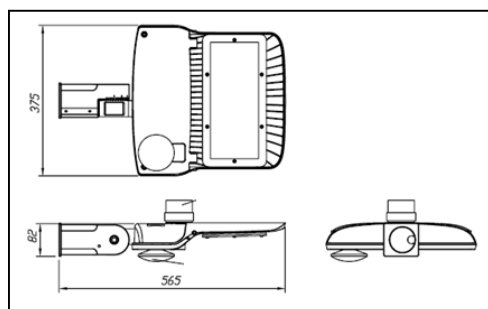
Item,	Ra	Luminous Flux	Power	Dimension/ MM	Driver & LED Chip	N.W.
YR-PLQ507-W030-X	≥70	4500 LM	30±5W	507*308*81	Meanwell HLG Philips Luxeon 5050	4.0 KG
YR-PLQ507-W050-X	≥70	7500 LM	50±5W	507*308*81	Meanwell HLG Philips Luxeon 5050	4.0 KG
YR-PLQ507-W080-X	≥70	12000 LM	80±5W	507*308*81	Meanwell HLG Philips Luxeon 5050	4.1 KG
YR-PLQ565-W100-X	≥70	15000 LM	100±8W	565*375*82	Meanwell HLG Philips Luxeon 5050	5.4 KG
YR-PLQ565-W150-X	≥70	22500 LM	150±8W	565*375*82	Meanwell HLG Philips Luxeon 5050	5.4 KG
YR-PLQ785-W200-X	≥70	30000 LM	200±10W	785*376*101	Meanwell HLG Philips Luxeon 5050	8.9 KG
YR-PLQ785-W300-X	≥70	45000 LM	300±10W	785*376*101	Meanwell HLG Philips Luxeon 5050	10.0 KG
3000K 4000K 5000K CCT optional						
AC 85 V ~ 305 V, Power Factor>90%						
Working temperature: - 40 ~ 45 ° C						
Different beam angles for choice, Type II 85*135 deg/ Type III 90*140 deg/ Type V 120 deg						

## Product Dimension

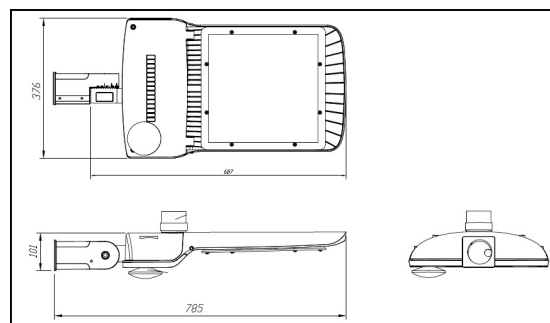
YR-PLQ507



YR-PLQ565

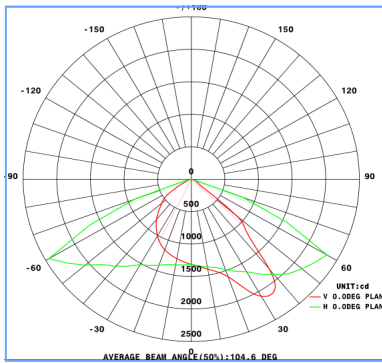


YR-PLQ785

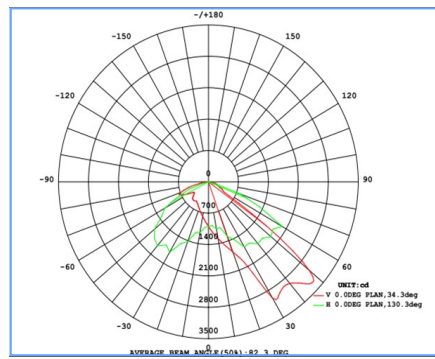


## Beam Angles

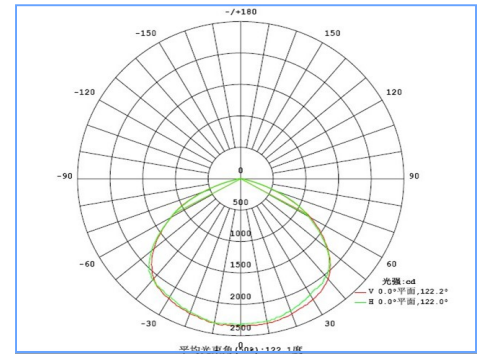
85\*135 deg



90\*140 deg

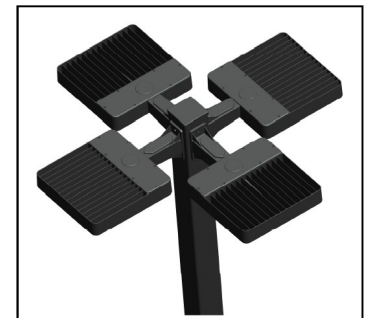
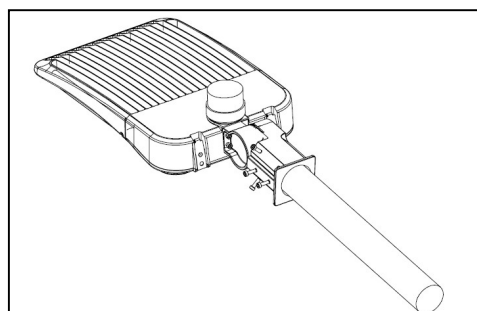
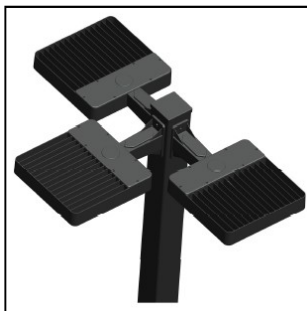


120 deg

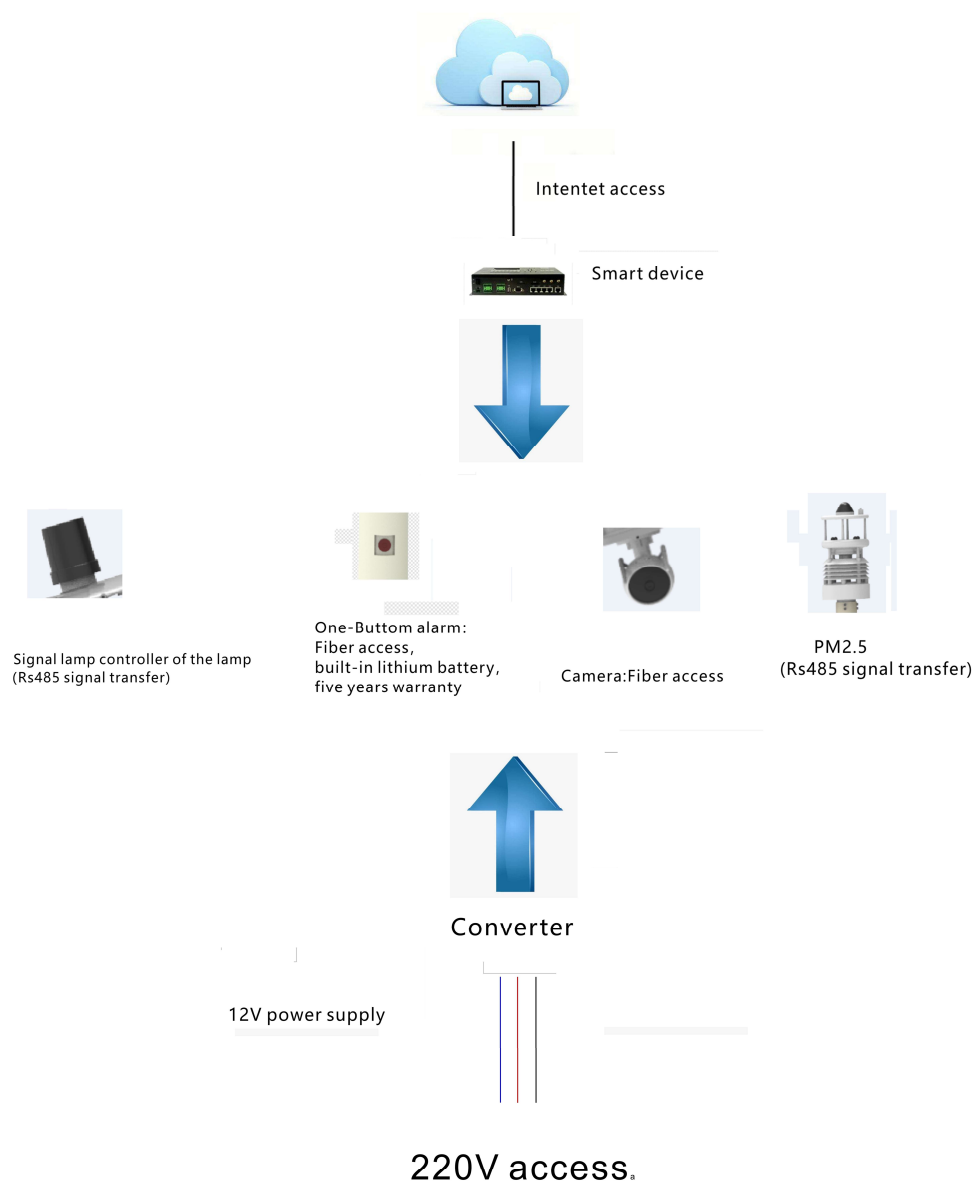


## Installation Notes

- Cut off the power and make sure the wall can burden the weight of the lamp.
- Before install the lamp, ensure the lamp wiring correctly, don't let the lamp's dropping down.
- Do not use the lamp in the area where have aggressive gas.
- Do not cover anything on the lamp which is harmful for heat sink.
- Products faults caused by separating, remodeling or incorrectly construction are not in the quality warranty range .
- Installation simulation photos :



## Operating principle



Note: except the one button alarm with built-in lithium battery all settings 12V power supply

- Environmental monitoring: Obtain PM2.5, PM10 and other air pollutants through RS485 bus and communication with environmental monitoring equipment
- Single lamp controller: Used for monitoring electric power, dimming as required and switch the street lamps on/off. For energy saving.
- One-key alarm: Push alarm button when an emergency occurs.
- Smart device: Wireless access to the system cloud platform, display the monitored PM2.5 data and videos recorded in the camera, real-time control of street lights.

## Operating principle



### 1. Section/ Device Creation

1) [iot.ioidea.net](http://iot.ioidea.net)

Login the Smart Street Light IOT platform by using the assigned corporate account.

2) Click System Setting, then create the belonged road section in the Road Section Setting. Set the lamps information in the Lamp Setting.

### 2. Device Registration

1) Insert the gateway controller into the SIM card.

2) Register the gateway controller with mobile phone.

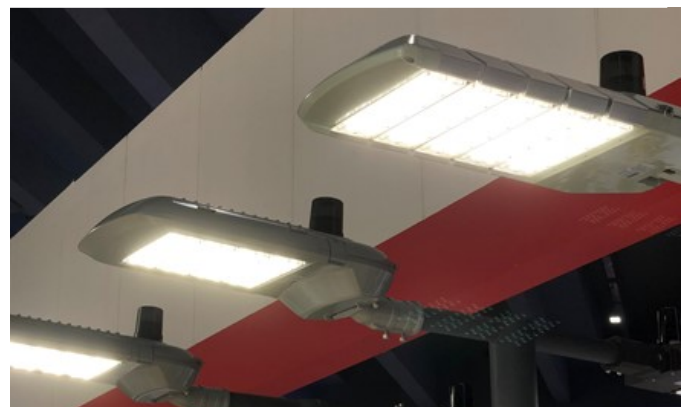
3) Register the node controller with mobile phone and bind it to the gateway of the specified road segment.

### 3. Power on the device

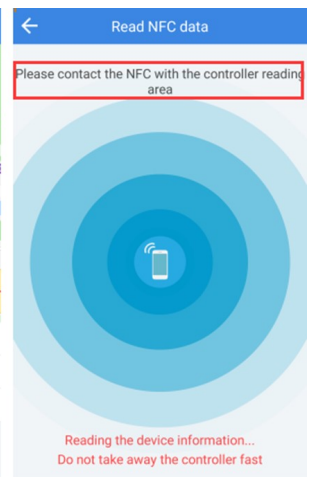
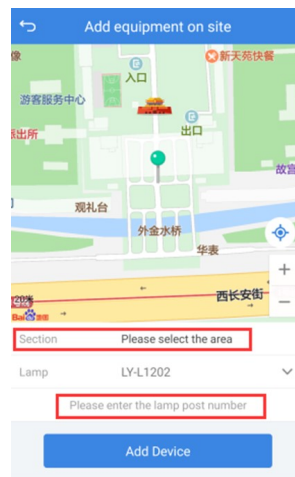
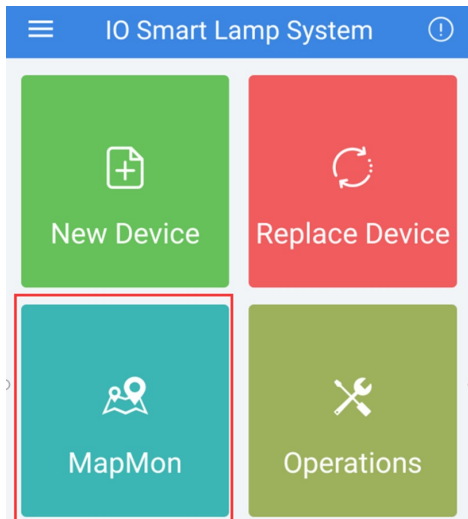
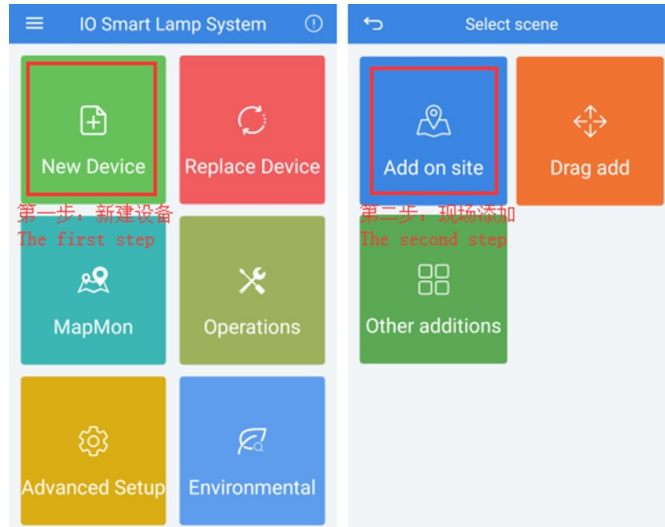
1) Install the node controller to the street light of the specified road section.

2) Install the gateway controller last to the street light on the specified road section.

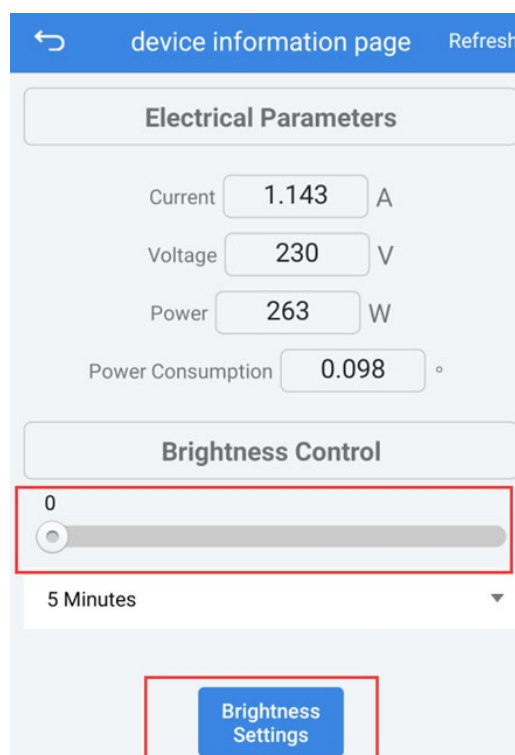
3) After power-on ( $6s \times \text{number of nodes}$ ) + 55s seconds, the device will be registered to the platform for normal control.



## Operation Guides

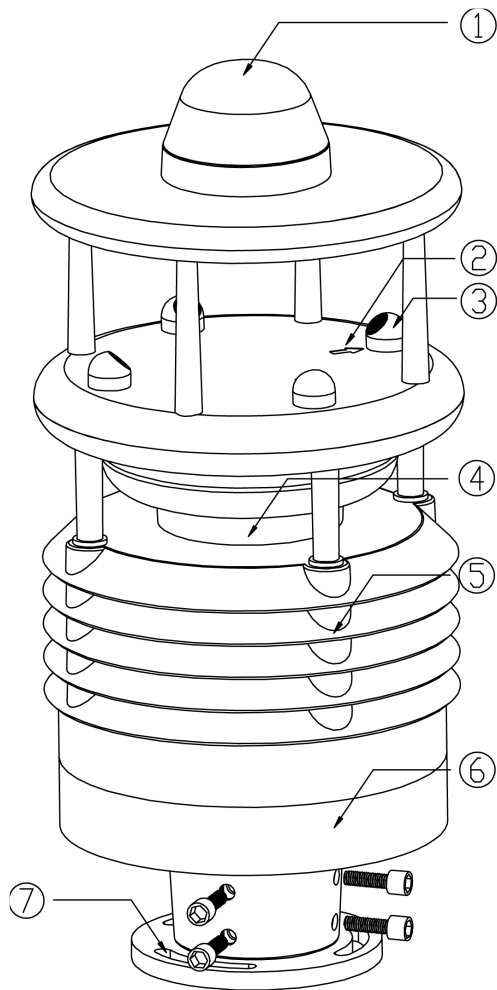


## Operation Guides



- Log in the software, set up a new device, position the lamp.
- When you are on the scene, you can choose: add on the scene, when you are not on the scene, you can choose: drag add. Drag icon to select location to place.
- NFC information reading. Put the phone near the device's NFC antenna module.
- Registering a node controller, select the gateway to which it belongs.
- Options: map monitoring, can view the location of the device, the device brightness, switch control.
- When the icon is blue, it means the connection is normal, and gray means the connection is broken.
- The brightness control "progress bar" has 0-10 gears, 0 represents turning off the light, 10 represents 100% brightness, and other values correspond to different percentage brightness.
- Enter the “Operation And Maintenance Management” to view the alarm information and work orders of the corresponding device.

## HCD6820 Air Pollution Environmental Monitor



- 1, Optical rainfall
  - 2, North arrow
  - 3, Ultrasonic probe
  - 4, The control circuit
  - 5, Blind box (temperature, humidity, air pressure monitoring position)
  - 6, PM2.5, PM10, CO, NO<sub>2</sub>, SO<sub>2</sub>, O<sub>3</sub>
  - 7, The bottom fixed flange
- \* This product can be equipped with electronic compass function.

## Features

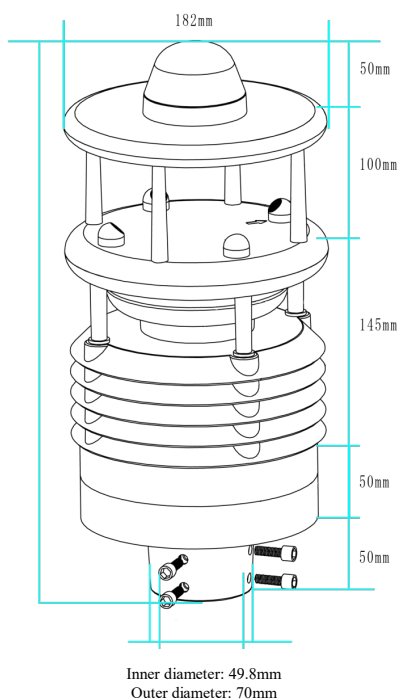
- \* Real-time measurement using advanced sensing technology
- \* All-day working, free from heavy rain, snow, frost weather
- \* High measurement accuracy and stable performance
- \* Compact and elegant appearance
- \* High integration, easy installation
- \* Free maintenance, not need on-site calibration
- \* Use ASA engineering plastics, does not change color all year for outdoor application

## Application

Weather monitoring, urban environmental monitoring, wind power, navigation ship, airport, bridge, tunnel etc.



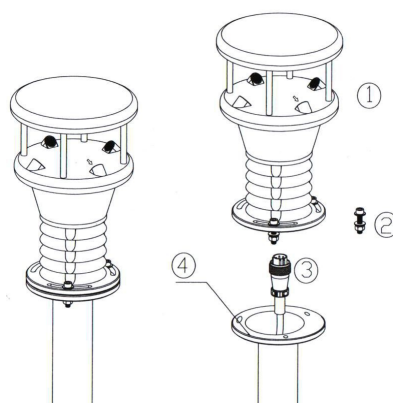
## Product Dimension



## Installation Note

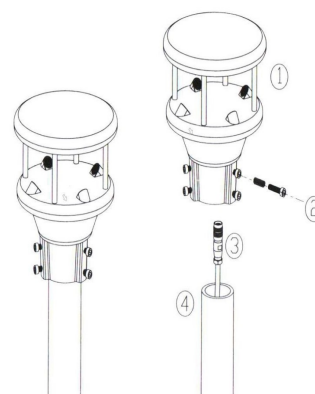


→ Select direction

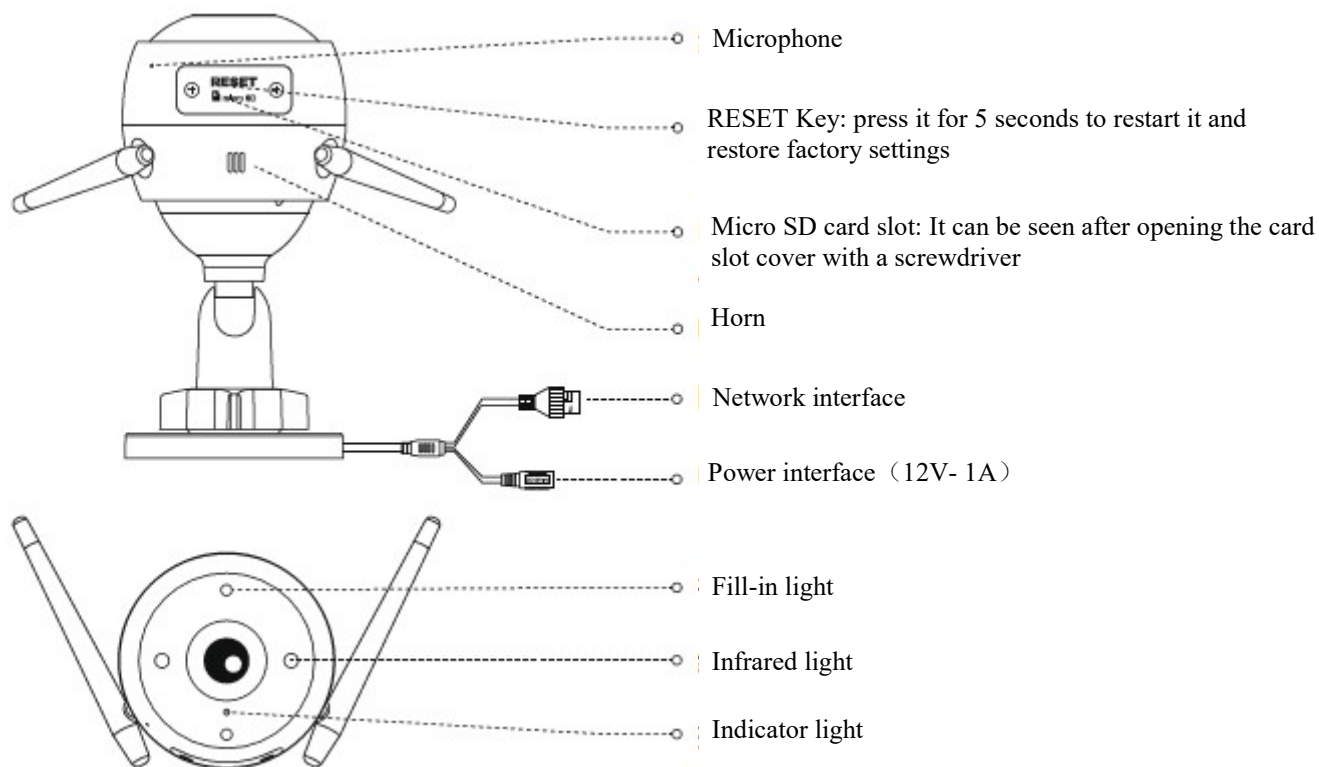


1. Micro-meteorological instrument
2. Screw,  $\text{Ø}6$  specifications
3. Communication cable + aerial plug
4. Bracket

←



## Camera

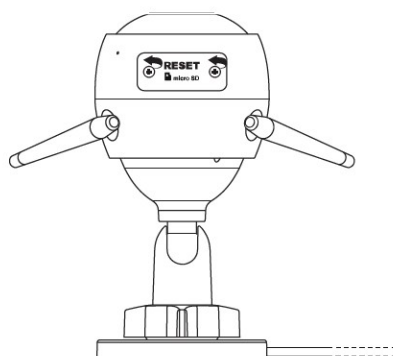


- Red is on: starting
- Red slowly flashes: disconnected from the network
- Red quickly flashes: out of order
- Blue slowly flashes: working well
- Blue quickly flashes: Distribution network mode

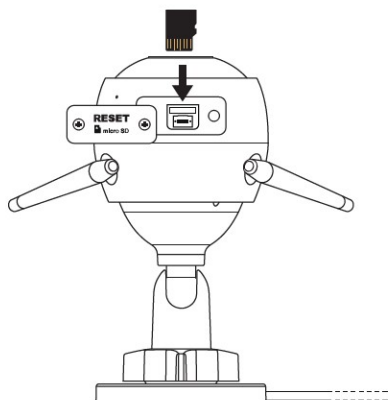
## Installation Note

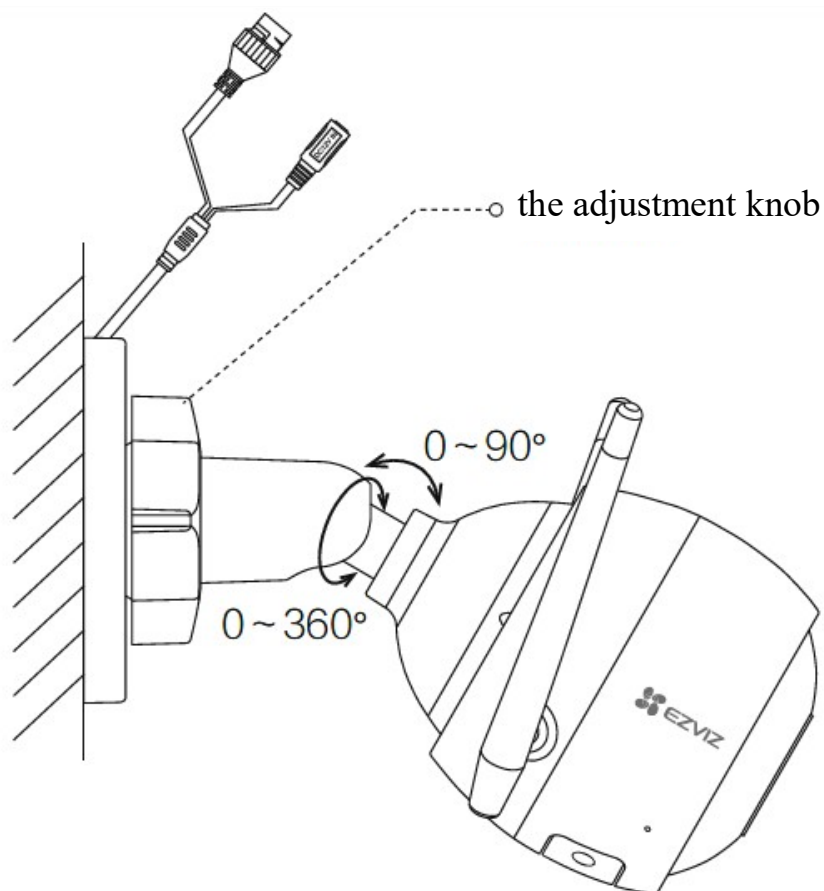
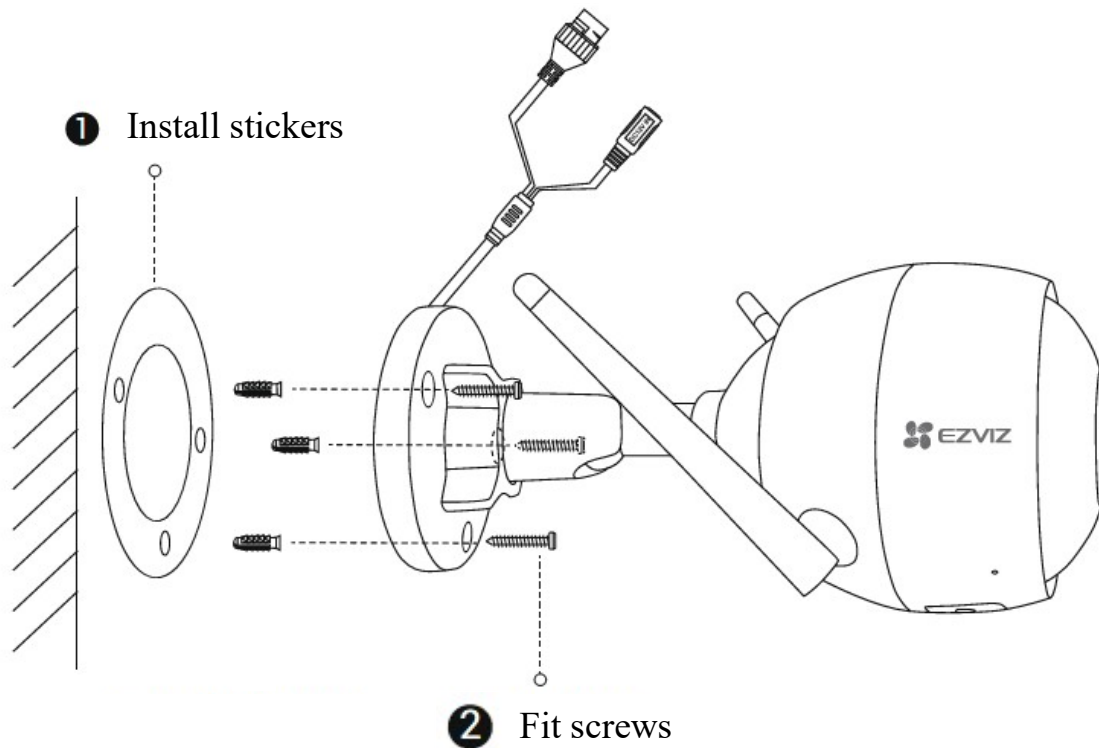
( The mounting surface should be thick enough to withstand at least 3 times the weight of the camera;  
The recommended installation height is 3M )

Open the card cover with a screwdriver












Insert the micro SD card and log in to EZVIZ cloud video APP for initialization before using it





## Main Functions

Module	Function Description
Pole 	6 meters height, Q235 rolled steel material, 3mm thickness; A variety of appearance and material optional; Can be customized according to customer needs, need to provide customized parameters
Lamp 	LED street light PLQ series; Refer to page 2 for details
Intelligent Lighting Control System 	Realize intelligent control of street lamp, dimming, switching, voltage, current, power, electricity statistics, fault warning, energy analysis, GIS map, etc
Camera 	360 rotation, 1080P hd, support local storage; Support later analysis of video data (specific depending on actual industry application); Support remote viewing; Safety monitoring
Network 	Support local operator networks, NB-IOT, LORA, ZIGBEE, WIFE hotspot
SOS System 	An SOS button on the light pole; Push alarm button when an emergency occurs. Children lost to the police; Difficulties in seeking help.
Environment Monitor 	Smart street light can be equipped with a variety of sensors (air pollution detector, temperature and humidity sensor, brightness sensor, etc.), which can be used to detect wind direction, wind speed, temperature and humidity, PM2.5, PM10, CO, NO2, SO2, O3, to realize intelligent monitoring of urban environment and weather.
Smart device 	Access to lighting, security monitoring, wireless coverage, environmental weather monitoring, emergency alarm
Screen 	For displaying weather reports, commercials, music, emergency messages and other information.