HOZARD

Manual

HSS4K-1

4K UHD Solar Security

Installation Guide & Compliance Information



Efficient Solar Charging

HomeBase Control

Motion Tracking

IP66 Weather Resistant

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01. SAFETY & LEGAL COMPLIANCE

1.1 Certifications and Regulatory Compliance

This product complies with the following U.S. and international safety and regulatory standards:

FCC Compliance:
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
This device may not cause harmful interference.
This device must accept any interference received, including interference that may cause undesired operation.

FCC ID: 2AVKP-BF-A70 (Camera), 2AVKP-BF-BS01 (Base Station).
UL Certification: Tested according to UL 62368-1 safety standards for audio/video and information technology equipment.

CE and RoHS Compliance: Complies with EU CE directives and the Restriction of Hazardous Substances (RoHS) requirements.

1.2 Privacy and Data Security

Compliance with Local Laws: Do not point the cameras at public areas (e.g., sidewalks, streets) or neighboring properties. Unauthorized surveillance may violate local privacy regulations.
Data Privacy: All video recordings are stored locally on the included microSD card. Cloud storage is only required if manually enabled by the user.

1.3 California Proposition 65 Notice

This product may contain chemicals recognized by the State of California as potentially harmful to health. These substances are commonly found in electronic devices at concentrations well below applicable safety standards.

For detailed information, please visit www.P65Warnings.ca.gov.

1.4 Environmental and Operational Safety

Operating Conditions: Designed for outdoor use. Operating temperature: -4°F to 122°F (-20°C to 50°C). Avoid prolonged exposure to extreme humidity (>85%) or direct contact with sea spray.

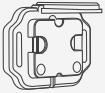
Installation Instructions: Use only the included 12V / 2A power adapter for the HomeBase. Do not open or modify the device.

Ensure that the solar panels are securely mounted to prevent falling or damage.

02. WHAT IS INCLUDED IN THE PACKAGE?



Camera × 4



Mounting Bracket × 4



Solar Panel × 4



Ethernet Cable



HomeBase



Mounting Base × 4



Screw Pack × 8



USB Cable × 4



Power Adapter



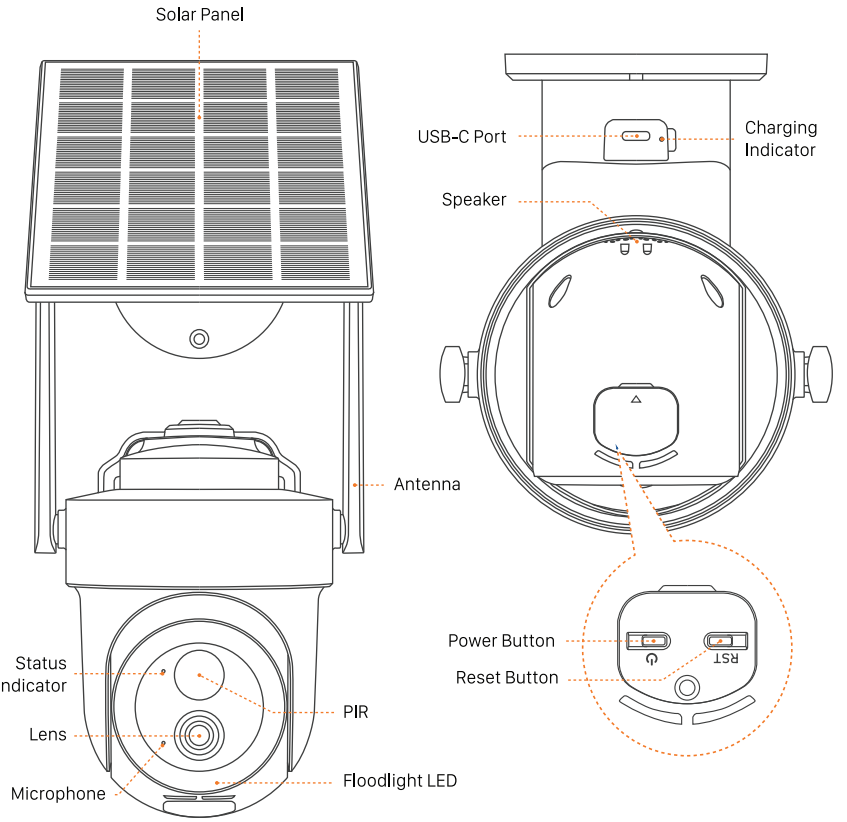
Memory Card
(64 GB Included)



User Manual

03. PRODUCT COMPONENTS & MAIN FEATURES

Camera

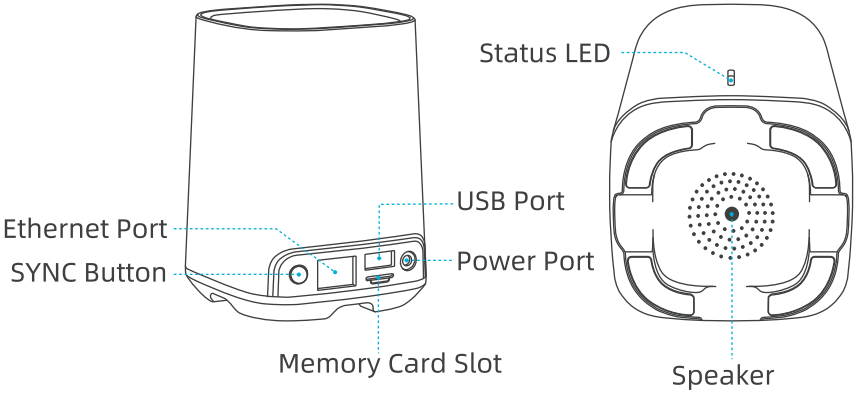


	Scenarios	Lighting Rules (Red/Blue Lights)
Camera Command Indicator Definition	Power on	Blue light stays on for 3 seconds
	Pairing	Blue light flashes at 1Hz
	Upgrading	Blue light flashes at 2Hz
	Normal Operation	Blue light stays on
	Production Testing	Red and blue lights flash alternately at 1/3Hz
	Camera Aging	Red and blue lights stay on
	Network Abnormality	Red light flashes at 0.5Hz
	Low Battery (Battery Level ≤ 20%)	Red light flashes once every 3 seconds, each flash lasting 1 second, until charging begins or the device is turned off. (No flash during sleep mode).
	Shutdown	After pressing and holding the button for 5 seconds to prompt shutdown, the red light flashes at 1Hz until the device is turned off

	Scenarios	Button Press Definition
Camera Key Definition	Power on	Press and hold the "⏻" button for 3 seconds
	Pairing	Double-press the "⏻" button.
	Reset	Press the "RST" button five times.
	Shutdown	Press and hold the "⏻" button for 5 seconds

Base Station

The HomeBase can connect to a maximum of four cameras.



Lights at The HomeBase	**Scenarios**	**Lighting Rules (Red/Blue Lights)**
	Network Normal	Blue light stays on
	Boot	Red light stays on
	Network Disconnection	Red light flashes slowly
	Upgrade	Red and blue lights flash
	Network Configuration	Blue light flashes slowly
SYNC Button Definitions	**Scenarios**	**Button Press Definition**
	Binding	Press and hold for 3 seconds
	Reset	Press and hold for 10 seconds

04. Using the KooCam App

1.1 Methods:
Scan QR Code: Use your smartphone camera to scan the QR code below.
Search App Stores:
Android Users: Search "KooCam" on Google Play™.
iOS Users: Search "KooCam" on the App Store™.

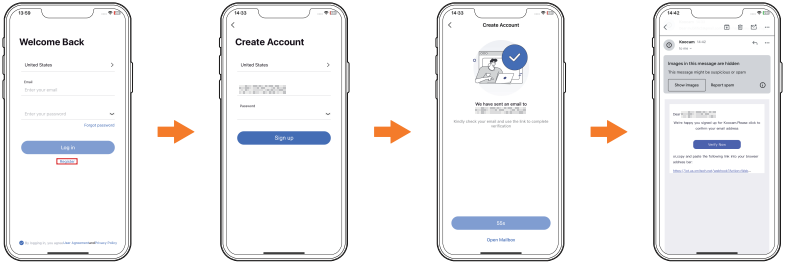
Available on the App Store

Get it on Google play

Legal Notes:
Google Play™ and the Google Play logo are trademarks of Google LLC.
App Store™ is a service mark of Apple Inc.

2.Account Registration

New users are required to register the "Koocam" app for operation and use in conjunction with the camera using a real email address.



① Click "Register" to create a new account.
② Select your region, fill in your email address and create a password.
③ Click "Register" again, the APP will send a verification email to your mailbox.
④ Find the corresponding email in your mailbox and select "Verify".
⑤ Return to APP to log in your new account.

Critical Notes:

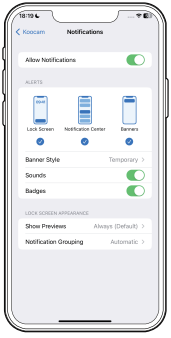
- Agree to Terms: Accept the User Agreement and Privacy Policy during registration.
- Region Lock: Cameras cannot be shared across accounts in different regions.
- Valid Email Required: Use a real email for account recovery.

3.Enable Permissions

Please turn on both of the following permissions.

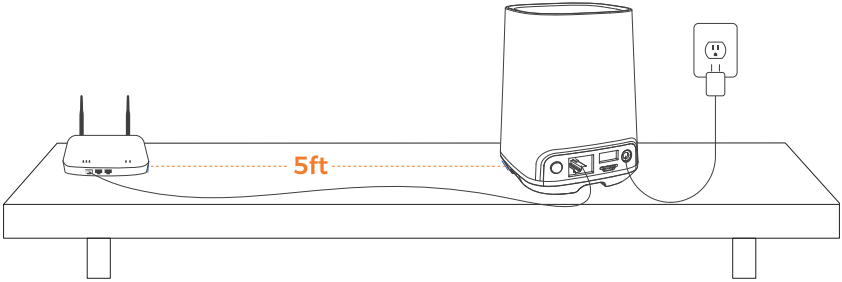
① Allow the "Koocam" app to access mobile data and Wi-Fi; Otherwise, it will fail to connect to the camera.
② Enable push notifications for the "Koocam" app; Otherwise, the phone will not receive alerts when motion is detected.



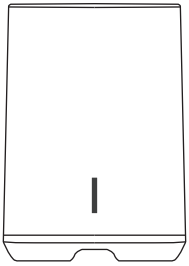


05. Connecting the Home Base

① Power on the HomeBase: Connect the HomeBase to the LAN port and power port of your home router. (Use the Ethernet cable and original 12V/1A power adapter included in the package.)



② Wait for 1 minute until the HomeBase LED changes from red to blue.
③ Prepare for pairing: Once the LED turns blue, press and hold the SYNC button until you hear a "di" sound. Wait for the LED to change from solid blue to blinking blue, indicating that the HomeBase is ready for pairing.



06. Step-by-Step Installation

① Charge the Camera: Use the included USB cable to charge the camera. The charging indicator will glow green during charging and turn off when fully charged.

② Power On: Press and hold the " ⏻ " button until the indicator lights up, confirming successful power-on.

Note:
If the camera and HomeBase are powered on simultaneously, they will auto-connect. A solid blue light indicates a successful connection.

Pairing the HomeBase with Your Network

Network Check:
Ensure your router is functioning and the HomeBase LED is blinking blue.

Phone Network:
Your phone must have an active network connection (It can support any Wi-Fi with cellular data or a different Wi-Fi network).

Scan to Pair:

Open the app, select "Add Device" → Scan the QR code on the HomeBase.

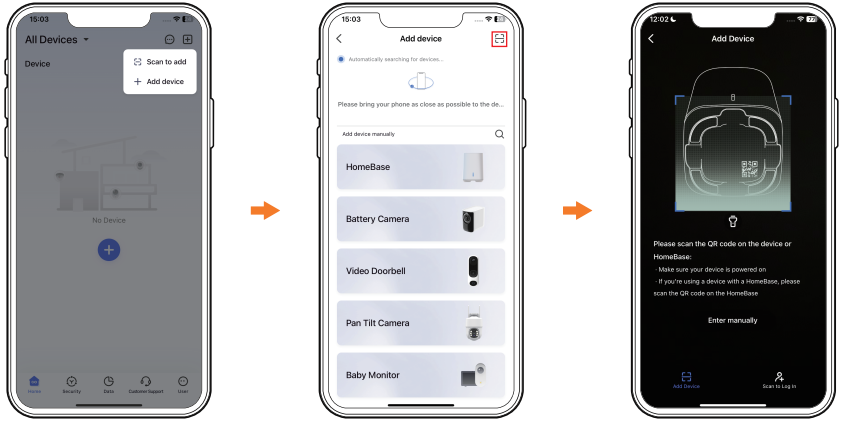
Automatic Connection:

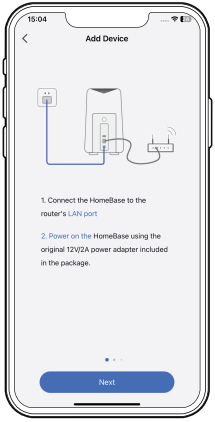
Keep your phone close to the HomeBase until pairing completes automatically.

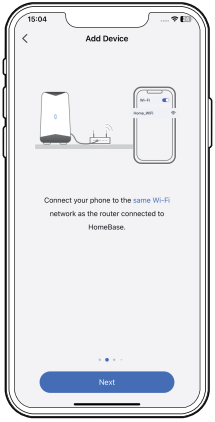
Troubleshooting:

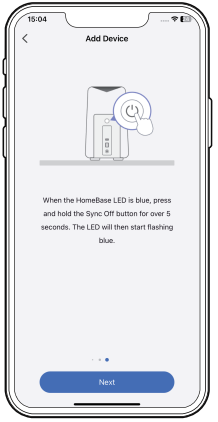
If pairing fails, manually enter the device serial number (found on the HomeBase label).

Step: Click Setting → Click Device Information → Copy Serial Number

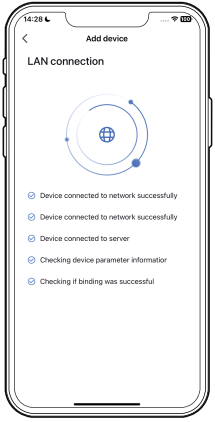


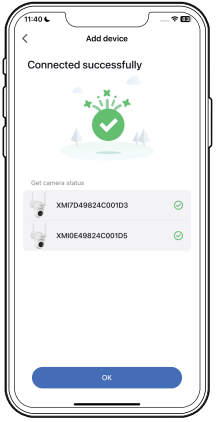

15:04
Add Device
1. Connect the HomeBase to the router's LAN port
2. Power on the HomeBase using the original 12V/2A power adapter included in the package.
Next


15:04
Add Device
Connect your phone to the same Wi-Fi network as the router connected to HomeBase.
Next

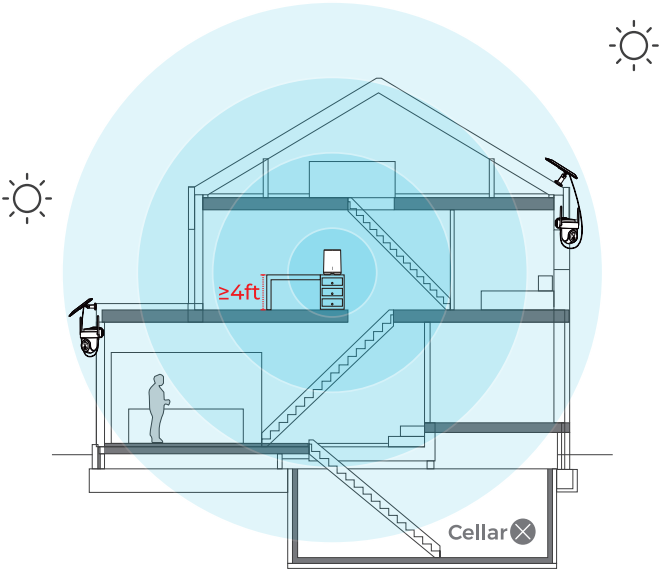

15:04
Add Device
When the HomeBase LED is blue, press and hold the Sync Off button for over 5 seconds. The LED will then start flashing blue.
Next


14:27
Add device
Searching for LAN devices...
Select LAN Device


14:28
Add device
LAN connection
Device connected to network successfully
Device connected to network successfully
Device connected to server
Checking device parameter informatior
Checking if binding was successful


11:40
Add device
Connected successfully
Get camera status
XMI7D49824C001D3
XMI0E49824C001D5
OK

Mounting the Camera



1. Installation Planning & Signal Optimization

HomeBase Signal Range:

Signal range extends up to 985ft / 300m in open areas without obstacles. Walls, glass, and other barriers may cause signal interference.

HomeBase Placement Tips:

Position the HomeBase at the center of cameras and 3.94ft / 1.2m above ground.

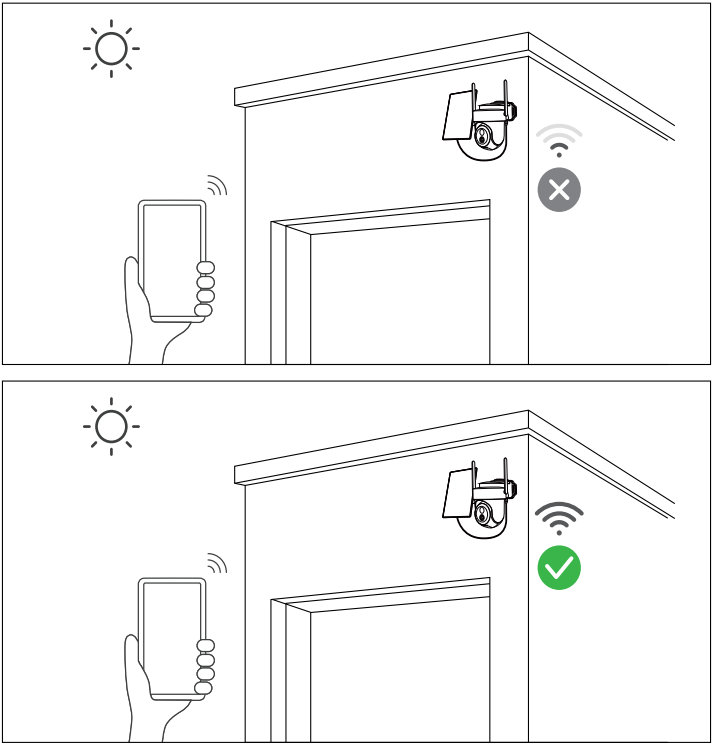
Avoid placing the HomeBase in basements or enclosed spaces.

2. Pre-Installation Wi-Fi Signal Test

Signal Quality Check:

Temporarily place the camera at the intended mounting spot and test Wi-Fi signal quality with your phone.

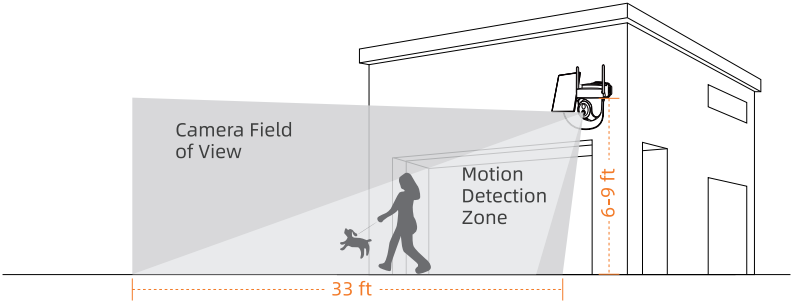
Ensure signal strength is ≥3 bars (out of 5).



3. Camera Height & Orientation

Mounting Height:

Mount the camera 1.8-2.7 meters (6-9 ft) high for optimal motion detection.



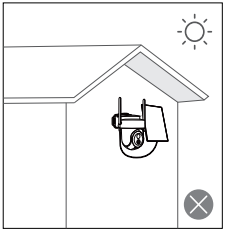
Hemisphere-Specific Orientation:

Northern Hemisphere: Face the camera south.

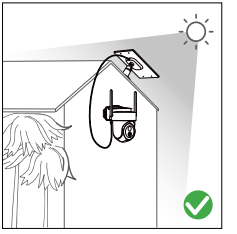
Southern Hemisphere: Face the camera north.

Avoid Obstructions:

Ensure no obstructions (e.g., eaves, branches) block the camera.







4. Pre-Installation Preparation

Charging:

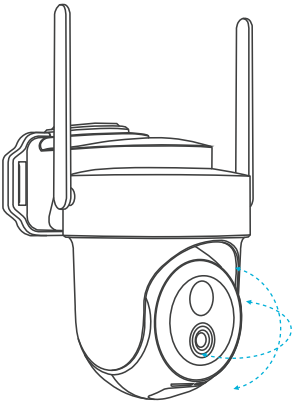
Charge the camera with the included USB cable (~7-8 hours). The LED remains solid green during charging and turns off when fully charged. Ensure the camera is fully charged and connected to the app before installation.

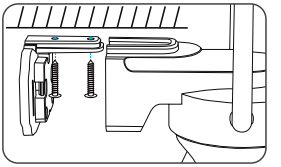
Physical Installation Steps

Drilling & Securing:

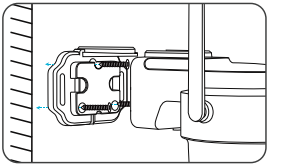
Drill holes using a 6mm (15/64") bit based on the position sticker.

Insert wall plugs and tighten screws.





Installation on The Ceiling



Installation on The Wall

Mounting Surface Options:

On the Wall: Adjust the camera horizontally to cover the target area.

On the Ceiling: Tilt the camera downward at 30° for wider coverage.

Solar Panel Mounting

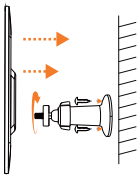
1. Installation Steps

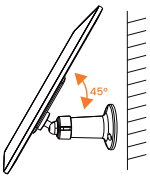
Mount the Bracket & Panel :
Use a power drill and screws to secure the camera bracket to the wall. Align the bracket's screw holes with those on the solar panel and tighten clockwise.

Adjust the Panel Angle :
Tilt the panel to face upward (45° is optimal for most regions).

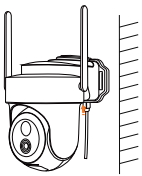
Connect to Camera Charging Port :
Remove the rubber cover from the camera's charging port → Insert the solar panel's charging head through the rubber plug → Securely connect to the port.

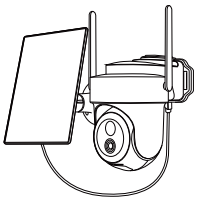
Weatherproof the Port :
Re-cover the charging port with the rubber plug for full weather resistance.


Step 1



Step 2

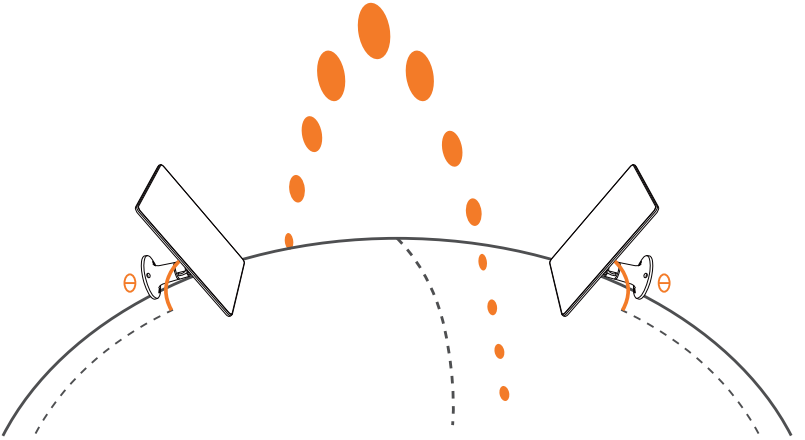

Step 3


Step 4

2. Location & Angle Optimization

Installation Location :
Choose a spot with maximum sunlight exposure and no obstructions (e.g., trees, eaves).
The panel requires ≥3 hours of direct sunlight daily.

Hemisphere-Specific Angle:
Northern Hemisphere: Optimal angle = Local Latitude +5°
Southern Hemisphere: Optimal angle = Local Latitude +5°



3.Maintenance & Precautions

Regular Cleaning:
Wipe the panel monthly with a soft cloth to remove dust and debris.

Avoid Obstructions:
Partial obstructions (e.g., leaves) can drastically reduce efficiency.

Extreme Weather Tips:
Clear snow promptly after storms → Check rubber seals during heavy rain.

07. Troubleshooting

1. Camera Fails to Connect to Home Base

Camera LED blinks blue but does not appear in the app.
Solution:
Ensure the Home Base LED is blinking blue (pairing mode).
Reset the camera (hold RST button for 3s) → Rescan the Home Base QR code.

2. Low Solar Charging Efficiency

Camera battery remains below 20% with frequent red LED flashes.
Solution:
Adjust the solar panel angle to match local latitude (e.g., Latitude +5° in Northern Hemisphere).
Clean dust, snow, or debris from the panel surface.
Temporarily charge the camera via the included USB cable (7-8 hours to full charge).

3. Motion Detection Alerts Not Triggered

No motion alerts or event logs in the app.
Solution:
Enable notifications for the KooCam app (Settings > Notifications).
Remount the camera at 6-9 ft (1.8-2.7m) height with a clear detection zone.
Calibrate PIR sensor sensitivity in the app (Settings > Motion Detection).

4. Blurry Night Vision or No Infrared Activation

Poor night vision quality or infrared LEDs not activating.
Solution:
Clean the camera lens and infrared LEDs with a microfiber cloth.
Avoid strong ambient light (e.g., street lamps) by adjusting the camera angle.
Manually enable the floodlight in the app (Settings > Light > Manual Mode).

5. No Verification Email?

Check spam folder → Tap "Resend Email" in the app.

6. Login Failed?

Ensure correct region selection → Use "Forgot Password?" to reset.

08. Technical Specifications

Image Quality	Resolution	8MP 3840H x2160V (16:9)
	Image Sensor	1/2.8" Progressive Scan CMOS
Specifications Lens	Viewing Angle	Diagonal 100.6° Horizontal 84.4° Vertical 44.3°
	Focal Length	4mm
Video Specifications	Video Format	H.265
	Frames Per Second	15fps
	Memory Card Support	8GB~Max128GB, Cloud Storage
Communications	Wireless Security	WEP, WPA, WPA2
	Wi-Fi	2.4/5 GHz, IEEE 802.11b/g/n/
Battery	Solar Panel	3W
	Battery Capacity	3.6V/5200mAh 2pcs 18650
	Standby Time	Max 6 months
	Charger	Charger
Applicable Environment	Temperature	-20°C~ 50°C（-4°F~122°F）
	Humidity	20%～85%; Non-condensing
PIR	PIR Angle	110°
	PIR Range	30ft
System Suppport	Android 2.3 Above / IOS 7.0 Above	

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