

SOVMIKU CQ4

Vicohome CQ4 2K AI Solar Security Camera User Manual

Model: CQ4

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your SOVMIKU Vicohome CQ4 2K AI Solar Security Camera. Please read this manual thoroughly before using the product to ensure proper functionality and safety. Keep this manual for future reference.

2. PRODUCT OVERVIEW

2.1 Package Contents

Verify that all components are present in the package:

- Vicohome CQ4 Security Camera
- Solar Panel
- Mounting Bracket (for camera)
- Mounting Bracket (for solar panel)
- Screws and Wall Plugs
- USB Charging Cable
- User Manual (this document)

2.2 Camera Components

Familiarize yourself with the main parts of the camera:



Image 2.2.1: The Vicohome CQ4 security camera with its accompanying solar panel, illustrating the main unit and its power source.



Image 2.2.2: A detailed view of the camera's front, showing the lens, infrared sensors, and LED lights for night vision and spotlight functions.

- **Camera Lens:** Captures 2K ultra-high-definition video.
- **PIR Sensor:** Passive Infrared Sensor for motion detection of warm bodies.
- **Microphone:** For two-way audio communication.
- **Speaker:** For two-way audio communication and audible alarms.
- **Spotlight/LEDs:** Provides illumination for color night vision and flashlight alarm.
- **Solar Panel Connector:** Port for connecting the solar panel.
- **Power Button:** Used for turning the camera on/off and initiating pairing mode.
- **MicroSD Card Slot:** Supports up to 128GB for local storage (card not included).

3. SETUP

3.1 App Installation

The Vicohome CQ4 camera operates via the "Vicohome" mobile application.

1. Download the "Vicohome" App from the [Google Play Store](#) (for Android devices) or the [Apple App Store](#) (for iOS devices).
2. Register a Vicohome account using your email address or mobile number.
3. Sign in to your newly created account.



Image 3.1.1: The Vicohome application interface displaying multiple connected security cameras, demonstrating multi-device support.

The Vicohome app supports up to 50 devices and allows viewing of 4 cameras simultaneously.

3.2 Camera Pairing

1. Ensure your camera is charged or connected to the solar panel.
2. Open the Vicohome App and select the "add camera now" button.
3. Enter your 2.4G Wi-Fi network name (SSID) and password. A QR code will appear on your phone screen.
4. Press and hold the power button on the camera for 3 seconds to turn it on and enter pairing mode.
5. Scan the QR code displayed on your phone with the camera's lens. A voice prompt will confirm successful pairing.

Note: The camera supports 2.4G Wi-Fi only (IEEE 802.11 b/g/n). 5G Wi-Fi is not supported due to its shorter wavelength and smaller coverage area, which is less suitable for outdoor security cameras.

3.3 Physical Installation

Proper placement and installation are crucial for optimal performance and solar charging.

1. **Install the Camera Mount:** Secure the camera mounting bracket to a desired location using the provided screws.
2. **Fix the Camera:** Attach the camera to the installed mounting bracket.
3. **Install the Solar Panel Mount:** Secure the solar panel mounting bracket in a location that receives maximum direct sunlight throughout the day.

4. **Lock the Solar Panel:** Attach the solar panel to its mount and adjust its angle to face the sun. Connect the solar panel cable to the camera.

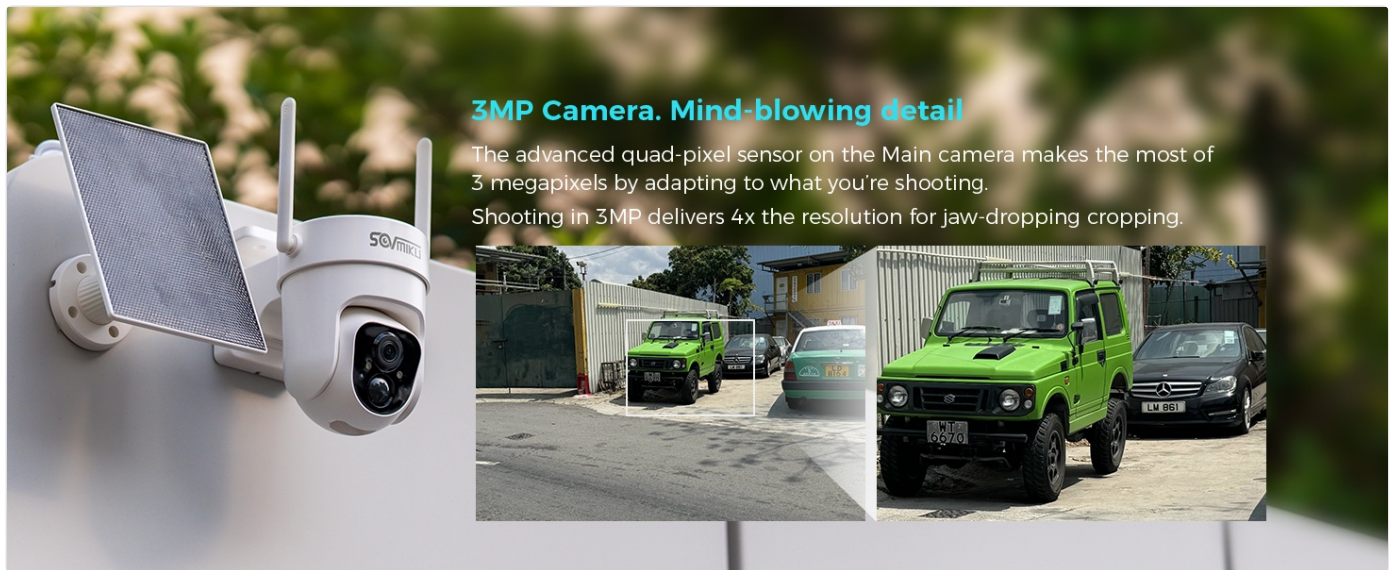


Image 3.3.1: Visual guide for optimal solar panel placement, indicating positions that receive adequate sunlight versus those that are obstructed.

The solar panel cable is 9.8ft long, allowing flexible placement for optimal sunlight exposure.

Powered by Vicohome

No NVR needed, Supports over 50 devices,
View 4 cameras at the same time.



Image 3.3.2: The Vicohome CQ4 camera and its solar panel installed on an outdoor wall, demonstrating a typical setup.

4. OPERATING INSTRUCTIONS

4.1 Vicohome App Interface

The Vicohome app provides control over all camera functions.

- **Live View:** Access real-time video feed from your camera.
- **Playback:** Review recorded footage stored on the microSD card or cloud.
- **Pan/Tilt Control:** Adjust the camera's viewing angle (Pan 355°, Tilt 90°).
- **Two-Way Audio:** Communicate through the camera's microphone and speaker.

- **Alarm Settings:** Configure motion detection sensitivity, flashlight, and siren alarms.
- **Power Settings:** Monitor battery level and solar charging status.



Image 4.1.1: A user interacting with the Vicohome app to utilize the two-way audio feature, showing a person speaking into their phone and the camera emitting sound.

4.2 Motion Detection and Alerts

The camera features an always-on Passive Infrared (PIR) sensor for motion detection.

- When a warm body (human or animal) passes by, the PIR sensor triggers the camera within 10 milliseconds.
- Enable push notifications in the Vicohome App to receive alerts on your mobile device.
- If an Apple Watch is connected to your iPhone, you can receive and check notifications directly on your watch.



Image 4.2.1: An Apple Watch displaying a motion detection alert from the Vicohome app, showing a person walking a dog.

4.3 Audible and Flashlight Alarms

The camera can deter intruders with integrated alarms.

- **Flashlight Alarm:** If enabled, the device will automatically flash its spotlight when motion is detected.
- **Audible Siren:** If enabled, the camera will automatically sound an alert when the motion sensor is triggered.



Image 4.3.1: An illustration of the camera's flashlight and audible siren activating upon detecting a person at night.

4.4 Night Vision

The CQ4 camera offers color night vision capabilities.

- At night, the camera's spotlight activates to provide full-color video.
- The camera provides clear visibility up to 55ft in night vision mode.

IP65 Waterproof



Image 4.4.1: The Vicohome CQ4 camera illuminating an outdoor area at night, demonstrating its color night vision capability.

4.5 Storage Options

The camera supports both local and cloud storage.

- **MicroSD Card:** A built-in slot supports up to 128GB microSD cards (not included) for local storage. 128GB can store approximately 15 months of motion detection recordings.
- **Cloud Storage:** Optional cloud service available from \$4.49/month per camera, offering 60-day cycle recording and AI analytics for detecting vehicles, pets, persons, and packages.



Image 4.5.1: A hand inserting a microSD card into the designated slot on the camera, illustrating the local storage option.

5. MAINTENANCE

5.1 Solar Panel Care

- Regularly wipe the solar panels to remove dust, dirt, or debris, ensuring optimal energy conversion.
- Ensure the solar panel is positioned to receive maximum direct sunlight.
- The optimal charging temperature for the solar panel is 0°C to 45°C (14°F to 113°F). In temperatures below 0°C, the solar panel's power output may be reduced.

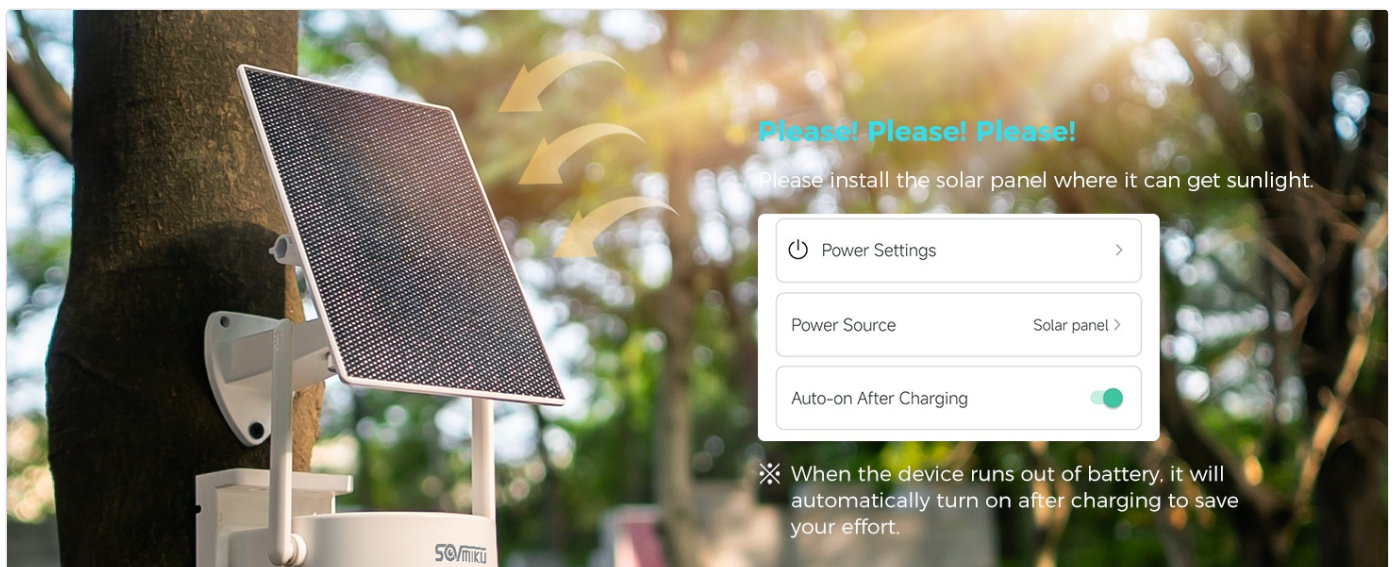


Image 5.1.1: A visual guide for maintaining the solar panel, including cleaning tips and the recommended temperature range for efficient charging.

5.2 Waterproofing

- The CQ4 camera is rated IP65 waterproof, splash, water, and dust resistant under controlled laboratory conditions.
- Ensure the silicone waterproof protective plug for the charging interface is securely in place when installed outdoors.
 - Resistance to water and dust is not a permanent condition and may decrease with normal wear.



Image 5.2.1: The Vicohome CQ4 camera being subjected to water spray, illustrating its IP65 waterproof rating.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Camera not connecting to Wi-Fi	Incorrect Wi-Fi password; 5G Wi-Fi network; camera too far from router.	Ensure correct 2.4G Wi-Fi password. Move camera closer to the router. Confirm router is broadcasting 2.4G Wi-Fi.
Solar panel not charging battery	Insufficient sunlight; dirty panel; low temperature.	Relocate panel to an area with more direct sunlight. Clean the solar panel surface. Ensure operating within optimal temperature range.
Motion detection not working	PIR sensor obstructed; sensitivity settings too low; battery low.	Clear any obstructions from the PIR sensor. Adjust motion detection sensitivity in the app. Ensure camera battery is charged.
Poor video quality	Weak Wi-Fi signal; dirty lens.	Improve Wi-Fi signal strength. Clean the camera lens gently with a soft cloth.
Two-way audio issues	Microphone/speaker obstructed; app volume settings.	Check for obstructions around the microphone and speaker. Adjust volume settings in the Vicohome app.

7. SPECIFICATIONS

Feature	Detail
Model Name	CQ4
Resolution	2K (3MP CMOS Sensor)
Wireless Technology	2.4G Wi-Fi (IEEE 802.11 b/g/n)
Power Source	Solar Powered (Monocrystalline silicon solar panel, up to 23% conversion rate)
Battery	Built-in 9000mAh (2 Lithium Ion batteries included)
Battery Life	Up to 60 days on a full charge (usage dependent)
Pan/Tilt Range	Pan 355°, Tilt 90°
Night Vision	Color Night Vision, up to 55ft
Audio	Two-Way Audio
Motion Detection	PIR Sensor, AI detection (persons, vehicles, pets, packages with cloud service)
Alarms	Audible Siren, Flashlight Alarm
Storage	MicroSD card (up to 128GB, not included), Cloud Storage (subscription required)
Waterproof Rating	IP65
Operating Temperature	-10°C to 45°C (14°F to 113°F)

Feature	Detail
Dimensions (L x W x H)	7 x 5 x 7 inches
Item Weight	2.14 pounds (0.97 Kilograms)

8. WARRANTY AND SUPPORT

8.1 Exchange Policy

The product comes with a 180-day exchange policy. If you are not satisfied with the product, you can submit a request for a solution within 24 hours.

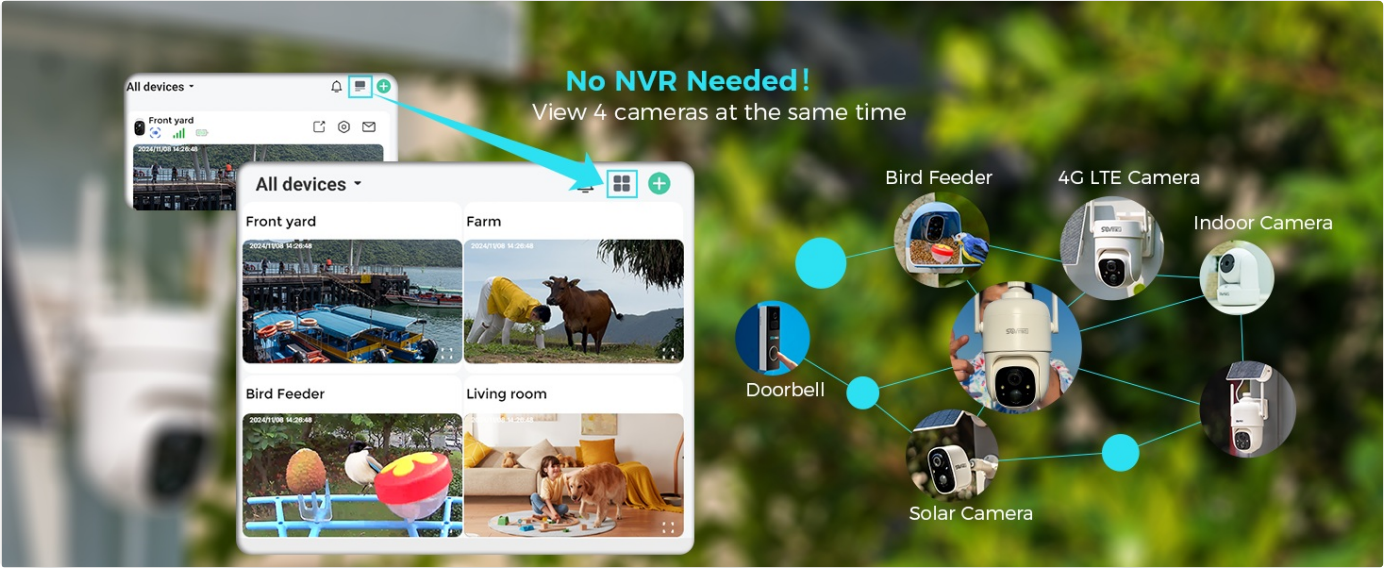


Image 8.1.1: A three-step visual guide for the 180-day exchange policy, showing inspecting the camera, submitting a request via email, and receiving a replacement.

8.2 Customer Support

For technical assistance or further inquiries, please contact SOVMIKU customer support.

- **Email:** Sovmiku@163.com
- **Online Resources:** Visit the [SOVMIKU Store on Amazon](#) for additional product information and FAQs.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

How do I get a replacement battery for the SOVMIKU Vicohome CQ4 solar camera?

The SOVMIKU Vicohome CQ4 camera features a built-in 9000mAh battery (consisting of two lithium-ion batteries). Because the battery is integrated into the unit, it is not typically sold as a standalone user-replaceable part through...

[Read full answer](#)