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SOVMIKU CG6

SOVMIKU 3CG6 2K Solar Security Camera User Manual

Model: CG6

1. PRODUCT OVERVIEW

The SOVMIKU 3CG6 is a 2K wireless outdoor security camera designed for reliable surveillance. It features solar power capabilities, PIR motion detection, two-way audio, and color night vision. The camera operates on 2.4GHz Wi-Fi and supports local storage via an SD card slot, as well as cloud storage options.



Figure 1: SOVMIKU 3CG6 2K Solar Security Camera with solar panel.

Key Features:

- **2K Video Resolution:** Captures clear 3-megapixel images, providing detailed footage.
- **Solar Powered:** Equipped with monocrystalline silicon solar panels for continuous charging, extending battery life up to 50 days on a full charge.
- **PIR Motion Detection:** Passive Infrared Sensor detects warm bodies (humans, animals) to trigger recording and alerts.
- **Two-Way Audio:** Allows for real-time communication through the camera.
- **Audible & Flashlight Siren:** Activates a siren and flashlight upon motion detection for deterrence.
- **Color Night Vision:** Provides enhanced visibility in low-light conditions.
- **IP65 Weather Resistance:** Designed to withstand splashes, water, and dust for outdoor installation.
- **Local & Cloud Storage:** Supports microSD cards up to 128GB and offers optional cloud storage services.
- **Vicohome App Integration:** Manages camera settings, live view, and notifications via the Vicohome application.

2. PACKAGE CONTENTS

Verify that all components are present in the package:

- SOVMIKU 3CG6 Security Camera
- Solar Panel
- Mounting Bracket
- Mounting Screws and Wall Anchors
- USB Charging Cable
- User Manual (this document)

3. SETUP GUIDE

3.1 Initial Charging

Before installation, fully charge the camera using the provided USB cable. This ensures the internal battery is ready for operation, especially if solar charging is initially limited.

3.2 App Installation and Account Creation

1. Download the "Vicohome" app from your smartphone's app store (iOS or Android).
2. Open the app and create a new account or log in if you already have one.

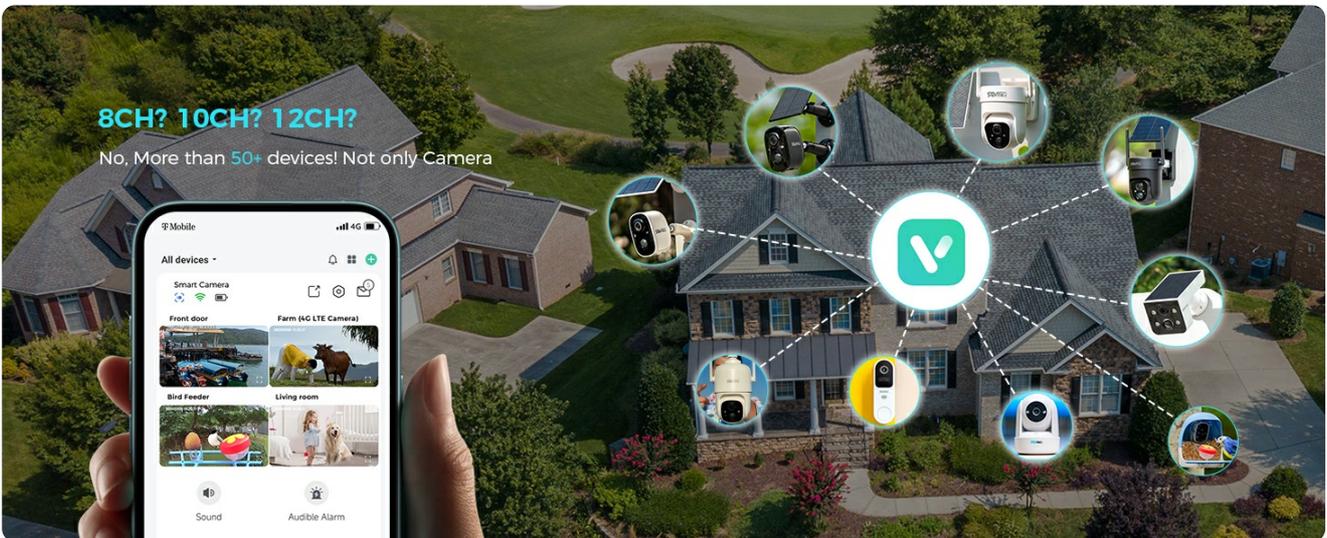


Figure 2: The Vicohome app allows management of multiple devices and simultaneous viewing of up to four cameras.

3.3 Camera Pairing

1. In the Vicohome app, tap the "+" icon to add a new device.
2. Follow the on-screen instructions to connect the camera to your 2.4GHz Wi-Fi network. Ensure your router is within range.
3. The camera supports 2.4GHz Wi-Fi only for optimal range and stability.



Figure 3: Illustration of 2.4GHz Wi-Fi coverage, suitable for security cameras due to its larger range.

3.4 MicroSD Card Installation (Optional)

To enable local recording, install a microSD card (up to 128GB, not included) into the designated slot on the camera. Ensure the camera is powered off before inserting or removing the card.

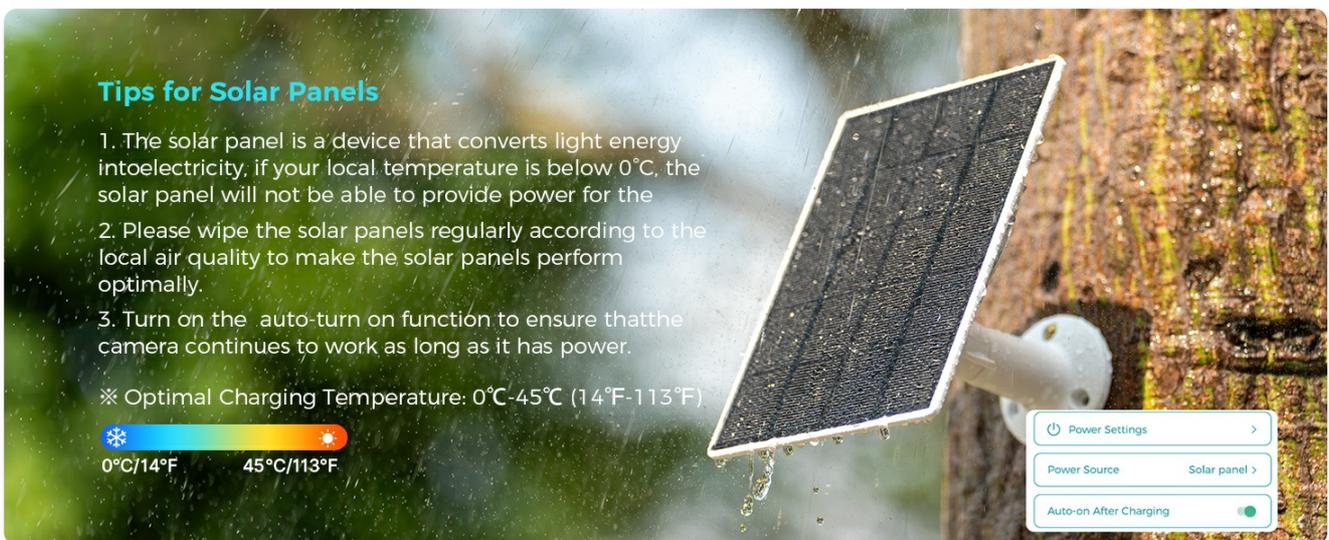
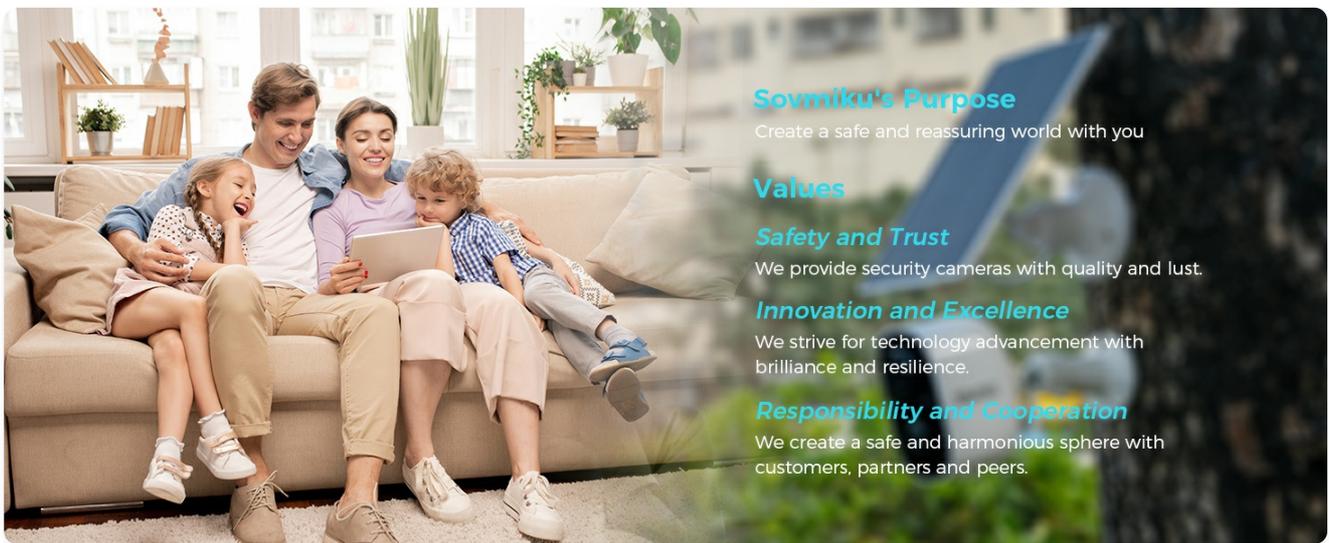


Figure 4: Inserting a microSD card into the camera's slot for local storage.

3.5 Mounting the Camera and Solar Panel

Choose a location that provides a clear view of the area you wish to monitor and receives ample sunlight for the solar panel.

1. Attach the mounting bracket to the desired surface using the provided screws and wall anchors.
2. Secure the camera to the mounting bracket.
3. Mount the solar panel in a location that receives direct sunlight for most of the day.
4. Connect the solar panel cable to the camera's charging port. Ensure the silicone waterproof protective plug is securely in place.



Sovmiku's Purpose

Create a safe and reassuring world with you

Values

Safety and Trust

We provide security cameras with quality and lust.

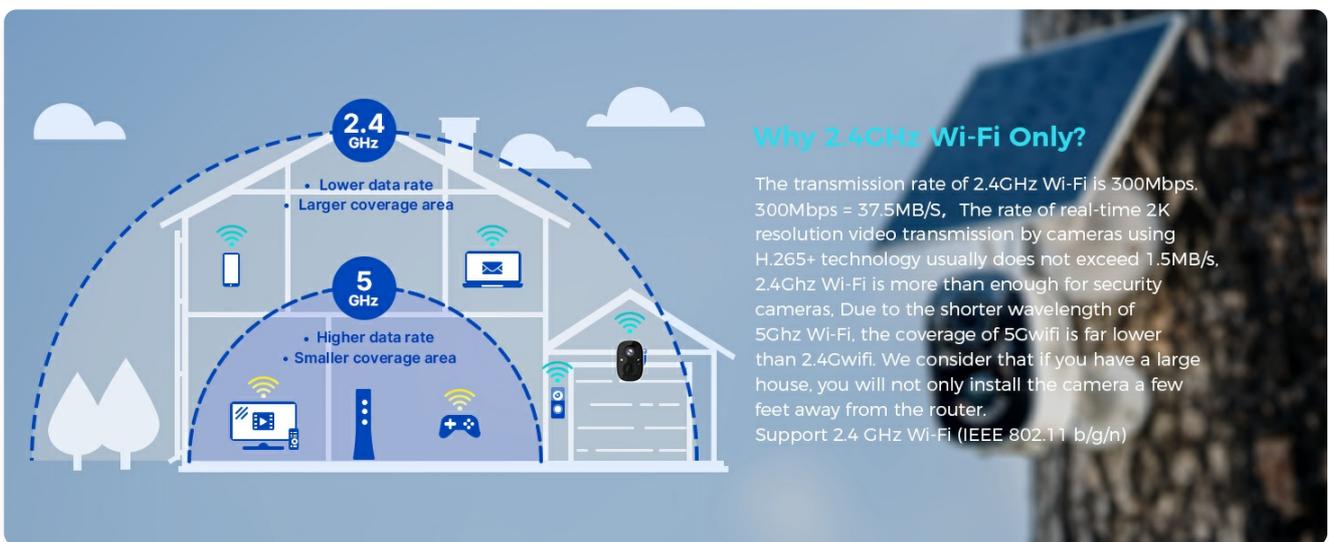
Innovation and Excellence

We strive for technology advancement with brilliance and resilience.

Responsibility and Cooperation

We create a safe and harmonious sphere with customers, partners and peers.

Figure 5: Step-by-step guide for connecting the solar panel to the camera.



Why 2.4GHz Wi-Fi Only?

The transmission rate of 2.4GHz Wi-Fi is 300Mbps. 300Mbps = 37.5MB/S, The rate of real-time 2K resolution video transmission by cameras using H.265+ technology usually does not exceed 1.5MB/s. 2.4Ghz Wi-Fi is more than enough for security cameras. Due to the shorter wavelength of 5Ghz Wi-Fi, the coverage of 5Gwifi is far lower than 2.4Gwifi. We consider that if you have a large house, you will not only install the camera a few feet away from the router. Support 2.4 GHz Wi-Fi (IEEE 802.11 b/g/n)

Figure 6: Visual guide for optimal solar panel placement to maximize sunlight exposure.

4. OPERATING INSTRUCTIONS

4.1 Live View and Recording

Access the Vicohome app to view live footage from your camera. You can manually record video or capture screenshots directly from the live view interface.

4.2 Motion Detection and Alerts

The camera utilizes a Passive Infrared (PIR) sensor for motion detection. When a warm body is detected, the camera activates and begins recording. You will receive push notifications on your smartphone or connected smartwatch.

- **PIR Sensor:** Always active, triggers camera recording within milliseconds of detecting a warm body.
- **Adjustable Sensitivity:** Motion detection sensitivity can be adjusted in the app settings.
- **Alarm Features:** Enable the Flashlight Alarm and Audible Siren in the app to deter intruders upon motion detection.

Figure 7: Example of a motion detection alert displayed on a smartwatch.



Figure 8: The camera's flashlight and audible siren activating upon detecting an intruder.

4.3 Two-Way Audio

Use the two-way audio feature in the Vicohome app to speak through the camera and hear audio from its vicinity.

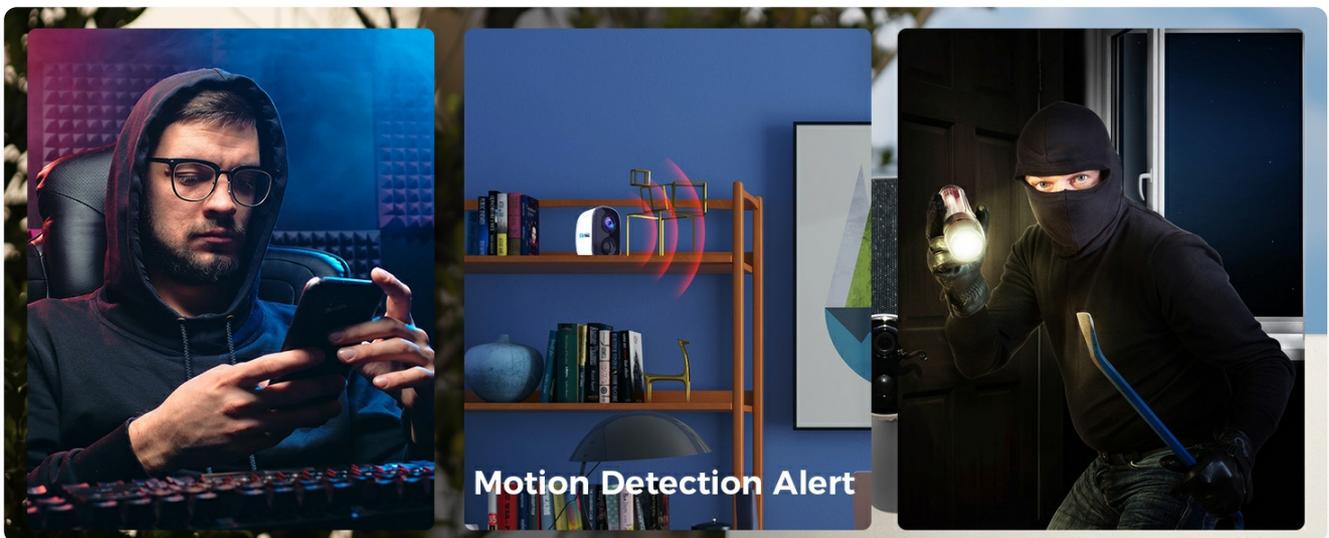


Figure 9: Demonstrating two-way audio communication through the camera.

4.4 Night Vision

The camera features color night vision, providing clearer and more detailed images in low-light conditions compared to traditional black and white night vision.

4.5 Multi-Device and Multi-User Support

The Vicohome app supports connecting up to 50 cameras simultaneously. You can also share camera access with up to 10 different users, with support for three accounts viewing concurrently.



Figure 10: The Vicohome app supports multiple cameras for comprehensive coverage.



Figure 11: Sharing camera access with family members through the app.

5. MAINTENANCE

5.1 Solar Panel Care

To ensure optimal performance and charging efficiency, regularly wipe the solar panels clean. Dust, dirt, and debris can reduce energy conversion. If your local temperature is below 0°C, the solar panel may not provide power effectively.

A composite image showing a solar panel on a camera, a close-up of the panel being cleaned, and a temperature gauge. The solar panel is mounted on a camera, and a hand is shown wiping it with a cloth. The temperature gauge shows a range from 0°C/14°F to 45°C/113°F.

Tips for Solar Panels

1. The solar panel is a device that converts light energy into electricity, if your local temperature is below 0°C, the solar panel will not be able to provide power for the camera.
2. Please wipe the solar panels regularly according to the local air quality to make the solar panels perform optimally.
3. Turn on the auto-turn on function to ensure that the camera continues to work as long as it has power.

※ Optimal Charging Temperature: 0°C-45°C (14°F-113°F)

0°C/14°F 45°C/113°F

Power Settings >
Power Source Solar panel >
Auto-on After Charging

Figure 12: Important tips for maintaining your solar panel's efficiency.

5.2 Weather Resistance

The SOVMIKU 3CG6 camera is rated IP65 for splash, water, and dust resistance. While designed for outdoor use, resistance may decrease over time due to normal wear. Ensure the charging interface's silicone protective plug is always sealed when not charging to maintain water resistance.

6. TROUBLESHOOTING

- **Camera not connecting to Wi-Fi:**

- Ensure your Wi-Fi network is 2.4GHz. The camera does not support 5GHz Wi-Fi.
- Check that the camera is within range of your Wi-Fi router.
- Verify the Wi-Fi password entered in the app is correct.
- Restart your router and the camera, then attempt pairing again.

- **Poor video quality:**

- Check your Wi-Fi signal strength at the camera's location. A weak signal can affect streaming quality.
- Ensure the camera lens is clean and free from obstructions.
- In the app settings, verify the recording resolution is set to 2K if available.

- **Battery not charging via solar panel:**

- Ensure the solar panel is positioned to receive direct sunlight for several hours daily.
- Clean the surface of the solar panel to remove any dirt or debris.
- Check the connection cable between the solar panel and the camera for damage or loose connections.
- Note that solar charging efficiency decreases significantly in temperatures below 0°C (32°F).

- **Motion detection not working or too sensitive:**

- Adjust the motion detection sensitivity in the Vicohome app settings.
- Ensure there are no objects (e.g., tree branches, flags) that might cause false alarms due to movement in the detection zone.
- Verify the PIR sensor is not obstructed.

7. SPECIFICATIONS

Feature	Detail
Model Name	3CG6
Video Capture Resolution	2K (3 Megapixels)
Connectivity Technology	Wireless (2.4GHz Wi-Fi)
Power Source	Solar Powered, Battery (5200 mAh)
Indoor/Outdoor Usage	Outdoor
Special Features	2-Way Audio, PIR Motion Detection, Audible Flashlight Siren, Color Night Vision

Feature	Detail
International Protection Rating	IP65
Storage	MicroSD Card (up to 128GB), Cloud Storage (optional)
Frame Rate	25 frames per second
Dimensions (L x W x H)	3.14 x 2.3 x 2 inches
Item Weight	4 pounds (1.82 Kilograms)
Operating Temperature	-20°C to 50°C (-4°F to 122°F)

8. WARRANTY AND SUPPORT

SOVMIKU is committed to providing excellent customer service. If you encounter any issues or have questions regarding your 3CG6 security camera, please contact us.

- **Customer Support:** You can reach us by telephone or email. We aim to respond to all email inquiries within 12 hours.
- **Exchange Policy:** We offer a 180-day exchange policy. If you are not satisfied with your product, you may submit a request for an exchange within 180 days of purchase.



Figure 13: Information regarding the 180-day exchange policy.