

NICGIGA CG7S

NICGIGA CG7S Solar-Powered Wireless Outdoor Security Camera User Manual

Model: CG7S

1. INTRODUCTION

Thank you for choosing the NICGIGA CG7S Solar-Powered Wireless Outdoor Security Camera. This manual provides detailed instructions for the installation, operation, and maintenance of your security camera. Please read this manual thoroughly before use and retain it for future reference.

The NICGIGA CG7S is a 1080P HD WiFi bullet camera designed for outdoor home surveillance. It features AI PIR motion detection, spotlight color night vision, two-way audio, and is powered by a solar panel for continuous operation. The camera is IP66 waterproof, ensuring reliable performance in various weather conditions.

2. PRODUCT OVERVIEW

2.1 Package Contents

- NICGIGA CG7S Security Camera
- Solar Panel
- Mounting Bracket and Screws
- USB Charging Cable
- User Manual

2.2 Key Features

- **100% Wire-Free & Solar Powered:** Operates continuously with power from the integrated solar panel and built-in battery.
- **1080P HD Video:** Provides clear high-definition video day and night.

- **AI PIR Motion Detection:** Advanced detection of people, pets, vehicles, and packages with instant alerts.
- **Spotlight Color Night Vision:** Activates a spotlight for full-color video recording in low-light conditions.
- **Two-Way Audio:** Built-in microphone and speaker for real-time communication.
- **IP66 Waterproof:** Designed for outdoor use, resistant to dust and water.
- **Local & Cloud Storage:** Supports Micro SD card storage and cloud storage options.
- **2.4GHz WiFi Connectivity:** Connects to your home WiFi network for remote access.

100% Wire-Free with Non-Stop Power

Battery-Rowered Solar Powered 2.4GHz WiFi



Image: The NICGIGA CG7S camera with its solar panel, highlighting its wire-free and solar-powered design for continuous operation.

3. SETUP

3.1 Charging the Camera

Before initial use, fully charge the camera's internal battery using the provided USB cable. Connect the USB cable to the camera's charging port and a standard 5V/1A USB power adapter (not included). The charging

indicator light will show the charging status.

3.2 App Installation and Account Creation

1. Download the "Vicohome" app from your smartphone's app store (iOS App Store or Google Play Store).
2. Open the app and follow the on-screen instructions to create a new account or log in if you already have one.

3.3 Adding the Camera to the App

1. Ensure your smartphone is connected to a 2.4GHz Wi-Fi network. The camera does not support 5GHz Wi-Fi.
2. Open the Vicohome app and tap the "+" icon to add a new device.
3. Select your camera model (CG7S) from the list.
4. Follow the in-app instructions to power on the camera and scan the QR code displayed on your phone with the camera lens.
5. Once connected, name your camera and complete the setup process.

3.4 Mounting the Camera and Solar Panel

Choose a location that provides a clear view of the area you wish to monitor and receives ample direct sunlight for the solar panel. The camera is designed for outdoor use and is IP66 waterproof.

Built For the Outdoors

IP66

Waterproof

-10 °C ~ 45 °C

Operating Temperature



Image: The NICGIGA CG7S camera and solar panel shown in rainy conditions, emphasizing its IP66 waterproof rating and suitability for outdoor environments with an operating temperature range of -10°C to 45°C.

1. Mark the drilling positions on the wall using the mounting bracket as a template.
2. Drill holes and insert wall anchors if necessary.
3. Secure the mounting bracket to the wall with screws.
4. Attach the camera and solar panel to their respective brackets.
5. Adjust the angle of the camera to cover the desired area and position the solar panel to maximize sun

exposure.

6. Connect the solar panel cable to the camera's charging port.

4. OPERATING THE CAMERA

4.1 Live View and Playback

- Open the Vicohome app and select your camera to view the live feed.
- Use the playback function to review recorded events stored on the Micro SD card or cloud.

4.2 Smart Motion Detection (AI PIR)

The camera uses AI-enhanced PIR motion detection to identify specific objects and reduce false alarms.

Smart Motion Detection

Keep watch over areas of your home
and send timely with video to you



Image: The NICGIGA CG7S camera actively monitoring a home's exterior, demonstrating its smart motion detection capabilities by identifying a family and sending an instant alert to a smartphone.

- **Enable/Disable Motion Detection:** Access camera settings in the app to turn motion detection on or off.
- **Adjust Sensitivity:** Modify the PIR sensitivity to suit your environment and minimize unwanted triggers.
- **Receive Alerts:** When motion is detected, the camera will send an instant notification to your phone and record the event.

4.3 Two-Way Audio

Communicate with visitors or deter intruders using the camera's two-way audio feature.

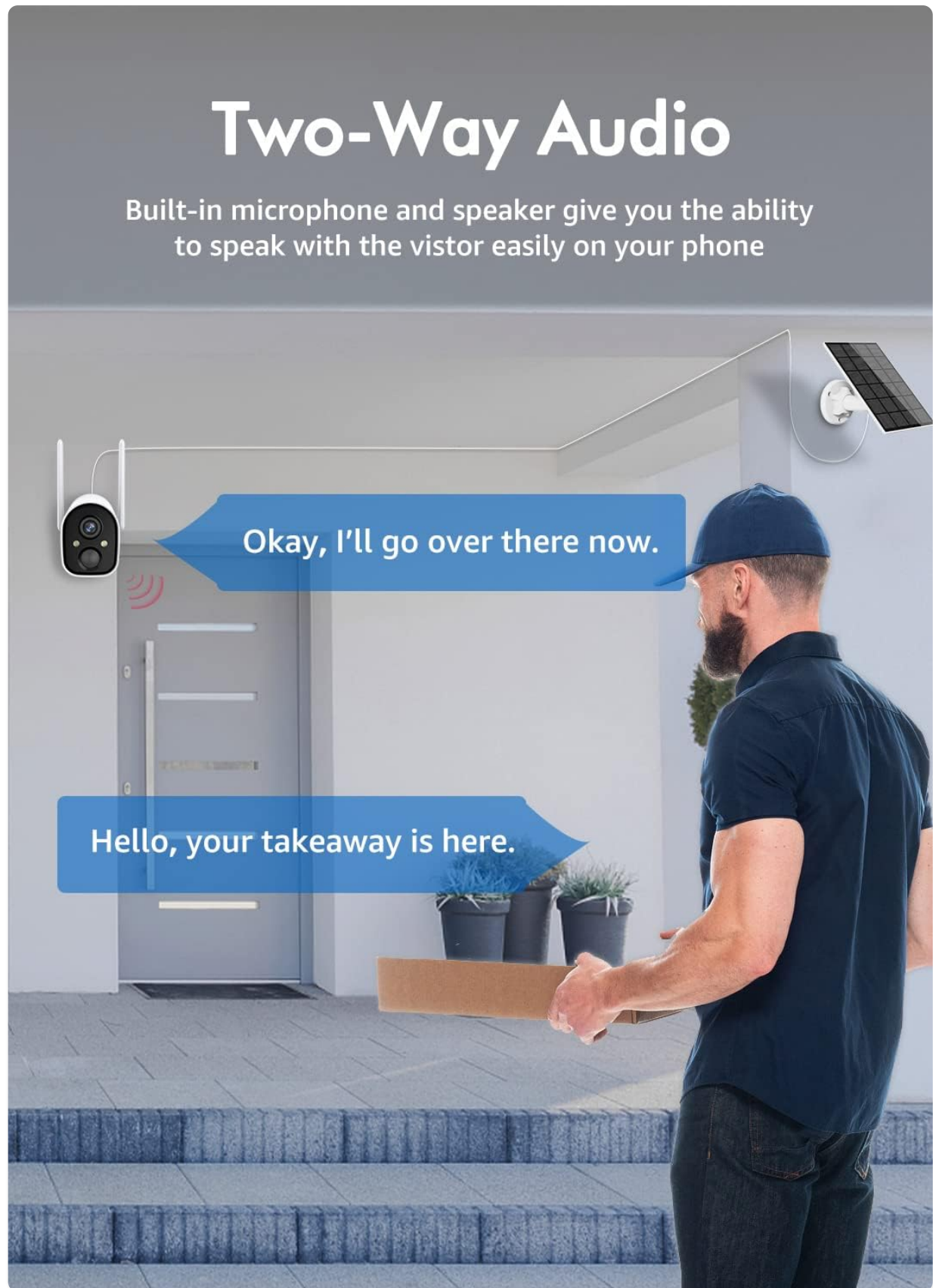


Image: A visual representation of the two-way audio function, showing a person at the door communicating with someone via the NICGIGA CG7S camera and a smartphone.

- Tap the microphone icon in the live view interface to speak through the camera's speaker.
- The camera's built-in microphone will capture audio from the monitored area.

4.4 Spotlight Color Night Vision

The camera provides clear vision even in complete darkness, with the option for full-color night vision.

1080P HD Day & Night



Image: A comparison demonstrating the NICGIGA CG7S camera's 1080P HD night vision, showing a clear color image with the spotlight on and a black and white image with the spotlight off.

- The camera automatically switches to night vision mode in low light.
- The integrated spotlight can be activated manually or set to trigger upon motion detection for color night vision.

5. MAINTENANCE

5.1 Solar Panel Efficiency

Regularly check the solar panel for dirt, dust, or obstructions (e.g., leaves, snow) that may reduce its charging efficiency. Clean the panel gently with a soft, damp cloth as needed.

5.2 Camera Lens Cleaning

To ensure optimal image quality, periodically clean the camera lens with a soft, lint-free cloth. Avoid using harsh chemicals or abrasive materials.

5.3 Battery Management

The camera's battery is designed for long-term use. If the camera is installed in an area with insufficient sunlight, occasional manual charging via the USB port may be required, especially during prolonged cloudy periods or winter months.

6. TROUBLESHOOTING

6.1 Camera Not Connecting to Wi-Fi

- Ensure your Wi-Fi network is 2.4GHz. The camera does not support 5GHz Wi-Fi.
- Check Wi-Fi signal strength at the camera's location. Move the camera closer to the router if necessary.
- Verify that the Wi-Fi password entered in the app is correct.
- Restart your router and the camera.

6.2 Poor Image Quality

- Clean the camera lens.
- Ensure there are no obstructions in front of the lens.
- Check your Wi-Fi connection speed; a weak signal can affect streaming quality.

6.3 Motion Detection Not Working or Too Many False Alarms

- Adjust the PIR motion detection sensitivity in the app settings.
- Ensure the camera is positioned correctly to cover the desired area without excessive background movement (e.g., swaying trees).
- Verify that motion detection is enabled in the app.

6.4 Battery Not Charging

- Ensure the solar panel is clean and receives direct sunlight for several hours daily.
- Check the connection between the solar panel and the camera.
- If solar charging is insufficient, manually charge the camera via USB.

7. SPECIFICATIONS

Feature	Specification
Model Number	CG7S

Feature	Specification
Brand	NICGIGA
Resolution	1080P HD (1920x1080 pixels)
Connectivity	2.4GHz Wi-Fi (IEEE 802.11b/g/n)
Power Source	Solar Powered, Built-in Lithium-ion Battery
Waterproof Rating	IP66
Motion Detection	AI PIR Human/Pet/Vehicle/Package Detection
Night Vision	Spotlight Color Night Vision, IR Night Vision
Audio	Two-Way Audio (Built-in Mic & Speaker)
Storage	Micro SD Card (up to 128GB, not included), Cloud Storage (subscription required)
Operating Temperature	-10°C to 45°C (14°F to 113°F)
Dimensions (L x W x H)	7.3 x 8 x 11.3 cm
Weight	840 grams
Compatible Devices	Smartphone (iOS, Android)
Controller Type	Vicohome App

8. WARRANTY AND SUPPORT

NICGIGA products come with a standard manufacturer's warranty. Please refer to the product packaging or the official NICGIGA website for specific warranty terms and conditions.

For technical support, troubleshooting assistance, or warranty claims, please contact NICGIGA customer service through the contact information provided on the official website or within the Vicohome app.

Website: www.nicgiga.com

Note: The website link provided is an example. Please refer to your product packaging or purchase platform for official support channels.