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› NGTeco Solar Security Camera C5300S User Manual

NGTeco C5300S

NGTeco Solar Security Camera C5300S User Manual

Model: C5300S

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your NGTeco Solar Security Camera, model C5300S. Please read this manual thoroughly before using the product to ensure proper functionality and safety.



Image: NGTeco Solar Security Camera with its accompanying solar panel, designed for outdoor surveillance.

2. WHAT'S IN THE BOX

Verify that all components are present in the package:

- Camera x 1
- Solar panel x 1
- Bracket x 1
- Mounting kit x 1
- USB charging cable x 1
- User manual x 1

3. PRODUCT FEATURES

- **2.5K (4MP) FHD Color Night Vision:** Provides clear video monitoring and recording, even in low-light conditions.
- **Solar Powered & 100% Wireless:** Utilizes a 5W solar panel for continuous power, supplemented by a 5000mAh rechargeable battery for extended standby time up to 12 months.
- **Smart PIR Motion Detection:** Advanced passive infrared sensing technology filters and sends real-time notifications to the mobile application. PIR sensitivity is adjustable (Low/Medium/High).
- **2.4G Stable WiFi Network:** Supports 2.4GHz Wi-Fi for easy and stable connectivity.
- **IP65 Waterproof:** Designed for outdoor use, resistant to rain, heat, and extreme cold (14°F ~ 113°F).

- **Privacy Protection & Cloud Service:** Encrypted data ensures privacy. Includes a 30-day free trial of cloud service with intelligent notifications for humans, pets, and vehicles.
- **2-Way Talk:** Enables two-way audio communication.
- **Compatibility:** Works with Amazon Alexa and Google Assistant, and is controlled via the NGTeco Home APP.



4MP(2.5K) Full High Definition Video

Image: Visual comparison demonstrating the superior clarity of 4MP (2.5K) Full High Definition video compared to 720P.

3 Power Supply Modes

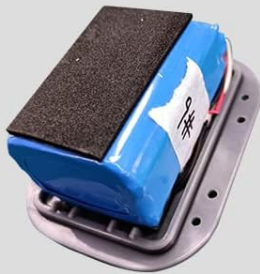


5W Solar Panel

Suitable for Outdoor Use
It can be mounted on the wall

DV 5V 1.5A USB Charger Cable

Suitable for Indoor use



5000mA Battery

Totally Achieve Wire-free
It can be mounted on the Tree

Image: Illustration of the three power supply modes: 5W Solar Panel for outdoor use, DV 5V 1.5A USB Charger Cable for indoor use, and a 5000mAh Battery for wire-free operation.



Color Night Vision

Image: Comparison showing Color Night Vision (with spotlight on) and Infrared Night Vision (with spotlight off) capabilities.

4. SETUP AND INSTALLATION

Follow these steps for initial setup and installation:

1. **Charge the Battery:** Before initial use, fully charge the camera's internal 5000mAh battery using the provided USB charging cable.
2. **Download the App:** Download the "VicoHome" application from your smartphone's app store (available for iOS and Android).
3. **Create an Account:** Open the VicoHome app and follow the on-screen instructions to create a new user account.
4. **Add Device:** In the app, select "Add Device" and follow the prompts to connect your NGTeco camera to your 2.4G Wi-Fi network. Ensure your Wi-Fi signal is strong at the installation location.
5. **Mount the Camera:**
 - Choose an outdoor location with good Wi-Fi coverage and direct sunlight exposure for the solar panel.
 - Use the provided bracket and mounting kit to securely attach the camera and solar panel to a wall or

other suitable surface. The camera can also be mounted on a tree.

- Adjust the angle of the solar panel to maximize sunlight absorption.



Quickly install with no wiring needed

Image: A person demonstrating the quick and wire-free installation of the NGTeco camera on an outdoor wall.

Quickly Install. No Wiring.



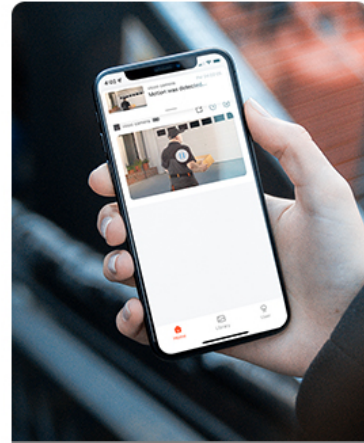
Step 1

Download VicoHome App.



Step 2

Fully charge and follow the steps to connect to Wi-Fi.



Step 3

Now you're ready to protect.

Image: Visual guide showing three quick installation steps: Download VicoHome App, Fully charge and connect to Wi-Fi, and Ready to protect.

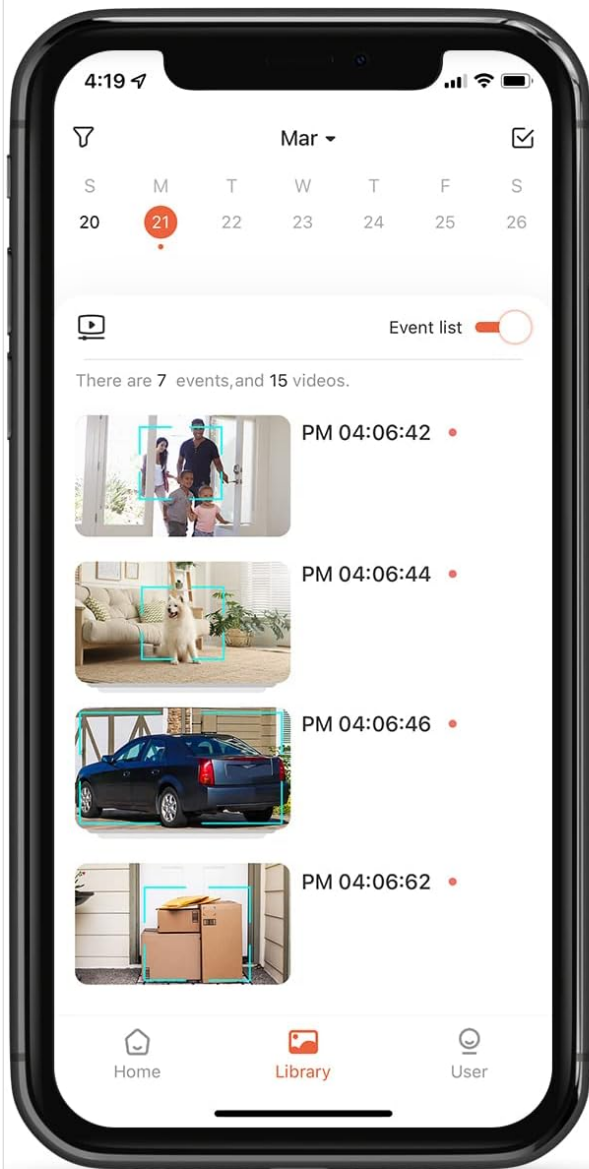
5. OPERATING INSTRUCTIONS

5.1 Live View and Recording

Access the VicoHome app to view live footage from your camera. Recordings are triggered by motion detection and stored in the cloud (with subscription) or on a local storage option if available (check product specifications for microSD card slot).

5.2 Motion Detection and Alerts

The camera uses PIR motion detection to identify movement. When motion is detected, you will receive real-time notifications on your smartphone. Adjust PIR sensitivity in the app settings (Low, Medium, High) to optimize detection and reduce false alarms.

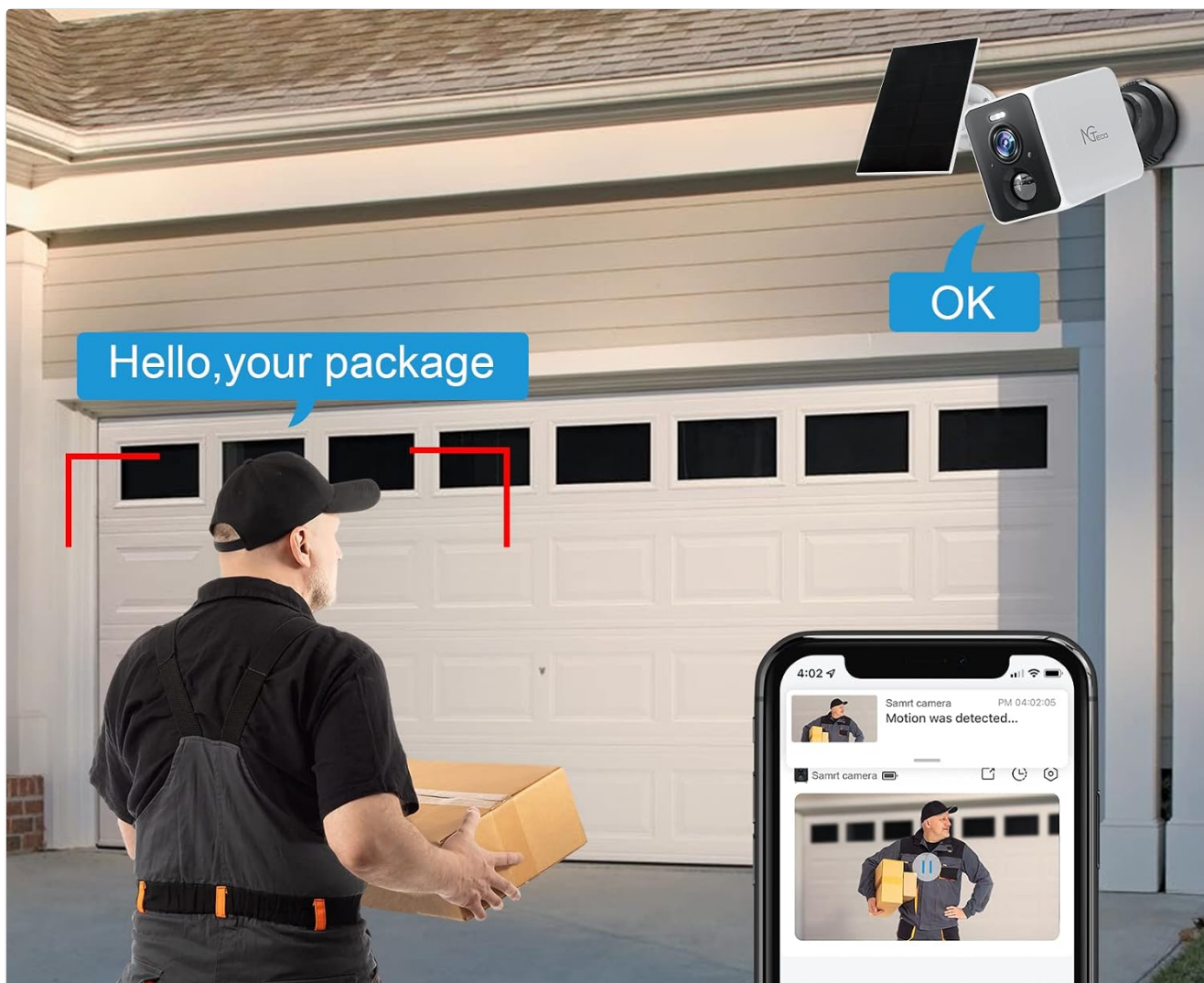


Smart AI Recognition with Behavior Analysis (30-Day Free Use)

Image: A smartphone displaying the VicoHome app interface with a list of smart AI recognition events, including detection of humans, pets, and vehicles.

5.3 Two-Way Audio

Use the two-way talk feature in the VicoHome app to communicate with individuals near the camera. Tap the microphone icon in the live view to speak, and listen through the camera's speaker.



Two way Audio for live communication

Superior Video quality with Resolution 2.5K

Image: A delivery person interacting with the camera's two-way audio feature, with a smartphone displaying the app interface for communication.

5.4 Night Vision Modes

The camera supports both Color Night Vision (when the spotlight is active) and Infrared Night Vision for clear visibility in dark conditions. These modes automatically activate based on ambient light.



Image: A smartphone screen showing three views: 4MP HD during the day, Full Color Night Mode, and Infrared Mode at night.

5.5 Smart Home Integration

The NGTeco Solar Security Camera is compatible with Amazon Alexa and Google Assistant. Follow the instructions in your smart home app to link your NGTeco account and enable voice commands for viewing camera feeds.

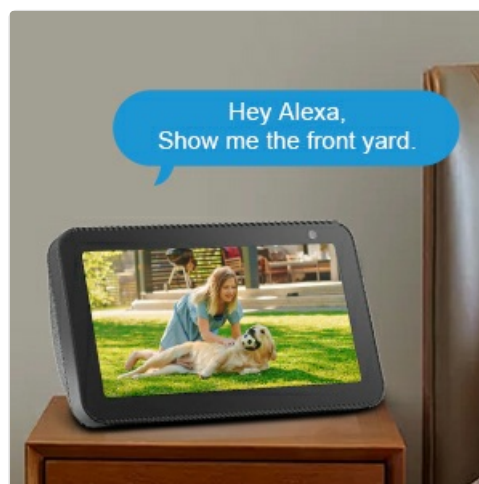


Image: An Amazon Echo Show displaying the camera feed, demonstrating compatibility with Alexa.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your camera:

- **Clean the Lens:** Periodically wipe the camera lens with a soft, clean cloth to remove dust, dirt, or water spots that may affect image clarity.
- **Solar Panel Cleaning:** Ensure the solar panel is free from debris, leaves, or heavy dust to maintain efficient charging. Clean it gently with a damp cloth as needed.
- **Check Mounting:** Regularly inspect the mounting bracket and screws to ensure the camera remains securely

attached, especially after strong winds or storms.

- **Software Updates:** Keep the VicoHome app updated to the latest version to benefit from new features and security enhancements.

7. TROUBLESHOOTING

If you encounter issues with your NGTeco Solar Security Camera, refer to the following common solutions:

Problem	Possible Solution
Camera not connecting to Wi-Fi	◦ Ensure you are connecting to a 2.4GHz Wi-Fi network. ◦ Verify the Wi-Fi password is correct. ◦ Move the camera closer to the Wi-Fi router to improve signal strength. ◦ Restart your Wi-Fi router and the camera.
Poor image quality	◦ Clean the camera lens. ◦ Ensure there are no obstructions in the camera's field of view. ◦ Check Wi-Fi signal strength; a weak signal can affect streaming quality.
Battery not charging	◦ Ensure the solar panel is clean and receiving direct sunlight. ◦ Check the connection between the solar panel and the camera. ◦ If using USB, ensure the cable and power adapter are functioning correctly.
Motion detection not working or too many false alarms	◦ Adjust the PIR sensitivity settings in the VicoHome app (Low/Medium/High). ◦ Ensure the camera's field of view is clear of moving objects like tree branches or flags that might trigger false alarms. ◦ Check the detection zone settings in the app.

If the problem persists, please contact NGTeco technical support for further assistance.

8. SPECIFICATIONS

Feature	Detail
Model Number	C5300S
Indoor/Outdoor Usage	Outdoor
Video Capture Resolution	4 MP (2.5K FHD)
Power Source	Solar Powered and Battery Powered

Feature	Detail
Battery Capacity	5000 mAh Lithium Polymer (included)
Connectivity Protocol	Wi-Fi (2.4G)
Wireless Communication Technology	Wi-Fi
Compatible Devices	Alexa, Google Assistant, NGTeco Home APP
Controller Type	Amazon Alexa
Mounting Type	Wall Mount
International Protection Rating	IP65
Operating Temperature	14°F ~ 113°F (-10°C ~ 45°C)
Item Dimensions (L x W x H)	2.85 x 2.3 x 3.27 inches
Item Weight	1.72 pounds
Special Features	2.5KHD, 2-Way Talk, Motion Detection, IP65 Waterproof, Solar Panel

9. WARRANTY AND SUPPORT

NGTeco provides Free Lifetime USA Technical Support for this product. If you require assistance, please contact our support team:

- **Phone Support:** Available Monday to Friday, 6:00 am to 6:00 pm (EST).
- **Email Support:** Available for inquiries outside of phone support hours.

Refer to the contact information provided in your product packaging or on the official NGTeco website for specific phone numbers and email addresses.