

CAMSTRO I71GT

CAMSTRO 2K 3MP Solar Security Camera Wireless Outdoor (Model I71GT) - User Manual

Model: I71GT | Brand: CAMSTRO

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your CAMSTRO 2K 3MP Solar Security Camera (Model I71GT). Please read this manual thoroughly before using the product to ensure correct usage and optimal performance. Keep this manual for future reference.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact CAMSTRO customer support.

Image 2.1: Package Contents Overview

- 1 x CAMSTRO 2K 3MP PTZ Camera Body
- 1 x Solar Panel
- 1 x Mounting Kit (screws, anchors, solar panel bracket)
- 1 x USB Type-C Charging Cable
- 1 x Operation Instruction Manual (this document)

3. PRODUCT OVERVIEW

The CAMSTRO 2K 3MP Solar Security Camera is a wireless, battery-powered outdoor camera featuring 360° pan and tilt capabilities, 3MP resolution, color night vision, and two-way audio. It is designed for continuous surveillance with power supplied by an integrated solar panel.



Image 3.1: CAMSTRO 2K 3MP Solar Security Camera and Solar Panel

Key Features:

- **2K (3MP) Resolution:** Provides clear and detailed video footage.
- **Solar Powered:** Equipped with a 3W solar panel and 5200mAh rechargeable battery for continuous operation.
- **360° PTZ Control:** 355° horizontal pan and 90° vertical tilt for comprehensive coverage.
- **Color Night Vision:** Built-in IR lights and white lights for clear night vision up to 33ft, including full-color mode.
- **Two-Way Audio:** Integrated microphone and speaker for real-time communication.
- **Smart Motion Detection:** Customizable human motion detection zones to reduce false alarms.
- **Wi-Fi 6 Connectivity:** Enhanced stability and efficiency for wireless connection (2.4GHz only).
- **Local & Cloud Storage:** Supports Micro SD card (up to 128GB, not included) and cloud storage options.
- **Weather Resistant:** IP66 rated for outdoor use in various weather conditions (-4°F to 122°F).
- **Smart Home Integration:** Compatible with Alexa and Google Assistant.

4. SETUP

4.1 Initial Charging

Before installation, fully charge the camera using the provided USB Type-C cable and a standard 5V/2A USB power adapter (not included). This ensures the battery has sufficient power for initial setup and operation, especially if solar charging is limited initially.

4.2 App Installation

The CAMSTRO camera operates via the CloudEdge app. Download the app from your device's app store.

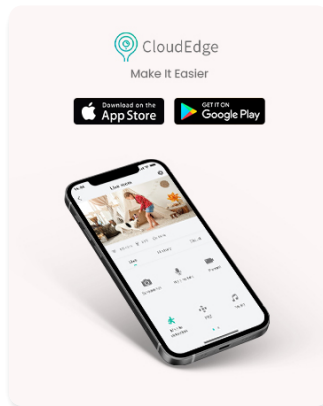


Image 4.1: CloudEdge App Download

1. Search for "CloudEdge" in the Apple App Store (for iOS devices) or Google Play Store (for Android devices).
2. Download and install the app.
3. Register for a new account or log in if you already have one.

4.3 Camera Pairing and Wi-Fi Connection

Follow these steps to connect your camera to the CloudEdge app and your home Wi-Fi network.

Secure in 3 Steps

A white CAMSTRO solar camera is mounted on a wooden fence post. A small solar panel is attached to the side of the camera. The background shows a green field with cows.

Step 1
Install Solar Camera

A hand holds a smartphone displaying the CloudEdge app's "Select Device" screen. The screen shows a list of nearby devices and a "Connect Bluetooth" button. A notification at the bottom says "It is recommended to turn on Bluetooth".

Step 2
Go Bluetooth(Only 2.4Ghz)

A hand holds a smartphone displaying the CloudEdge app's main interface. The screen shows a live camera feed of cows in a field. A hand is shown interacting with a circular control overlay on the right side of the screen.

Step 3
Control with CloudEdge APP

Image 4.2: Secure in 3 Steps

1. Open the CloudEdge app and tap the "+" icon to add a new device.
2. Select your camera model from the list.
3. Power on the camera. The camera will enter pairing mode, indicated by a flashing LED.
4. The app will guide you to connect to the camera via Bluetooth for initial setup. Ensure Bluetooth is enabled on your

smartphone.

5. Select your **2.4GHz Wi-Fi network** and enter the password. **Note:** The camera only supports 2.4GHz Wi-Fi. 5GHz networks are not compatible.
6. Follow the on-screen prompts to complete the connection. Once connected, the camera's LED will turn solid blue.

4.4 Mounting the Camera and Solar Panel

Choose a suitable location for your camera and solar panel. For optimal solar charging, the solar panel should receive direct sunlight for several hours a day.

Solar Powered Plus

↑30%

Charge Efficiency

365 Days

Constant Energy



Camstro

3W Solar Panel



Others

1.5W Solar Panel



Image 4.3: Recommended Solar Panel Placement

1. **Camera Placement:** Mount the camera at a height of 7-10 feet (2-3 meters) for optimal detection range and field of view. Ensure the camera has a clear line of sight to the area you wish to monitor.
2. **Solar Panel Placement:** Position the solar panel in an area that receives maximum direct sunlight throughout the day. Use the included mounting bracket and screws to secure it.
3. **Connect Solar Panel:** Connect the solar panel cable to the charging port on the camera. Ensure the connection is secure and the waterproof cap is properly sealed.

4. **Adjust Angle:** Adjust the camera and solar panel angles as needed to achieve the desired coverage and charging efficiency.

5. OPERATING THE CAMERA

5.1 Live View and PTZ Control

Access the live feed and control the camera's movement through the CloudEdge app.



Image 5.1: Smart Pan & Tilt Functionality

- Open the CloudEdge app and select your camera from the device list.
- The live video feed will appear.
- Use the on-screen joystick or directional controls to pan (355° horizontally) and tilt (90° vertically) the camera.
- Digital zoom is available by pinching the screen.

5.2 Two-Way Audio

Communicate with visitors or deter intruders using the camera's built-in microphone and speaker.

- While in live view, tap the microphone icon in the app.
- Speak into your smartphone's microphone. Your voice will be broadcast through the camera's speaker.
- Release the microphone icon to listen to audio from the camera's surroundings.

5.3 Motion Detection and Alerts

Configure motion detection settings to receive alerts for activity in monitored areas.

Human Motion True Detection

Advanced PIR motion detection and adjustable sensitivity ensures higher accuracy and fewer false alarms. (Pay to unlock pet/vehicle/package recognition)

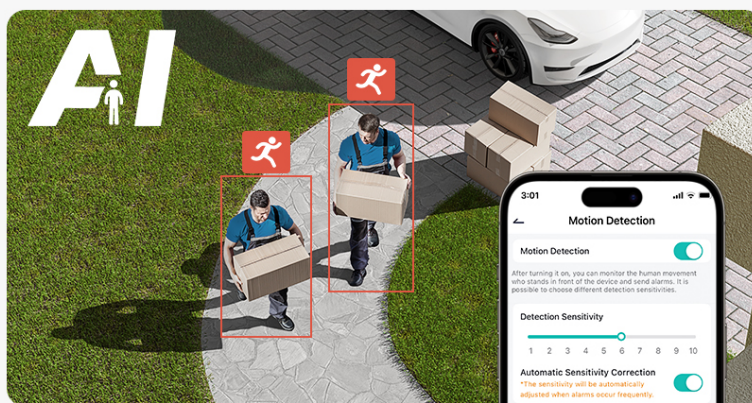


Image 5.2: Human Motion Detection

Customize Motion Zones (Up to 6 Areas)

Only Receive Alerts from These Zones, Minimizing Unnecessary Alarms.

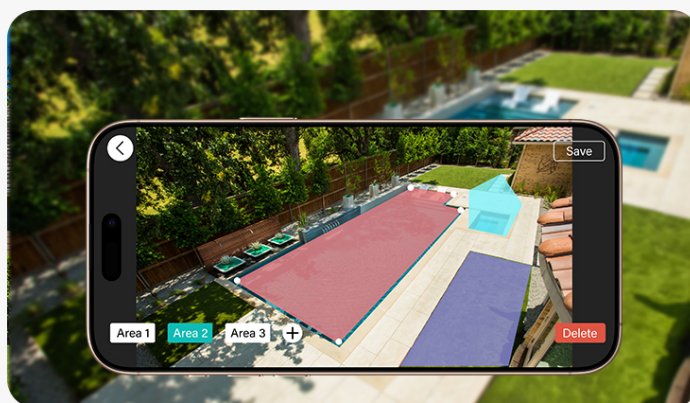


Image 5.3: Customizable Motion Zones

- In the app, navigate to the camera settings.
- Enable "Human Motion Detection" to focus on human shapes and reduce false alarms from animals or swaying branches.
- **Customize Motion Zones:** Define specific areas within the camera's view where you want motion to be detected. Up to 6 areas can be set.
- Adjust the motion detection sensitivity level as needed.
- Enable push notifications to receive instant alerts on your smartphone when motion is detected.

5.4 Night Vision Modes

The camera offers both infrared (IR) black and white night vision and full-color night vision.

Auto-Switch, Efficient & Practical

Built-in Lights, 33ft Color Vision Activated by Night Motion



Image 5.4: Night Vision Modes: Color vs. IR

- **IR Night Vision:** Automatically activates in low light conditions, providing clear black and white video.
- **Color Night Vision:** When motion is detected at night, the built-in white lights can activate to provide full-color video footage. This setting can be configured in the app.

5.5 Storage Options

The camera supports local storage via a Micro SD card and cloud storage.



Lifetime Free 6S Storage

Max 128GB Micro SD Card (Not Included)



Image 5.5: Storage Options

- **Micro SD Card:** Insert a Micro SD card (up to 128GB, Class 10 or higher recommended, not included) into the designated slot on the camera. The camera will automatically record events to the card.
- **Cloud Storage:** CAMSTRO offers cloud storage services, including 6 seconds of free playback for detected events. Subscription plans are available for extended recording and storage.

5.6 Alarm Functions

The camera can activate a sound and light alarm to deter unwanted visitors.

“Get Out Here!”

Sound & Light Alarm with Built-in Speaker and Mic to Deter Unwanted Visitors.

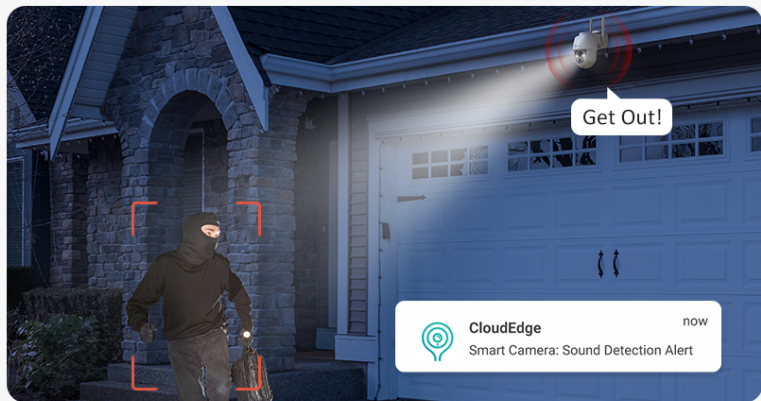
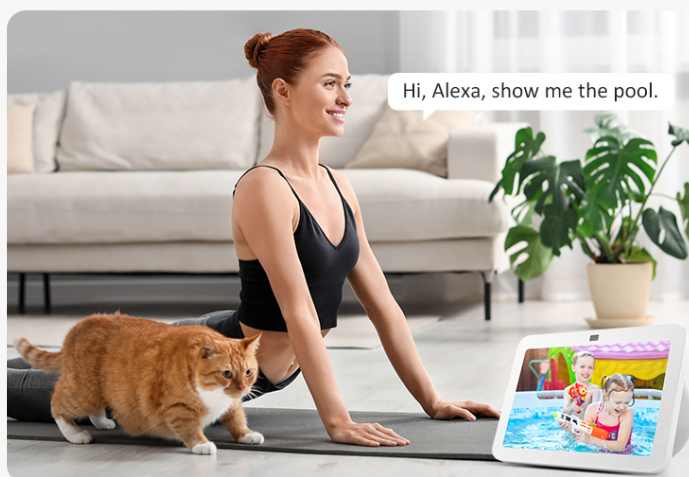


Image 5.6: Sound & Light Alarm in Action

- In the app, you can manually trigger a siren and spotlight from the live view interface.
- These alarms can also be set to activate automatically upon motion detection in the camera settings.

5.7 Smart Home Integration

Integrate your CAMSTRO camera with voice assistants for convenient control.



Voice Across the Yard

Real-time Chat, Secure and Connected.



Image 5.7: Alexa and Google Assistant Compatibility

- The camera is compatible with Amazon Alexa and Google Assistant.
- Follow the instructions in the CloudEdge app or your smart assistant's app to link your CAMSTRO account.
- Once linked, you can use voice commands to view your camera feed on compatible smart displays (e.g., "Alexa, show me the front door camera").

6. MAINTENANCE

6.1 Cleaning

- Regularly clean the camera lens and solar panel surface with a soft, damp cloth to remove dust, dirt, or debris. This ensures clear image quality and efficient solar charging.
- Do not use harsh chemicals or abrasive cleaners.

6.2 Battery Care

- Ensure the solar panel is positioned to receive maximum sunlight to keep the battery charged.
- In periods of prolonged cloudy weather or low sunlight, you may need to manually charge the camera using the USB Type-C cable.
- Avoid exposing the camera to extreme temperatures outside its operating range (-4°F to 122°F) for extended periods, as this can affect battery life.

6.3 Firmware Updates

- Periodically check the CloudEdge app for available firmware updates.
- Updating the firmware ensures your camera has the latest features, security patches, and performance improvements.
- Follow the in-app instructions carefully when performing updates. Ensure the camera has sufficient battery charge before starting an update.

7. TROUBLESHOOTING

- **Camera not connecting to Wi-Fi:**
Ensure your Wi-Fi network is 2.4GHz. Check Wi-Fi password. Move camera closer to the router. Restart camera and router.
- **No solar charging:**
Verify the solar panel is clean and receiving direct sunlight. Check the connection cable between the solar panel and camera. Ensure the solar panel is not shaded.
- **Frequent false alarms:**
Adjust motion detection sensitivity in the app. Define specific motion detection zones to exclude irrelevant areas. Ensure human motion detection is enabled.
- **Poor night vision:**
Clean the camera lens. Ensure there are no obstructions blocking the IR or white lights. Check night vision settings in the app.
- **Two-way audio issues:**
Check volume settings on your phone and in the app. Ensure there are no obstructions blocking the camera's microphone or speaker.
- **App not receiving notifications:**
Check your phone's notification settings for the CloudEdge app. Ensure the app has permission to send notifications. Verify motion detection is enabled and configured correctly.

8. SPECIFICATIONS

Feature	Specification
Model	I71GT
Video Resolution	3MP (2K)
Pan/Tilt Range	Pan 355°, Tilt 90°
Night Vision Range	Up to 33 feet (10 meters)
Night Vision Type	IR (Black & White), Color Night Vision

Feature	Specification
Power Source	Solar Powered, 5200mAh Rechargeable Battery
Solar Panel Power	3W
Wireless Connectivity	2.4GHz Wi-Fi (IEEE 802.11b/g/n), Bluetooth (for initial setup)
Storage Options	Micro SD Card (Max 128GB), Cloud Storage
Water Resistance	IP66
Operating Temperature	-4°F to 122°F (-20°C to 50°C)
Dimensions (Camera)	Approx. 7 x 6 x 5 inches
Weight	1.8 pounds
Material	Acrylonitrile Butadiene Styrene (ABS)
Compatible Devices	Smartphone (iOS, Android)
Video Encoding	H.264, MPEG-4
Optical Zoom	4x



All Weather Available

Stand Up to Rain/Snow/Wind.
Any Temp. Any Time.



-20°C | -4°F 50°C | 122°F

Image 8.1: All-Weather Durability

9. SAFETY INFORMATION

- Do not attempt to disassemble or modify the camera. This may void the warranty and cause damage.
- Use only the specified charging cable and power adapter (if manual charging).
- Ensure the camera is securely mounted to prevent it from falling.
- Keep the camera and its components out of reach of children.
- Dispose of batteries and electronic components according to local regulations.

10. WARRANTY AND SUPPORT

For warranty information, technical support, or further assistance, please refer to the official CAMSTRO website or contact their customer service directly. Details are typically provided on the product packaging or the manufacturer's website. No official product videos from the seller were found in the provided data to embed in this manual.

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 can I fix my CAMSTRO I71GT camera if it froze during a firmware update and will no longer turn on?
If your CAMSTRO I71GT (or similar model) froze during a firmware update and now will not power on, it may be in a "bricked" state or simply out of power. Follow these steps to...
[Read full answer](#)

My CAMSTRO I71GT camera froze on the update screen and now won't turn on. How can I fix this?
If your CAMSTRO I71GT (often referred to as the 172GT or I71GT) has frozen during a firmware update and will no longer power on, it is likely in a "bricked" state or has insufficient...
[Read full answer](#)

