CAMSTRO I71GT

CAMSTRO I71GT 4G LTE Solar Security Camera User Manual

Model: I71GT

1. INTRODUCTION

The CAMSTRO I71GT is a 4G LTE cellular solar security camera designed for outdoor use, offering 24/7 continuous recording without the need for Wi-Fi. It features AI tracking detection, 360° pan and tilt surveillance, and an IP66 weatherproof rating, making it suitable for various remote locations. This manual provides detailed instructions for installation, operation, maintenance, and troubleshooting to ensure optimal performance of your security camera.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 4G Lite Camera with 12,000mAh Battery *1
- 7W Large Solar Panel*1
- Solar Bracket*1
- Mounting Kit*1
- Charging Cable*1

Focus on What Really Matters

Only Receive Alerts from These Zones, Minimizing Unnecessary Alarms.

Figure 2.1: Included Components

3. PRODUCT OVERVIEW (FEATURES)

3.1. 24/7 Continuous Recording

The camera provides 24/7 continuous recording, switching from 2 frames per second (fps) in standby to 25fps full recording upon detecting people or vehicles. This ensures all critical moments are captured in detail.

Figure 3.1: 24/7 Continuous Recording

3.2. Power System: 12,000mAh Battery & 7W Solar Panel

Equipped with a large 12,000mAh built-in battery and a powerful 7W solar panel, the camera offers exceptional runtime for non-stop protection. The solar panel efficiently recharges the battery under sunlight, providing reliable, continuous power and ensuring outstanding longevity.

AOV Camera VS **PIR Camera**

AOV Camera (Camstro)	PIR Camera (Other)
✅ **Continuous** Recording — Recording Mode	Event Trigger recording — Recording Mode
✅ **AI** Algorithm — Detection Mode	PIR Sensor — Detection Mode
✅ **Yes** — Support Auto Tracking	No — Support Auto Tracking
✅ **98**% — Alarm Accuracy	75% — Alarm Accuracy
✅ **98**ft — Detection Distance	50ft — Detection Distance
✅ **512**GB — Local storage up to	128GB — Local storage up to

Figure 3.2: Solar Power and Battery

3.3. 4G LTE Cellular Connectivity

Designed for areas without Wi-Fi, this camera uses a built-in SIM card for real-time monitoring over cellular data. It supports Verizon, T-Mobile, and AT&T networks. A 7-day data trial is included, with renewal options available in-app. This makes it ideal for farms, construction sites, barns, RVs, and vacation homes.

Ultra HD with Precision Pan-Tilt Motor

Figure 3.3: 4G LTE Connectivity for Remote Locations
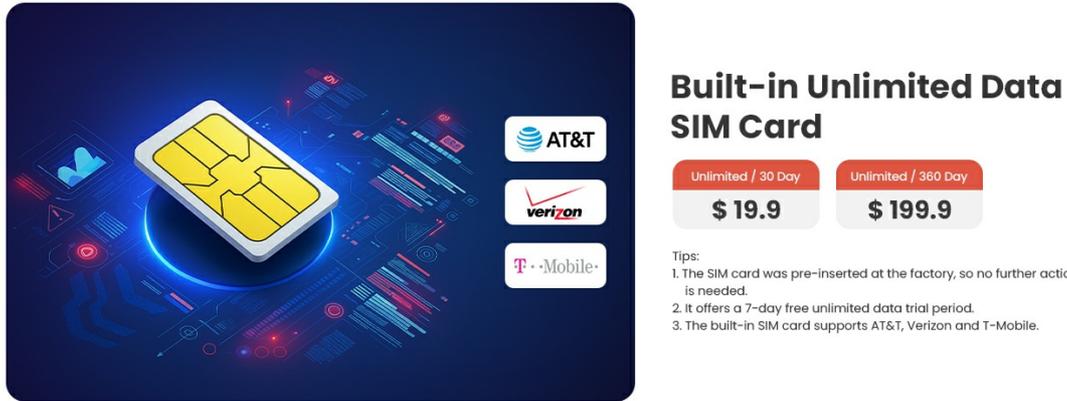
Syncs with Your Smart Home in Seconds

You Can Operate the System on Various Devices (Smartphones, Tablets, Laptops, Smartwatches) via CloudEdge APP

Figure 3.4: Built-in SIM Card Details

3.4. 2K UHD Video & Night Vision

Experience 2K UHD clarity to capture every detail. Six dual-mode LEDs (infrared + white light) provide vivid color night vision up to 20m and infrared night vision up to 30m in total darkness, tripling standard brightness for enhanced visibility.

Built-in Unlimited Data SIM Card

AT&T
Verizon
T··Mobile·

Unlimited / 30 Day	Unlimited / 360 Day
$ 19.9	$ 199.9

Tips:
1. The SIM card was pre-inserted at the factory, so no further action is needed.
2. It offers a 7-day free unlimited data trial period.
3. The built-in SIM card supports AT&T, Verizon and T-Mobile.

Figure 3.5: Auto-Switch Night Vision Modes

3.5. Pan & Tilt with AI Tracking

The camera offers 355° pan and 90° tilt capabilities to eliminate blind spots. AI tracking detects and follows humans and vehicles instantly, pivoting dynamically to track movement up to 30m and reducing false alarms by 95% with advanced AI analytics.

Auto-Switch, Efficient & Practical

Featuring 6 Dual-core LEDs, Providing 98ft Infrared Night Vision & 66ft White Light Illumination Ranges

Full Color Night Vision Mode

IR Night Vision Mode

Figure 3.6: Pan & Tilt Coverage

AI-Powered Precision

Auto-Tracks Humans up to 98ft with Enhanced Recognition Accuracy.

🏃 Human Detection   🚗 Vehicle Detection

Figure 3.7: Auto Human Tracking

Built-in 32GB SD Card

Cloud Storage Offers Lifetime 6s Event Recording.

💾 Built-in **32GB SD**   📇 **Lifetime 6s** Event Recording

Figure 3.8: AI-Powered Precision

3.6. Two-Way Audio

Utilize the two-way talk feature to warn intruders or greet visitors in real-time, enhancing interactive security.

Figure 3.9: Real-Time Two-Way Talk

3.7. Local & Cloud Storage

The camera comes with a pre-installed 32GB SD card for local storage, expandable up to 512GB. Cloud storage options are also available for secure backup and lifetime 6-second event recording.

Share with Your Family

Multiple Users can Monitor cameras in Real Time

Figure 3.10: Built-in 32GB SD Card

3.8. Weatherproof Design

With an IP66 rating, the camera is built to withstand various weather conditions, including rain, snow, and extreme temperatures ranging from -13°F (-25°C) to 122°F (50°C).

Figure 3.11: All-Weather Availability

3.9. Smart Home Compatibility & Sharing

Operate the system via the CloudEdge app on smartphones, tablets, and laptops. The app allows for easy management and real-time monitoring. You can also share camera access with family members, enabling multiple users to monitor simultaneously.

Figure 3.12: CloudEdge App Interface

Figure 3.13: Share with Your Family

4. SETUP INSTRUCTIONS

Follow these steps to install and set up your CAMSTRO I71GT camera:

Video 4.1: Installation and Setup Guide for CAMSTRO 4G AOV Solar Powered Battery Pan/Tilt Camera I71CP

1. **Install Solar Panel Bracket:** Attach the provided bracket to the solar panel using the screws from the mounting kit.

2. **Mount Camera:** Securely mount the camera to your desired outdoor location using the mounting kit. Ensure the location provides a clear view and is within cellular signal range.

3. **Install Solar Panel:** Mount the solar panel in a location that receives maximum direct sunlight throughout the day. Connect the solar panel's cable to the camera.

4. **Power On Camera:** Press the power button on the camera using the eject pin tool to turn on the device.

5. **Download CloudEdge App:** Download the "CloudEdge" app from the Apple App Store or Google Play Store on your smartphone.

6. **Register Account:** Open the CloudEdge app, click "Register Now," select your country, input your email, and create a nickname and password.

7. **Add Device:** On the app's home screen, click "Add Device" or the "+" icon. Select "4G Camera (Battery)" from the list of device types.

8. **Scan QR Code:** Allow the app to access your camera. Scan the QR code located on your CAMSTRO I71GT camera.

9. **Connect to Internet:** The device will begin connecting to the internet. A blue light flashing on the camera indicates that the SIM card has been read successfully. Please be patient during this process.

10. **Live View:** Once connected, the live feed from your camera will appear in the app, and you can begin configuring settings.

5. OPERATING INSTRUCTIONS

Familiarize yourself with the camera's functions through the CloudEdge app:

- **Live View:** Access the live video feed from your camera anytime, anywhere through the CloudEdge app.
- **Pan & Tilt Control:** Use the directional controls within the app to remotely adjust the camera's horizontal

(355°) and vertical (90°) viewing angles.

- **Two-Way Audio:** Utilize the intercom function in the app to speak through the camera's speaker and listen through its microphone, enabling real-time communication.
- **Recording & Playback:** View continuous recordings or event-triggered clips stored on the installed 32GB SD card or through your cloud storage subscription.
- **Motion Detection & Alerts:** Configure motion detection sensitivity and define specific detection zones within the app to minimize false alarms. Receive instant notifications and screenshots on your smartphone when motion is detected.
- **Night Vision Modes:** The camera automatically switches between infrared night vision and full-color night vision based on ambient light conditions, ensuring clear visibility day and night.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your camera:

- **Cleaning:** Regularly clean the camera lens and the surface of the solar panel to ensure clear image quality and efficient solar charging. Use a soft, damp cloth to wipe away dust and debris.
- **Battery Management:** Ensure the solar panel is positioned to receive maximum direct sunlight for efficient charging of the internal battery. Avoid shaded areas.
- **SIM Card Management:** Monitor your 4G data usage through the CloudEdge app and renew your data plan as needed to maintain continuous connectivity.
- **Firmware Updates:** Periodically check the CloudEdge app for available firmware updates. Install updates to ensure your camera has the latest features, security enhancements, and bug fixes.

7. TROUBLESHOOTING

If you encounter issues with your CAMSTRO I71GT camera, refer to the following common problems and solutions:

- **Camera Not Powering On:**
  - Ensure the internal 12,000mAh battery is charged. Connect the camera to the solar panel or use the charging cable for a few hours.
  - Verify the power button was pressed correctly using the eject pin tool.
- **No 4G Signal or Connectivity Issues:**
  - Check the SIM card signal strength indicator in the CloudEdge app. If weak, reposition the camera or solar panel to an area with better cellular reception.
  - Ensure your 4G data plan is active and has sufficient data.
  - Verify the SIM card is correctly inserted into the camera.
- **CloudEdge App Connection Problems:**

- Ensure your smartphone has a stable internet connection (Wi-Fi or cellular data).
- Restart the CloudEdge app and the camera.
- If issues persist, try removing and re-adding the device in the app.

- **Poor Video Quality:**

  - Clean the camera lens to remove any smudges or dirt.
  - Ensure adequate lighting for optimal night vision performance.
  - Check your cellular signal strength, as a poor signal can affect live streaming and recording quality.

- **False Motion Alerts:**

  - Adjust motion detection sensitivity settings in the CloudEdge app to a lower level.
  - Define specific detection zones to exclude areas with frequent, irrelevant movement (e.g., busy roads, swaying trees).

- **SD Card Not Recording:**

  - Ensure the SD card is correctly inserted into the camera.
  - Check if the SD card is full. You may need to format it through the app (this will erase all data).
  - Verify recording settings in the CloudEdge app are enabled for SD card storage.

8. SPECIFICATIONS

Feature	Detail
Model Name	I71GT
Brand	CAMSTRO
Indoor/Outdoor Usage	Outdoor
Power Source	Solar Powered
Connectivity Protocol	Cellular
Controller Type	Android, iOS (via CloudEdge App)
Mounting Type	Ceiling Mount (also suitable for wall mount)
Video Capture Resolution	2K
Color	Black
Wireless Communication Technology	Cellular
Form Factor	Dome
Night Vision Range	100 Feet (IR), 20m (Color)

Feature	Detail
Frame Rate	25 frames per second (full recording)
Item Dimensions (L x W x H)	5 x 7.5 x 8 inches
Water Resistance Level	Waterproof (IP66)
Battery	Built-in 12,000mAh rechargeable battery
Special Features	2-Way Audio, 32GB Local Storage (up to 512GB), 7W solar panel, AI Human & Vehicle Detection, 24/7 Continuous Recording

9. WARRANTY AND SUPPORT

For warranty information, technical assistance, or customer support, please refer to the product packaging or contact CAMSTRO customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.