

Ctronics 800C

Ctronics 4G LTE Dual Lens Solar Security Camera Model 800C User Manual

Comprehensive Instructions for Setup, Operation, and Maintenance

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Ctronics 4G LTE Dual Lens Solar Security Camera, Model 800C. Please read this manual thoroughly before using the product to ensure correct usage and optimal performance. Keep this manual for future reference.

2. PRODUCT OVERVIEW

2.1 Key Features

- **4G LTE Connectivity:** Operates independently without Wi-Fi, ideal for remote locations. Includes a pre-installed SIM card with 300 MB test data.
- **Dual Lens Technology:** Features a fixed upper lens (90° view) and a rotatable lower lens (355° pan, 90° tilt) for extensive coverage.
- **Solar Powered:** Equipped with an 8W solar panel and a 15600 mAh rechargeable battery for continuous operation.
- **Color Night Vision:** Provides clear, full-color video up to 30 meters in low-light conditions.
- **Dual PIR Human Detection:** Accurate motion detection within a 10-meter range, triggering instant alerts.
- **Two-Way Audio:** Enables real-time communication through the camera.
- **Flexible Storage:** Supports up to 128GB TF card storage and cloud storage options.
- **Easy Installation:** Designed for wall or ceiling mounting with an adjustable bracket.

2.2 Package Contents

- Ctronics 4G LTE Dual Lens Solar Security Camera (Model 800C)
- 8W Solar Panel
- Mounting Bracket and Screws

- Pre-installed SIM Card (with 300 MB test data)
- User Manual

2.3 Product Diagram



Figure 1: Ctronics 4G LTE Dual Lens Solar Security Camera with solar panel and smartphone app interface. This image displays the complete camera unit, including the solar panel, and a smartphone screen showing the live view from the camera.

3. SETUP

3.1 SIM Card and Battery Installation

1. Ensure the camera is powered off.
2. Locate the SIM card slot, typically protected by a rubber cover on the camera body.
3. Insert the pre-installed 4G SIM card into the slot. Ensure it is correctly oriented.
4. Verify the 15600 mAh rechargeable battery is securely connected inside the camera compartment. The camera is designed for continuous power via the solar panel, but initial charge is recommended.
5. Close the rubber cover firmly to maintain waterproof integrity.

3.2 Mobile Application Installation

1. Download the **"HIP2P"** or **"Ctronics Pro"** application from your device's app store (iOS or Android).
2. Register for an account and log in.
3. Follow the in-app instructions to add your camera. This typically involves scanning a QR code on the camera or manually entering its device ID.

3.3 Mounting the Camera and Solar Panel

Easy to Install

Two Installation Methods



Figure 2: A person installing the Ctronics solar security camera on an exterior wall. This image demonstrates the ease of installation for the camera and its connected solar panel.

1. **Choose a Location:** Select an outdoor location with good cellular signal strength and direct sunlight exposure for the solar panel. The camera can be mounted on a wall or ceiling.
2. **Drill Holes:** Use the provided mounting template (if available) to mark and drill holes for the mounting bracket.
3. **Secure Bracket:** Attach the mounting bracket to the surface using the screws and anchors.
4. **Attach Camera:** Secure the camera unit to the mounting bracket.
5. **Position Solar Panel:** Connect the solar panel to the camera and adjust its angle (up to 108° range) to

maximize sunlight exposure throughout the day. Ensure the cable is securely connected and protected from weather.

6. **Power On:** Once mounted, power on the camera. The camera will attempt to connect to the 4G network.

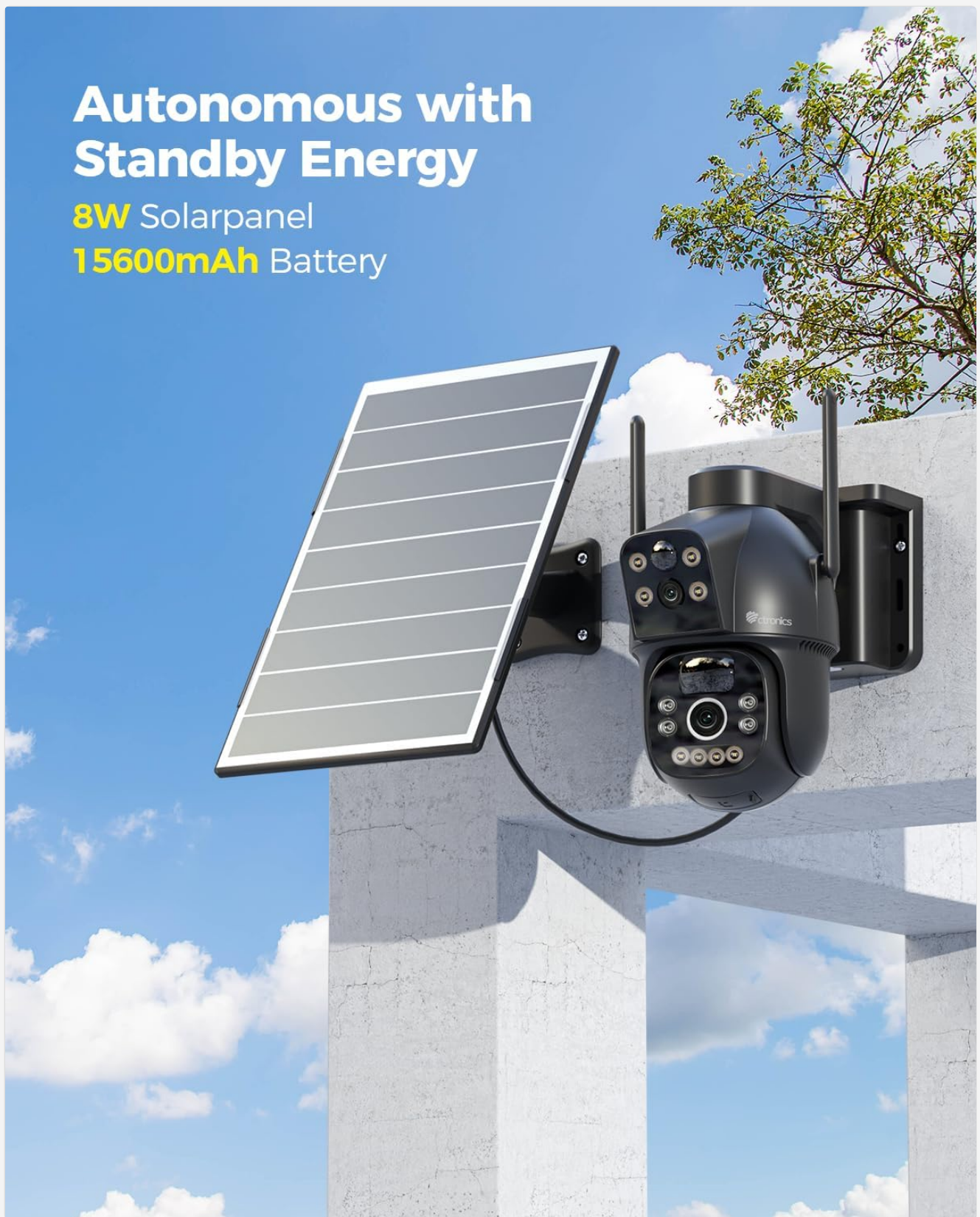


Figure 3: The Ctronics solar security camera mounted on an exterior wall, showcasing its autonomous power capabilities with the 8W solar panel and 15600mAh battery.

Stable Cellular Connection



3G/4G LTE ▼



Figure 4: The Ctronics solar security camera mounted on a tree, illustrating its stable cellular connection with a SIM card and 300MB data for 3G/4G LTE networks.

4. OPERATING INSTRUCTIONS

4.1 Live View and Dual Lens Control

Dual Lens for Dual-View



Figure 5: A visual representation of the camera's dual lens system, enabling simultaneous monitoring from two perspectives. The upper lens provides a fixed 90-degree view, while the lower lens offers pan and tilt functionality.

1. Open the "HIP2P" or "Ctronics Pro" app on your smartphone.
2. Select your camera from the device list to access the live view.
3. The app will display feeds from both the fixed upper lens (90° wide-angle) and the rotatable lower lens.
4. Use the on-screen controls to pan (355°) and tilt (90°) the lower lens to adjust its viewing angle.

4.2 Two-Way Audio

Color Night Vision

Constantly activated protection



Figure 6: A smartphone displaying the two-way audio interface of the Ctronics camera app, allowing real-time communication.

1. While in live view, tap the microphone icon in the app.
2. Speak into your phone to transmit audio through the camera's speaker.
3. The camera's built-in microphone will capture audio from the camera's vicinity, which will be played through your phone's speaker.

4.3 Motion Detection and Alerts

Dual-PIR Human Detection

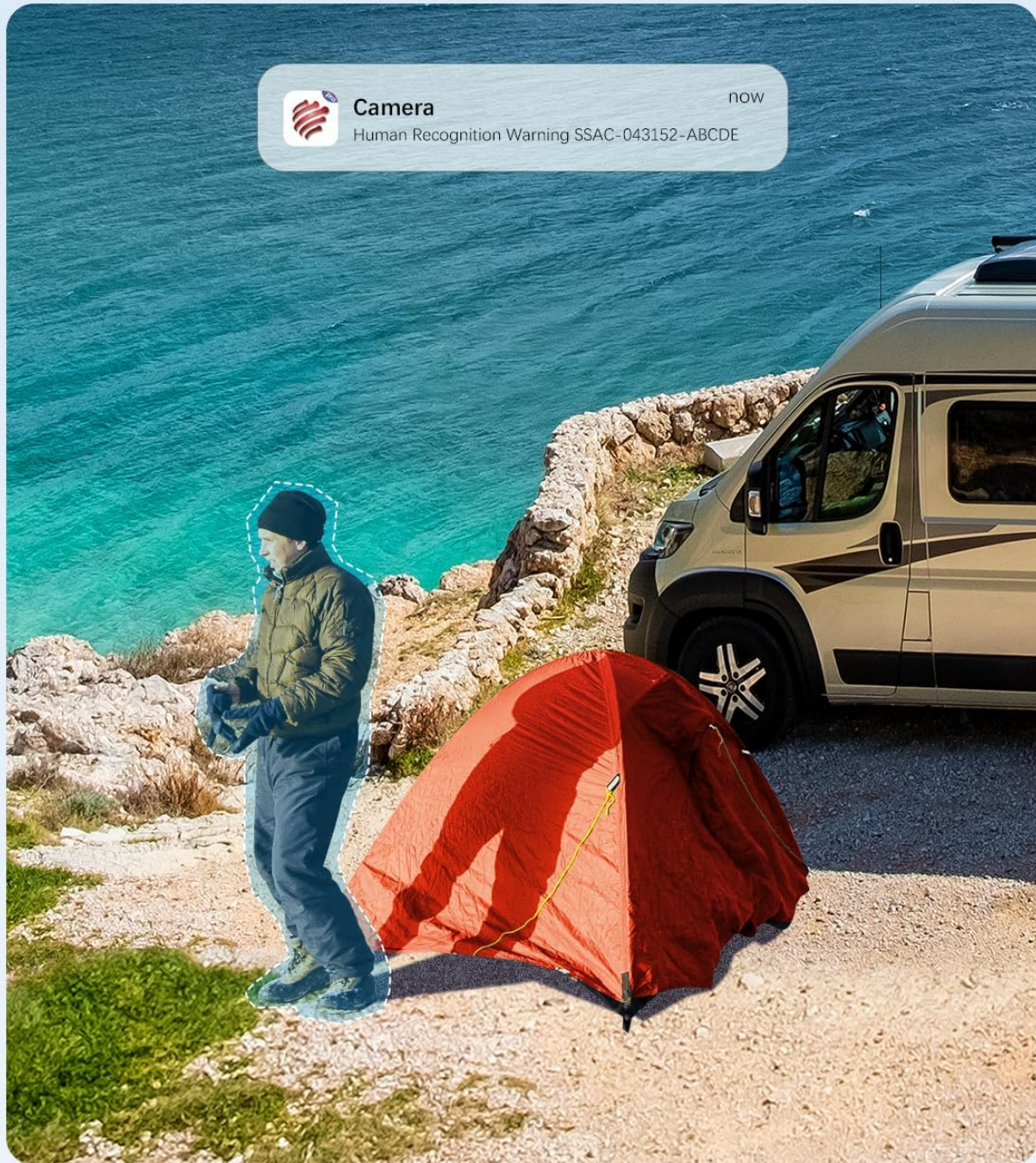


Figure 7: The Ctronics camera detecting human motion, with an overlay showing a 'Human Recognition Warning' notification on a smartphone. This highlights the dual-PIR human detection capability.

1. Access the camera settings within the app.
2. Navigate to the "Motion Detection" or "PIR Settings" section.
3. Adjust sensitivity levels for the dual PIR sensors (detection range up to 10 meters).
4. Enable push notifications to receive instant alerts on your smartphone when motion is detected.

4.4 Color Night Vision

Two-way Audio

Real-Time chat, anytime, anywhere,
with everymember



Figure 8: The Ctronics camera demonstrating its color night vision capability, providing clear and detailed images even in complete darkness, compared to a standard black and white night view.

1. The camera automatically switches to night vision mode in low light conditions.
2. Color night vision is activated by the camera's integrated spotlights, providing full-color images up to 30 meters.
3. You can typically configure night vision settings (e.g., auto, color, IR) within the app.

4.5 Recording and Playback

1. Recordings are triggered by motion detection or can be initiated manually via the app.
2. Recordings are stored on the inserted TF card (up to 128GB) or in the cloud (subscription may be required).
3. To view recordings, navigate to the "Playback" or "History" section in the app and select the desired date and time.

5. MAINTENANCE

5.1 Solar Panel Care

- Regularly clean the surface of the solar panel to remove dust, dirt, and debris. A clean panel ensures maximum charging efficiency.
- Ensure no objects (e.g., tree branches, leaves) are obstructing sunlight from reaching the panel.

5.2 Battery Management

- Monitor the battery level through the mobile application.
- In areas with prolonged cloudy weather, the battery may require occasional manual charging if solar charging is insufficient.

5.3 Software Updates

- Check the mobile application periodically for firmware updates.
- Install updates to ensure optimal performance, security, and access to new features.

5.4 General Cleaning

- Wipe the camera lens and body with a soft, damp cloth. Avoid abrasive cleaners.
- Ensure all rubber seals and covers are properly seated to maintain weather resistance.

6. TROUBLESHOOTING

- **No 4G Connection:**
 - Ensure the SIM card is correctly inserted and activated.
 - Check the cellular signal strength at the camera's location. 4G connectivity requires a strong signal. If the signal is weak, consider relocating the camera or using a 4G signal booster.
 - Verify that the SIM card has an active data plan.
- **Camera Not Powering On:**
 - Check the battery connection and ensure it is charged. Allow the solar panel to charge the battery for several hours in direct sunlight.
 - Ensure the power switch is in the 'ON' position.
- **Motion Detection Issues:**
 - Adjust the PIR sensitivity settings in the app. High sensitivity may cause false alarms, while low sensitivity might miss events.
 - Ensure there are no obstructions in the detection zone.
 - Note that PIR detection range is approximately 10 meters.
- **Poor Image Quality:**
 - Clean the camera lenses.

- Ensure there is sufficient light for optimal image capture, especially during night vision.

• **App Connectivity Problems:**

- Ensure your smartphone has a stable internet connection.
- Restart the camera and your smartphone.
- Update the camera firmware and mobile app to the latest versions.

7. SPECIFICATIONS







Feature	Specification
Model Number	800C (CTIPC-800C-ADL-EU4G)
Connectivity	4G LTE (Cellular)
Power Source	8W Solar Panel, 15600 mAh Lithium-ion Battery (6 AA cells included)
Lens Configuration	Dual Lens (Fixed upper 90°, Rotatable lower 355° Pan / 90° Tilt)
Night Vision Range	Up to 30 meters (Color Night Vision)
Motion Detection	Dual PIR Sensors (10-meter range)
Audio	Two-Way Audio
Storage Options	TF Card (up to 128GB), Cloud Storage
Installation Type	Screw-in (Wall/Ceiling Mount), Tree Mount
Material	Acrylonitrile Butadiene Styrene (ABS)
Dimensions (L x W x H)	30 x 25 x 30 cm
Weight	1.92 kg
Operating Systems	iOS, Android, Mac, Windows (via HIP2P / Ctronics Pro apps)

8. WARRANTY AND SUPPORT

Ctronics products are designed for reliability and performance. For warranty information, please refer to the specific terms provided at the time of purchase or visit the official Ctronics website. If you encounter any issues or require technical assistance, please contact Ctronics customer support through their official channels. Ensure you have your product model number (800C) and purchase details ready when contacting support.



Related Documents - 800C

	<p>Ctronics Dual Lens Camera Manual: Setup, App, and PC Software Guide</p> <p>Comprehensive guide for the Ctronics Dual Lens Camera, covering setup, Wi-Fi connection, the Ctronics pro mobile app, HiP2P PC software, and troubleshooting FAQs. Learn to install, configure, and manage your security camera.</p>
	<p>Ctronics CTIPC-285C Indoor Wi-Fi Camera User Manual</p> <p>User manual for the Ctronics CTIPC-285C indoor Wi-Fi camera, detailing its features, installation, and operation. This 4MP camera supports dual-band Wi-Fi, color night vision, 360° coverage, and human motion detection with tracking.</p>
	<p>Ctronics 4G LTE Camera User Manual</p> <p>User manual for the Ctronics 4G LTE Camera, providing instructions and information for setup and operation. Includes details on features like 1080P resolution, night vision, person detection, and two-way audio.</p>
	<p>Manuale della Telecamera Dual Lens Ctronics</p> <p>Guida completa al manuale della telecamera dual lens Ctronics, con istruzioni dettagliate per l'installazione, la configurazione, l'uso dell'app e la risoluzione dei problemi.</p>
	<p>Ctronics 3G/4G Dual-Lens Surveillance Camera User Manual</p> <p>Comprehensive user manual for the Ctronics 3G/4G Dual-Lens Surveillance Camera, covering setup, app usage, PC/Mac client software, and troubleshooting.</p>
	<p>Ctronics Dual Lens Linkage Camera User Manual: Setup, Features, and Troubleshooting</p> <p>Comprehensive user manual for the Ctronics Dual Lens Linkage Camera (WF QQTY5 L-20250106). Learn how to install, connect via WiFi or Bluetooth, use the Ctronics Pro app, configure with HIP2P software, and troubleshoot common issues. Includes detailed guides on camera settings, recording, and playback.</p>