

Ctronics CTIPC-500C

Ctronics CTIPC-500C 4G LTE Battery-Powered 2K Indoor PTZ Security Camera User Manual

Model: CTIPC-500C | Brand: Ctronics

1. INTRODUCTION

Thank you for choosing the Ctronics CTIPC-500C 4G LTE Battery-Powered 2K Indoor PTZ Security Camera. This manual provides essential information for setting up, operating, and maintaining your camera to ensure optimal performance and security. Please read this manual thoroughly before use and retain it for future reference.



Image 1.1: Ctronics CTIPC-500C 4G LTE Battery-Powered 2K Indoor PTZ Security Camera.

2. SAFETY INFORMATION

- Ensure the camera is installed in a stable location to prevent falls.
- Use only the specified charging cable and adapter to prevent damage or fire.
- Keep the camera away from water, moisture, and extreme temperatures.
- Do not attempt to disassemble or repair the camera yourself. Contact customer support for assistance.
- Dispose of batteries according to local regulations.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Ctronics CTIPC-500C 4G LTE Camera
- USB Charging Cable
- Power Adapter
- Mounting Bracket and Screws
- User Manual
- Pre-installed SIM Card (with 300MB test data)

4. PRODUCT OVERVIEW

Familiarize yourself with the camera's components:

- **Camera Lens:** Captures video footage.
- **Infrared LEDs:** For night vision.
- **Microphone:** For audio input.
- **Speaker:** For two-way audio output.
- **SIM Card Slot:** For 4G LTE connectivity.
- **Micro SD Card Slot:** For local storage (up to 128GB, not included).
- **Reset Button:** To restore factory settings.
- **USB Charging Port:** For power input.
- **Antenna:** For 4G signal reception.

5. SETUP

5.1 Initial Charging

Before first use, fully charge the camera's built-in 7800mAh battery. Connect the camera to a power source using the provided USB cable and adapter. The charging indicator light will show the charging status.

Fully Wireless

Battery-powered
Hassle-free Installation
Put it Anywhere



Image 5.1: The camera's fully wireless design allows flexible placement.

5.2 SIM Card Installation

The camera comes with a pre-installed SIM card for 4G LTE connectivity. If you need to replace it, ensure the camera is powered off. Locate the SIM card slot, insert the new Nano-SIM card correctly, and ensure it is securely seated.

3G/4G LTE Connection

No WiFi Needed



Image 5.2: The camera operates via 3G/4G LTE, eliminating the need for WiFi.

5.3 App Download and Camera Pairing

1. Download the 'Ctronics' app from your smartphone's app store (iOS or Android).
2. Register an account and log in.
3. Power on the camera.
4. In the app, tap '+' to add a new device.
5. Follow the on-screen instructions to scan the QR code on the camera or manually enter the device ID.
6. Once connected, you can name your camera and begin live viewing.

6. OPERATING INSTRUCTIONS

6.1 Live View and PTZ Control

Open the Ctronics app and select your camera to access the live view. Use the on-screen controls to pan (355° horizontally) and tilt (90° vertically) the camera lens. You can also use the 4x digital zoom feature to get a closer look.



Image 6.1: PTZ controls and 4x digital zoom for comprehensive coverage.

6.2 Motion and Human Detection (PIR)

The camera features PIR (Passive Infrared) human/motion detection up to 8 meters. When motion is detected, the camera can send real-time alerts to your phone, trigger sound and light alarms, and upload footage via FTP. This system is designed to reduce false alarms by 95%.

PIR Human/Motion Detection

Reduce false alarms by 95% & No Auto-tracking

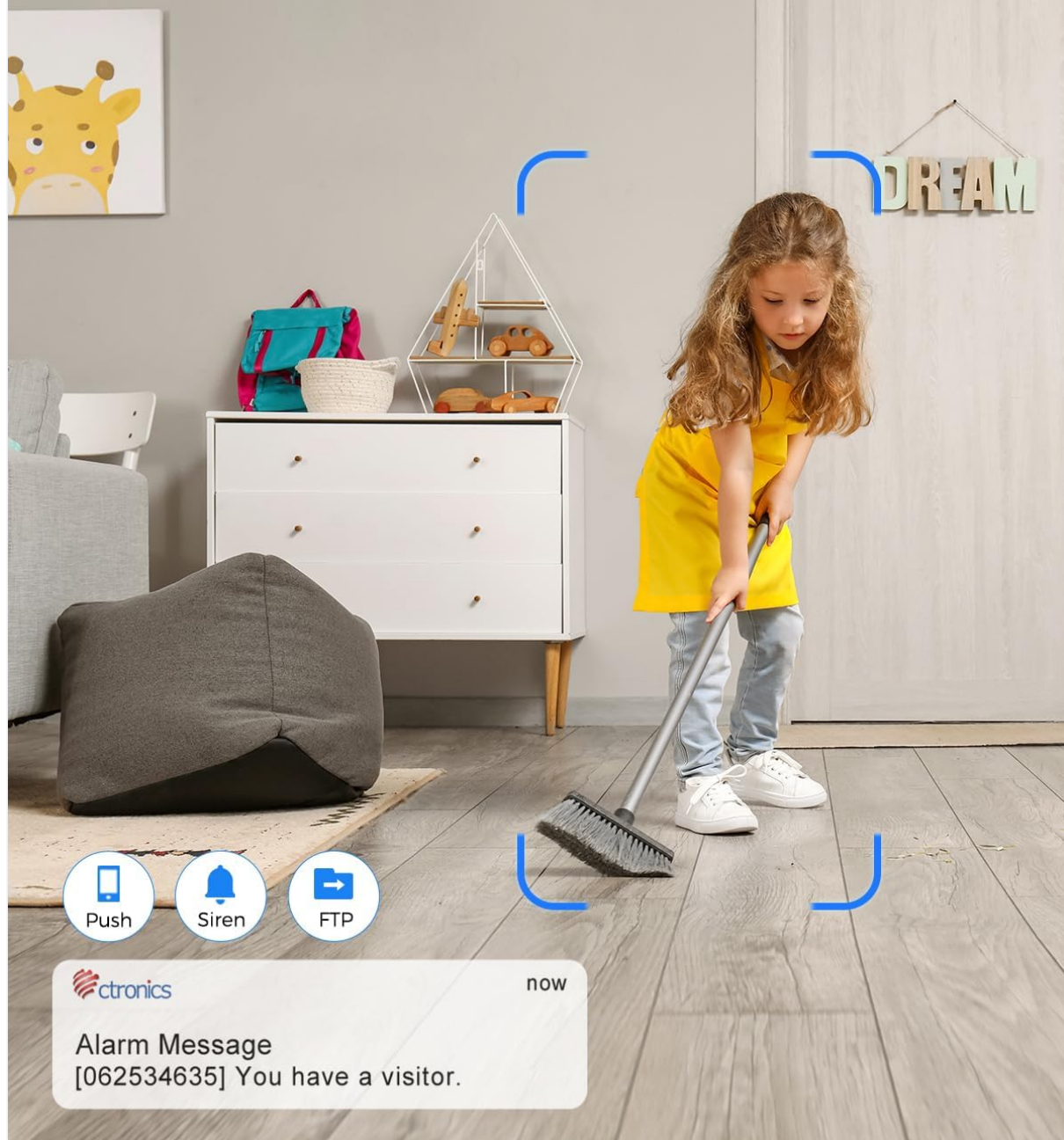


Image 6.2: PIR detection provides accurate alerts for human movement.

6.3 Two-Way Audio

Utilize the two-way audio feature to communicate with individuals near the camera. Tap the microphone icon in the live view to speak, and the camera's built-in speaker will transmit your voice. You can also hear audio from the camera's location.

Two-Way Audio

Multi-User Viewing



Stop!



Image 6.3: Two-way audio for interactive communication.

6.4 2K Color Night Vision

The camera provides 2K 3MP resolution video with enhanced color night vision up to 20 meters. This ensures clear and detailed images even in low-light conditions, offering improved visibility compared to traditional black and white night vision.



Image 6.4: Enhanced 2K color night vision for clear images in darkness.

6.5 Recording and Storage

The camera supports two storage methods:

- **Local Storage:** Insert a Micro SD card (up to 128GB, not included) into the designated slot. Note that 24/7 continuous recording is not supported to preserve battery life and SIM data.
- **Cloud Storage:** Subscribe to Ctronics cloud services for secure video playback and storage. Access your recordings anytime via the app.

Two Storage Methods

Local Storage

up to **128GB** (not included)

- Not support 24/7 recording



Cloud Storage

- Video playback



Image 6.5: Local and cloud storage options for video recordings.

6.6 Multi-Platform Access

Access your camera's live feed and recordings from various devices using the Ctronics app or client software. Supported platforms include iOS, Android, Windows, and Mac OS.



Image 6.6: Access your camera from multiple devices and operating systems.

7. MAINTENANCE

7.1 Battery Charging

Regularly check the battery level in the app. Recharge the camera when the battery is low to ensure continuous operation. The 7800mAh battery provides extended usage, but frequent alerts or live viewing will consume power faster.

7.2 Cleaning

Gently wipe the camera lens and body with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials that could damage the camera's surface or lens.

8. TROUBLESHOOTING

- **Camera not connecting to 4G:** Ensure the SIM card is correctly inserted and activated. Check for network coverage in your area. Restart the camera.
- **Battery not charging:** Verify the charging cable and adapter are working correctly. Ensure the charging port is clean and free of debris.
- **Frequent false alarms:** Adjust the PIR detection sensitivity settings in the app. Ensure the camera is not pointed at areas with constant movement (e.g., curtains near a window).
- **Poor video quality:** Check the camera's resolution settings in the app. Ensure the lens is clean.
- **Two-way audio issues:** Ensure microphone and speaker permissions are granted to the app on your phone. Check volume settings on both the app and the camera.

9. SPECIFICATIONS

Model	CTIPC-500C
Resolution	2K (3MP)
Connectivity	4G LTE (Cellular)
Battery Capacity	7800mAh Lithium-ion
Pan/Tilt Range	Pan 355°, Tilt 90°
Digital Zoom	4x
Night Vision	2K Color Night Vision (up to 20m)
Detection	PIR Human/Motion Detection (up to 8m)
Audio	Two-Way Audio
Storage Options	Micro SD Card (max 128GB, not included), Cloud Storage
Dimensions (L x W x H)	15 x 22 x 15 cm
Weight	510 grams

10. WARRANTY AND SUPPORT

Ctronics products come with a standard warranty. For detailed warranty information, please refer to the warranty card included in your package or visit the official Ctronics website. If you encounter any issues or have questions, please contact Ctronics customer support through the app or their official website for assistance.

Related Documents - CTIPC-500C

	Ctronics 4G LTE Camera User Manual 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.
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	<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 APP Precautions and CamHI App Connection Guide</p> <p>Important precautions for the Ctronics APP, including guidance on downloading the CamHI APP and connecting your camera via Wi-Fi or 4G networks. Learn how to connect your Ctronics camera.</p>
	<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 4G LTE Outdoor Camera User Manual</p> <p>User manual for the Ctronics 4G LTE Outdoor Camera, featuring FHD 1080P PTZ, night vision, auto tracking, human detection, and two-way audio. This camera does not support Wi-Fi.</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>