

Ctronics CTIPC-790C-EU

Ctronics CTIPC-790C-EU 5MP PTZ Wi-Fi Security Camera User Manual

Model: CTIPC-790C-EU

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Ctronics CTIPC-790C-EU 5MP PTZ Wi-Fi Security Camera. Please read this manual thoroughly before using the product to ensure proper function and safety. This camera is designed for both indoor and outdoor surveillance, offering high-resolution video, advanced detection features, and flexible connectivity.



Figure 1: Front view of the Ctronics 5MP PTZ Wi-Fi Security Camera. This image displays the camera's dome shape, lens, and LED illuminators.

2. PACKAGE CONTENTS

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

- Ctronics CTIPC-790C-EU 5MP PTZ Wi-Fi Security Camera
- Power Adapter
- Charging Cable
- Instruction Manual
- Mounting Bracket
- Mounting Screws

3. PRODUCT OVERVIEW

The Ctronics CTIPC-790C-EU camera offers advanced surveillance capabilities:

- **5MP Ultra HD Resolution:** Provides clear 2560x1920 pixel video and images, offering more detail than 1080P or 4MP cameras.
- **Dual-Band Wi-Fi (2.4/5GHz):** Supports both 2.4GHz for extended range and better penetration, and 5GHz for faster transmission and reduced interference.
- **PTZ Functionality:** Pan 355° and Tilt 90° for comprehensive area coverage.
- **AI Human Detection & Auto Tracking:** Intelligent technology reduces false alarms by up to 95% and automatically tracks detected human movement.
- **Color Night Vision:** Achieves full-color night vision up to 25 meters or infrared night vision up to 30 meters for clear visibility in low-light conditions.
- **Two-Way Audio:** Built-in microphone and speaker for remote communication.
- **IP66 Weatherproof:** Durable construction suitable for outdoor use in various weather conditions.
- **Flexible Storage Options:** Supports continuous 24/7 recording to a microSD card (up to 128GB), cloud storage, or FTP.



5MP Clarity, Every Detail in High Definition



Figure 2: This image illustrates the superior clarity of 5MP resolution compared to 2MP, highlighting finer details in a vehicle.

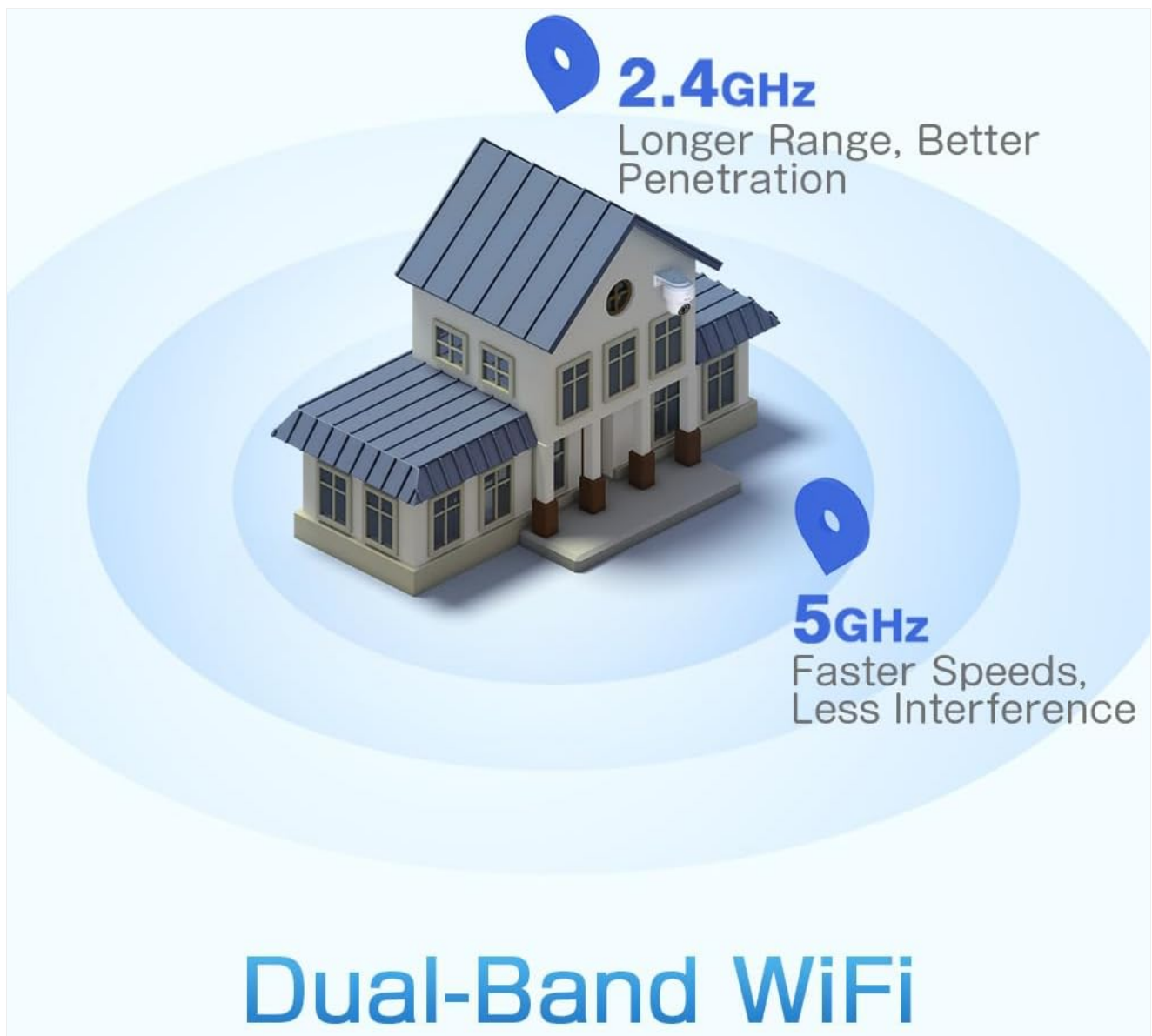


Figure 3: A diagram depicting a house with Wi-Fi signals. The 2.4GHz signal offers longer range and better penetration, while the 5GHz signal provides faster speeds and less interference.

4. SETUP

4.1 Physical Installation

The camera can be mounted on a wall or ceiling. Ensure the mounting location provides a clear field of view and is within Wi-Fi range.

1. **Choose a Location:** Select a suitable indoor or outdoor location. The camera is IP66 waterproof, making it resistant to dust and water jets.
2. **Mounting:**
 - **Wall Mount:** Use the provided mounting bracket and screws to secure the camera to a wall.
 - **Ceiling Mount:** The camera can also be mounted directly to a ceiling.
3. **Adjust Angle:** After mounting, adjust the camera's orientation as needed.

Wall Mount with
Included Bracket



Mount on the Ceiling
with 3M Adhesive



Figure 4: This image displays two installation methods: wall mounting using a bracket and ceiling mounting.



Figure 5: This image illustrates both ceiling and wall installation options, emphasizing the camera's IP66 waterproof rating by showing it under simulated rain.

4.2 Power Connection

Connect the provided power adapter to the camera's power input and then plug it into a standard electrical outlet. Ensure the connection is secure.

4.3 Network Connection

The camera supports both 2.4GHz and 5GHz Wi-Fi networks. For initial setup, it is recommended to place the camera near your Wi-Fi router.

1. **Download App:** Download the Ctronics Pro or CamHi Pro app from your smartphone's app store (available for iOS and Android). For PC, use HiP2P Client software.
2. **Register Account:** Open the app and register a new account or log in if you already have one.
3. **Add Camera:** Follow the in-app instructions to add your camera. This typically involves scanning a QR code on the camera or manually entering its ID.
4. **Connect to Wi-Fi:** Select your desired 2.4GHz or 5GHz Wi-Fi network and enter the password. The camera will connect to the network.

5. OPERATING INSTRUCTIONS

5.1 Live View and PTZ Control

Once connected, you can access the live video feed through the Ctronics app or PC software.

- **Live Feed:** Tap on the camera in the app to view the real-time video stream.
- **Pan/Tilt:** Use the directional controls within the app to rotate the camera horizontally (pan 355°) and vertically (tilt 90°).
- **Zoom:** Digital zoom is available through the app.
- **Preset Positions:** Set up to 8 preset positions for quick navigation to specific areas.

5.2 AI Human Detection & Auto Tracking

The camera's intelligent detection system can identify human shapes and track their movement.

- **Enable Detection:** In the app settings, enable AI Human Detection.
- **Adjust Sensitivity & Area:** Customize the detection sensitivity and define specific detection zones to minimize false alarms.
- **Auto Tracking:** When enabled, the camera will automatically follow detected human movement within its field of view.
- **Alerts:** Receive instant notifications via the app or email when motion is detected. The camera can also trigger customizable sound and light alarms.

Human Detection & Auto Tracking

Adjustable detection area and sensitivity



Figure 6: This image shows the camera detecting a person at night, with an alarm notification displayed on a smartphone, illustrating the human detection and auto-tracking features.

5.3 Night Vision

The camera offers enhanced night vision capabilities:

- **Full-Color Night Vision:** When spotlights are activated, the camera can provide full-color video in low-light conditions up to 25 meters.
- **Infrared Night Vision:** In complete darkness, the camera automatically switches to infrared mode, providing clear black and white video up to 30 meters.

Spotlights for Total Protection

Full-color night vision
for enhanced visibility



Figure 7: An image showing the camera mounted outdoors at night, with its spotlights illuminated to provide full-color night vision. A smartphone displays the live feed.

5.4 Two-Way Audio

Use the two-way audio feature to communicate with individuals near the camera.

- **Speak:** Press and hold the microphone icon in the app to speak through the camera's speaker.
- **Listen:** Enable the speaker icon to listen to audio from the camera's microphone.

5.5 Recording and Storage

The camera supports various recording and storage methods:

- **MicroSD Card:** Insert a microSD card (up to 128GB, not included) into the designated slot for local 24/7 continuous recording.
- **Cloud Storage:** Subscribe to a cloud storage service (if available) for off-site video backup.
- **FTP:** Configure FTP settings in the app to upload recordings to an FTP server.

Various Recording Modes

24/7



Figure 8: This image illustrates the camera's 24/7 recording capability and various recording modes, including a timeline view on a smartphone and a filmstrip showing recorded events.

6. MAINTENANCE

6.1 Cleaning

Regularly clean the camera lens and housing to ensure optimal image quality and performance.

- Use a soft, damp cloth to wipe the camera's exterior.
- For the lens, use a specialized lens cleaning cloth and solution to avoid scratches.
- Do not use harsh chemicals or abrasive cleaners.

6.2 Firmware Updates

Periodically check for firmware updates through the Ctronics app. Keeping your camera's firmware updated ensures access to the latest features and security enhancements.

7. TROUBLESHOOTING

If you encounter issues with your camera, refer to the following common solutions:

Problem	Possible Solution
Camera not connecting to Wi-Fi	<ul style="list-style-type: none">• Ensure the camera is within range of your router.• Verify Wi-Fi password is correct.• Try connecting to both 2.4GHz and 5GHz networks.• Restart the camera and router.
Poor image quality	<ul style="list-style-type: none">• Clean the camera lens.• Ensure sufficient lighting for optimal night vision.• Check network stability.
No motion detection alerts	<ul style="list-style-type: none">• Verify AI Human Detection is enabled in the app.• Adjust detection sensitivity and detection zones.• Check app notification settings on your smartphone.
MicroSD card not recording	<ul style="list-style-type: none">• Ensure the microSD card is inserted correctly.• Format the microSD card through the app.• Check if the card is damaged or full.

For further assistance, please contact Ctronics customer support.

8. SPECIFICATIONS

Key technical specifications for the Ctronics CTIPC-790C-EU camera:

Feature	Specification
Model Name	CTIPC-790C-EU
Resolution	5MP (2560x1920)
Wireless Technology	Wi-Fi (2.4GHz/5GHz)
Pan Angle	355 Degrees
Tilt Angle	90 Degrees
Night Vision Range	25 Meters (Color), 30 Meters (IR)
Water Resistance Level	IP66 (Waterproof)
Storage Options	MicroSD (up to 128GB), Cloud, FTP
Power Source	Electric Cable (12 Volts, 12 Watts)
Mounting Type	Wall Mount, Screw-in
Material	Acrylonitrile Butadiene Styrene (ABS)







Feature	Specification
Compatible Devices	Computer, Smartphone, Tablet
Operating System Support	Android, iOS, Windows, Mac OS

9. WARRANTY AND SUPPORT

Ctronics products are designed for reliability and performance. For warranty information and technical support, please refer to the official Ctronics website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

- **Online Support:** Visit the Ctronics official website for FAQs, troubleshooting guides, and software downloads.
- **Email Support:** Contact Ctronics customer service via email for technical assistance.

Related Documents - CTIPC-790C-EU

	Ctronics CTIPC-285C Indoor Wi-Fi Camera User Manual 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.
	Ctronics 4G LTE Outdoor Camera User Manual 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.
	Ctronics Dual Lens Camera Manual: Setup, App, and PC Software Guide 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.
	Ctronics 4K 8MP Surveillance Camera User Manual Comprehensive user manual for the Ctronics 4K 8MP Indoor Surveillance Camera, covering setup, Wi-Fi connection, and advanced features. Includes instructions in multiple languages.
	Ctronics CTIPC Series IP Camera App Operation Manual Comprehensive guide to operating the Ctronics CTIPC Series IP Camera using the Ctronics App. Covers setup, auto-tracking, preset sites, zoom functions, and alarm settings. Includes instructions in English, German, French, Italian, and Spanish.
	Ctronics PTZ Wireless Camera Operation Manual: Setting Up Spotlight Deterrence and Auto-Tracking This manual provides instructions for setting up the spotlight deterrence and auto-tracking features on the Ctronics PTZ Wireless Camera. It covers red and blue light alarms, guard position setup, human tracking, and preset/cruise functions.

