

Ctronics 880C-5MP

Ctronics 5MP Dual-Band Wi-Fi PTZ Outdoor Security Camera User Manual

Model: 880C-5MP

1. INTRODUCTION

This manual provides detailed instructions for the installation, setup, operation, and maintenance of your Ctronics 5MP Dual-Band Wi-Fi PTZ Outdoor Security Camera. Please read this manual thoroughly before using the product to ensure proper functionality and safety.

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 5MP PTZ Outdoor Security Camera
- Power Adapter
- Mounting Screws and Wall Plugs
- Waterproof Kit for Network Cable (if applicable)
- Quick Start Guide

3. PRODUCT OVERVIEW

The Ctronics 5MP Dual-Band Wi-Fi PTZ Outdoor Security Camera features 5MP Ultra HD resolution, dual-band Wi-Fi connectivity (2.4GHz/5GHz), and advanced AI detection capabilities. It is designed for outdoor use with an IP66 weatherproof rating.

Key Features:

- **5MP Ultra HD Resolution:** Captures clear video at 2880x1620 pixels.
- **Dual-Band Wi-Fi:** Supports both 2.4GHz and 5GHz networks for stable connection.
- **PTZ Functionality:** Pan 355°, Tilt 90° for 360° coverage, with 4x digital zoom.
- **AI Detection:** Intelligent detection of people, vehicles, and pets, reducing false alarms.

- **Auto Tracking:** Automatically follows detected subjects.
- **Color Night Vision:** Provides clear color images up to 30 meters in low light conditions.
- **Two-Way Audio:** Built-in microphone and speaker for communication.
- **Local & Cloud Storage:** Supports Micro SD card (up to 128GB, not included) and cloud storage options.
- **IP66 Weatherproof:** Designed to withstand outdoor elements.

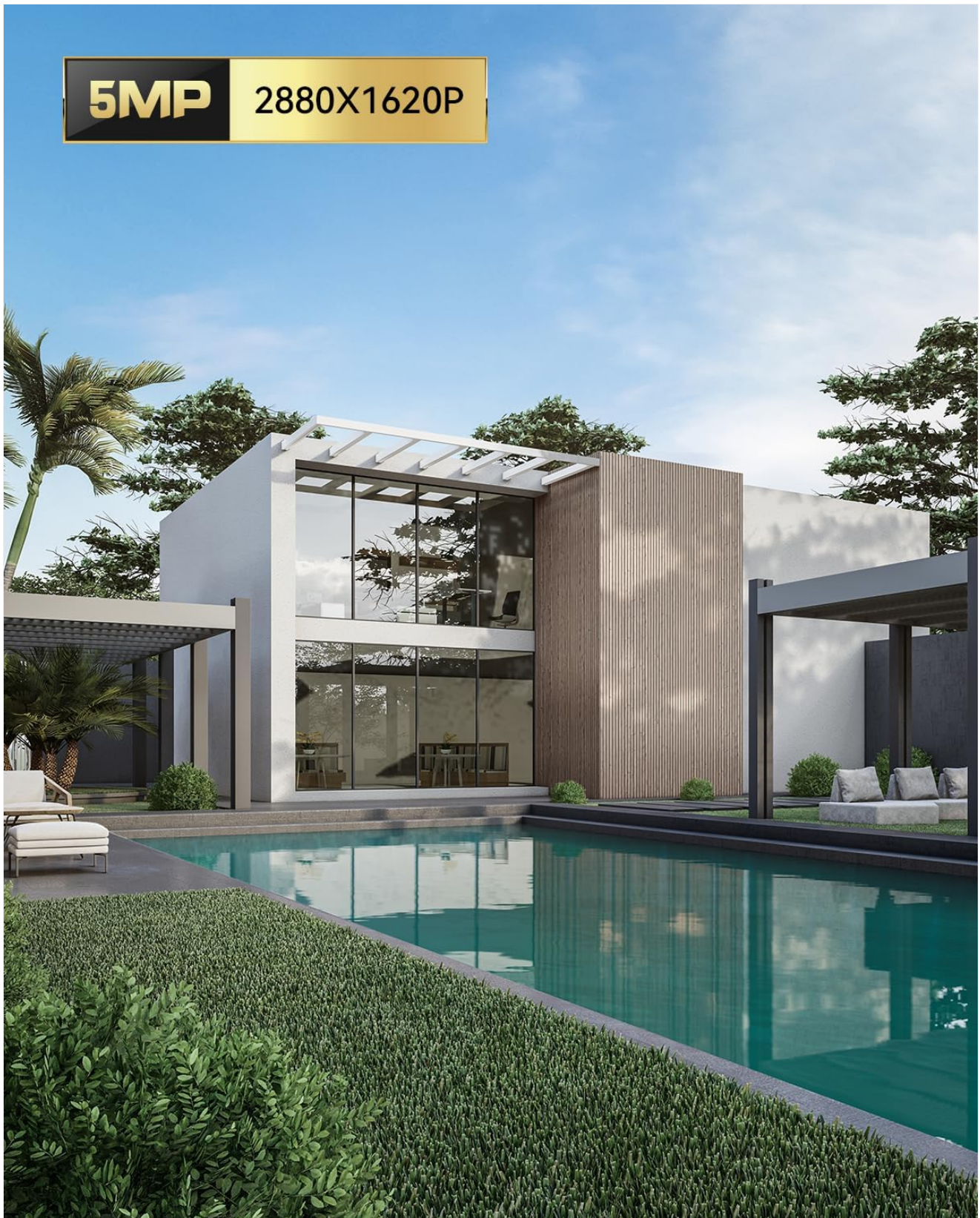


Image 3.1: Ctronics 5MP PTZ Outdoor Security Camera. This image shows the overall design of the camera with its dual antennas.

4. INSTALLATION

4.1 Mounting the Camera

The camera is designed for wall mounting. Choose a suitable location that provides the desired viewing angle and is within range of your Wi-Fi network and a power outlet.

1. **Mark Drilling Positions:** Use the mounting template (if provided) or the camera base to mark the positions for drilling holes on the wall.
2. **Drill Holes:** Drill holes at the marked positions. Insert the wall plugs into the drilled holes.
3. **Secure the Camera:** Align the camera base with the holes and secure it using the provided screws. Ensure the camera is firmly attached.
4. **Adjust Angle:** The camera features a manually rotatable support for precise angle adjustments after mounting.

4.2 Power Connection

Connect the provided power adapter to the camera's power input port and then plug it into a power outlet. Ensure the connection is secure and protected from weather using the waterproof kit if necessary.

5. SETUP

5.1 App Download and Installation

To manage your camera, download the Ctronics Pro app from your smartphone's app store (iOS/Android) or the HiP2P Client for PC (Mac/Windows).



Ctronics Pro



HiP2P Client



iOS



Android



Windows

Image 5.1: Ctronics Camera App and PC Client. This image illustrates the compatibility of the camera with various devices and operating systems, including smartphones, tablets, and computers, using the Ctronics Pro app or HiP2P Client.

5.2 Initial Connection (Bluetooth Pairing)

The camera supports Bluetooth pairing for quick initial setup.

1. Ensure Bluetooth is enabled on your smartphone.
2. Open the Ctronics Pro app and follow the on-screen instructions to add a new device.
3. The app will guide you through the Bluetooth pairing process, allowing for a fast connection.

5.3 Wi-Fi Connection

The camera supports both 2.4GHz and 5GHz Wi-Fi networks.

1. After Bluetooth pairing, the app will prompt you to connect the camera to your Wi-Fi network.

2. Select your preferred Wi-Fi network (2.4GHz or 5GHz) from the list.
3. Enter the Wi-Fi password and confirm the connection.
4. Once connected, the camera will be ready for use.

Connexion Wi-Fi Double Bande

Connectivité Fluide et Fiable



Image 5.2: Dual-Band Wi-Fi Connection. This image visually represents the camera's ability to connect to both 2.4GHz and 5GHz Wi-Fi networks, ensuring stable and fast data transmission.

6. OPERATING INSTRUCTIONS

6.1 Live View

Open the Ctronics Pro app or HiP2P Client to access the live video feed from your camera. You can view multiple cameras simultaneously if you have more than one.

6.2 PTZ Control

Use the PTZ (Pan-Tilt-Zoom) controls within the app to adjust the camera's viewing angle. The camera offers 355° pan and 90° tilt for comprehensive 360° coverage, along with 4x digital zoom.



Image 6.1: 360 Degree PTZ Coverage. This image demonstrates the camera's pan and tilt capabilities, providing a wide field of view for comprehensive surveillance.

6.3 AI Detection and Auto Tracking

The camera's advanced AI detection can differentiate between people, vehicles, and pets, minimizing false alarms. Enable

auto-tracking in the app to have the camera automatically follow detected subjects.

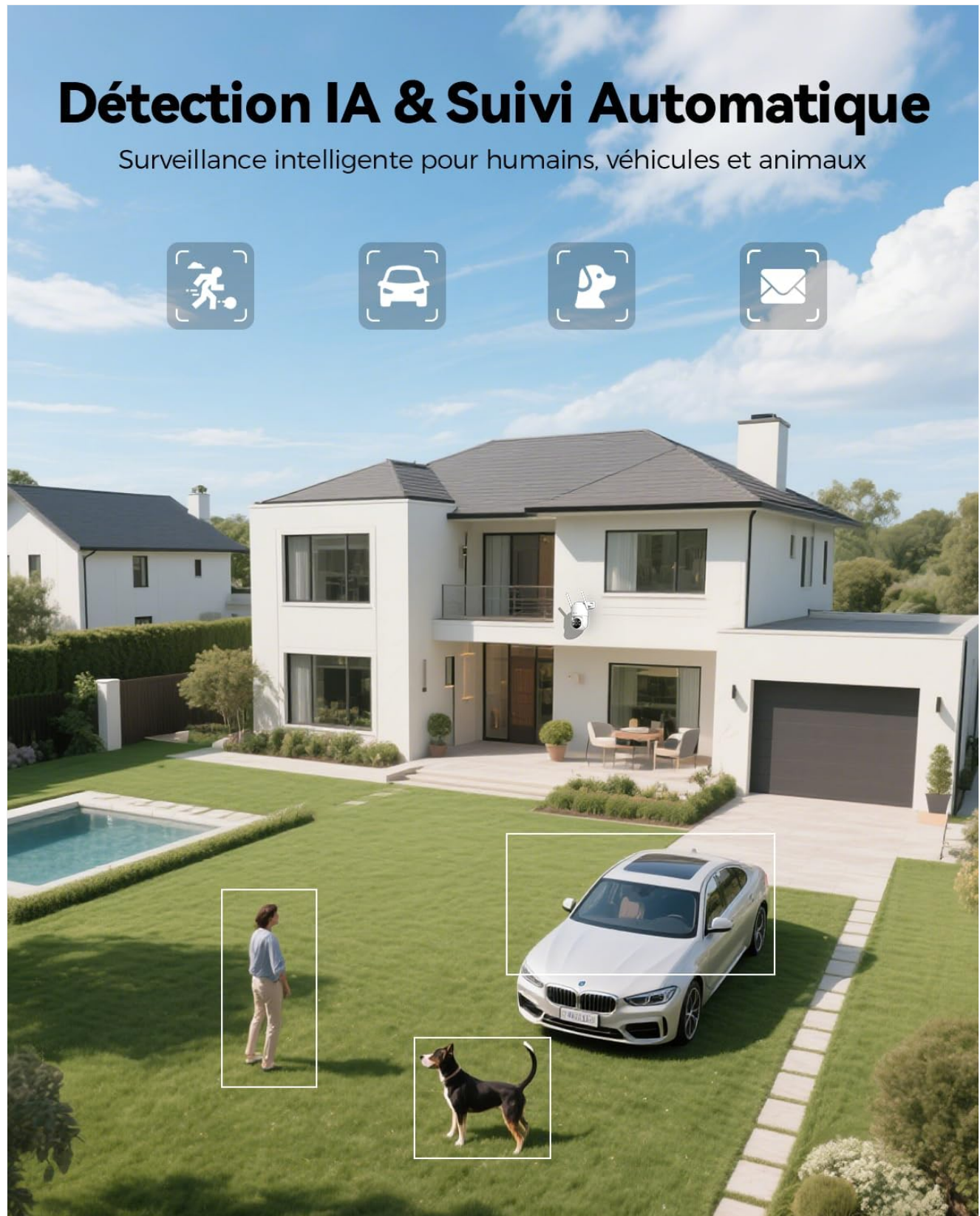


Image 6.2: AI Detection and Auto Tracking. This image illustrates the camera's intelligent detection capabilities, highlighting how it identifies and tracks people, vehicles, and pets within its field of view.

6.4 Night Vision Modes

The camera offers three night vision modes:

- **Infrared Mode:** Provides black and white video in complete darkness up to 30 meters.
- **Color Mode:** Utilizes built-in spotlights to provide full-color video at night.

- **Smart Mode:** Automatically switches between infrared and color mode based on detected motion or specific settings.



Image 6.3: Color Night Vision. This image demonstrates the camera's ability to capture clear, full-color video even in low-light conditions, alongside traditional infrared night vision.

6.5 Two-Way Audio

Use the two-way audio feature to communicate with visitors or deter intruders. Tap the microphone icon in the app to speak, and listen through the camera's speaker.

Audio Bidirectionnel

Discussion en temps réel, où que vous soyez



Image 6.4: Two-Way Audio Functionality. This image illustrates the camera's two-way audio feature, allowing users to communicate remotely through the camera via their smartphone.

6.6 Alarm Functions

Configure light and sound alarms in the app. When motion is detected, the camera can activate its spotlights and emit a customizable alarm sound to warn off intruders.

6.7 Recording and Storage

The camera supports various recording and storage options:

- **Local Storage:** Insert a Micro SD card (up to 128GB, not included) into the camera's designated slot for continuous or

event-triggered recording.

- **Cloud Storage:** Subscribe to Ctronics cloud storage services for secure off-site video backup. A 7-day trial may be available.
- **FTP/NARS:** Advanced users can configure FTP or NARS (Network Attached Recording System) for additional storage solutions.

6.8 Remote Access and Sharing

Access your camera's live feed and recordings from anywhere using the Ctronics Pro app. You can also share camera access with multiple users, allowing family members or trusted individuals to monitor the property.

7. MAINTENANCE

7.1 Cleaning

Regularly clean the camera lens and housing with a soft, damp cloth to ensure clear image quality. Do not use harsh chemicals or abrasive materials.

7.2 Firmware Updates

Check the Ctronics Pro app periodically for available firmware updates. Keeping your camera's firmware up-to-date ensures optimal performance, security, and access to new features.

8. TROUBLESHOOTING

- **Camera not connecting to Wi-Fi:** Ensure the camera is within range of your router. Verify the Wi-Fi password is correct. Try connecting to both 2.4GHz and 5GHz bands if available.
- **Poor image quality:** Clean the camera lens. Ensure there are no obstructions in the camera's field of view. Check your internet connection speed.
- **False alarms:** Adjust the AI detection sensitivity settings in the app. Define specific detection zones to reduce unwanted alerts.
- **No audio:** Check the audio settings in the app. Ensure the microphone and speaker are not obstructed.
- **SD card not recording:** Ensure the SD card is correctly inserted and formatted within the app. Check if the SD card has sufficient storage space.

9. SPECIFICATIONS

| Feature | Specification |
|--------------------|---|
| Model Number | 880C-5MP |
| Resolution | 5MP (2880x1620) |
| Connectivity | Dual-Band Wi-Fi (2.4GHz/5GHz), Bluetooth |
| PTZ Range | Pan 355°, Tilt 90° |
| Digital Zoom | 4x |
| Night Vision Range | 30 meters (Color Night Vision) |
| AI Detection | Person, Vehicle, Pet Detection, Auto Tracking |

| Feature | Specification |
|----------------------|---|
| Audio | Two-Way Audio |
| Storage Options | Micro SD Card (up to 128GB), Cloud Storage, FTP, NARS |
| Weather Resistance | IP66 |
| Power Source | Electric Cable (12V) |
| Material | Acrylonitrile Butadiene Styrene (ABS) |
| Dimensions (Approx.) | 15 cm x 15 cm x 13 cm |
| Weight (Approx.) | 760 grams |

10. SUPPORT

For further assistance, technical support, or warranty inquiries, please refer to the contact information provided in your product packaging or visit the official Ctronics website. Our customer service team is available to help you with any questions or issues you may encounter.