

Ctronics CTIPC-930C-4K-Z5

Ctronics CTIPC-930C-4K-Z5 4K 5X Optical Zoom Outdoor WiFi Surveillance Camera User Manual

Model: CTIPC-930C-4K-Z5 | Brand: Ctronics

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Ctronics CTIPC-930C-4K-Z5 4K 5X Optical Zoom Outdoor WiFi Surveillance Camera. 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

- **4K 8MP Ultra HD Resolution:** Provides clear and detailed images (3840x2160).
- **5X Optical Zoom:** Allows manual magnification of details without loss of quality.
- **AI Detection:** Intelligent recognition of humans, vehicles, and animals to reduce false alarms.
- **Auto Tracking:** Automatically follows detected subjects.
- **Dual-Band WiFi:** Supports 2.4GHz and 5GHz for stable and fast wireless connection.
- **Color Night Vision:** Up to 45m in color, and 50m in infrared night vision.
- **Two-Way Audio:** Enables real-time communication.
- **IP66 Weatherproof:** Durable metal casing suitable for outdoor use in various weather conditions.
- **Multiple Storage Options:** Supports TF card (up to 256GB), Cloud storage, NVR, and FTP.
- **Multi-Platform Access:** Viewable via smartphone, tablet, PC, or Mac.

2.2 Package Contents

- Ctronics CTIPC-930C-4K-Z5 Camera
- Power Adapter
- Mounting Screws
- Waterproof Kit

4K Ultra HD avec 5x Zoom Optique

Objectif 2,7–13,5mm: scènes larges et détails précis

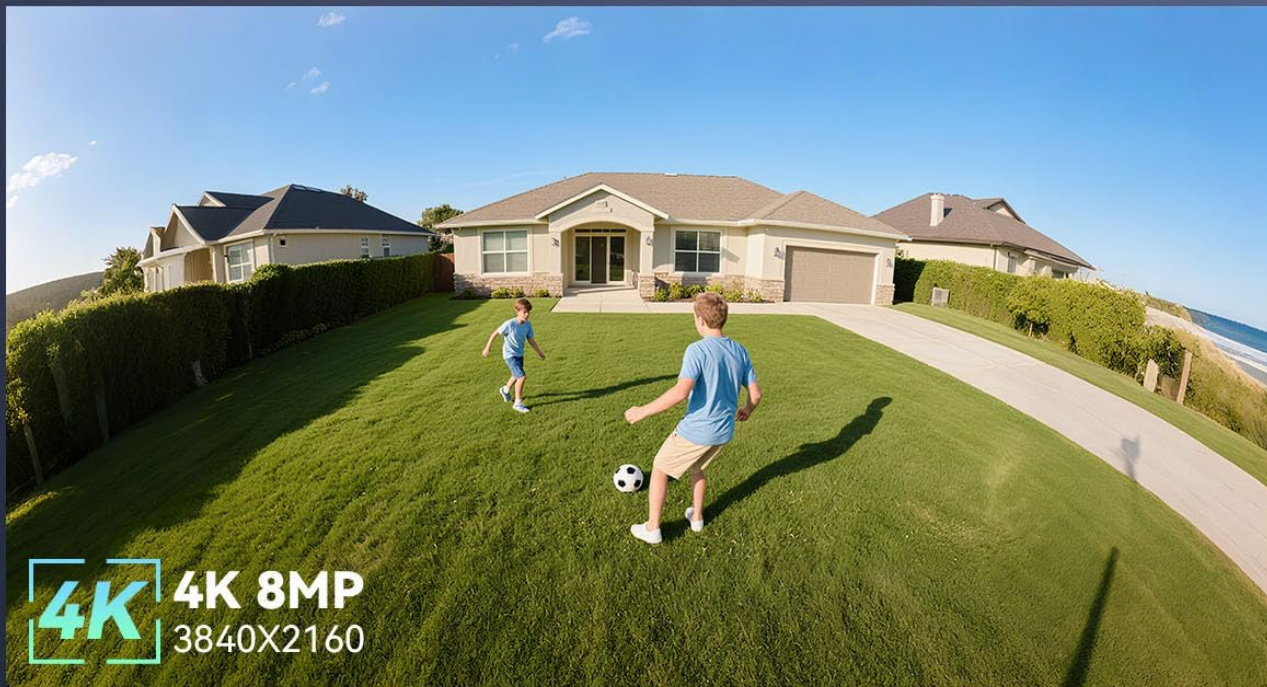


Image: The Ctronics CTIPC-930C-4K-Z5 camera with its included accessories, such as the power adapter and mounting hardware.

3. SETUP

3.1 Physical Installation

The camera can be mounted on a wall or ceiling. Choose a location that provides the desired viewing angle and is within range of your WiFi network and a power source. Ensure the mounting surface is sturdy enough to support the camera.

1. Mark the drilling positions using the provided mounting template.
2. Drill holes and insert wall anchors if necessary.
3. Secure the camera bracket to the wall/ceiling using the screws.
4. Attach the camera to the bracket and adjust the angle.



Image: Examples of wall mounting and ceiling mounting for the surveillance camera, demonstrating its versatility.

3.2 Power Connection

Connect the power adapter to the camera's power input and then plug it into a power outlet. Ensure the connection is secure and protected from moisture using the waterproof kit if installed outdoors.

3.3 Network Connection (Dual-Band WiFi)

The camera supports both 2.4GHz and 5GHz WiFi networks for flexible connectivity. Bluetooth pairing simplifies the initial setup process.

1. Download the Ctronics Pro app from your smartphone's app store (iOS/Android).
2. Register an account and log in.
3. Follow the in-app instructions to add the camera, typically involving scanning a QR code on the camera or using Bluetooth pairing.
4. Select your desired WiFi network (2.4GHz or 5GHz) and enter the password.

WiFi Double Bande - Stable et Fiable

2.4GHz

5GHz

Appairage Bluetooth en 3 Étapes

The image features a white Ctronics camera mounted on a light-colored wall. A large blue circular graphic is overlaid on the scene, with the text '2.4GHz' and '5GHz' indicating the supported frequency bands. In the background, a house and trees are visible under a clear blue sky. A Bluetooth icon is positioned next to the text 'Appairage Bluetooth en 3 Étapes'. At the bottom, a smartphone screen displays a photo of a stone house with large windows.

Image: The camera illustrating its dual-band WiFi capability (2.4GHz and 5GHz) and Bluetooth pairing for easy setup.

4. OPERATING INSTRUCTIONS

4.1 Live View and PTZ Control

Access the live feed through the Ctronics Pro app or compatible PC/Mac software. Use the on-screen controls to pan (horizontal rotation up to 355°), tilt (vertical rotation up to 90°), and zoom (5X optical zoom) the camera to adjust your viewing area.



Image: An illustration showing the camera's 360-degree pan and tilt capabilities for comprehensive area coverage.

4.2 Night Vision Modes

The camera offers multiple night vision modes:

- **Infrared Night Vision:** Provides clear black and white images up to 50 meters in complete darkness.
- **Color Night Vision:** Utilizes Starlight lens technology and built-in spotlights to deliver full-color images up to 45 meters in low-light conditions.
- **Smart Night Vision:** Automatically switches between infrared and color night vision based on detected motion or ambient light.

3 Modes de Vision Nocturne

Jusqu'à 45M en Couleur avec F/1.6



Image: Visual representation of the camera's three night vision modes, including normal, Starlight color, and infrared, for enhanced visibility in darkness.

4.3 AI Detection and Alerts

Configure AI detection settings in the app to specify detection types (human, vehicle, animal). When an event is detected, the camera can trigger a siren, activate spotlights, send instant app notifications, email alerts, and capture snapshots.

Alertes Sirène & Lumière

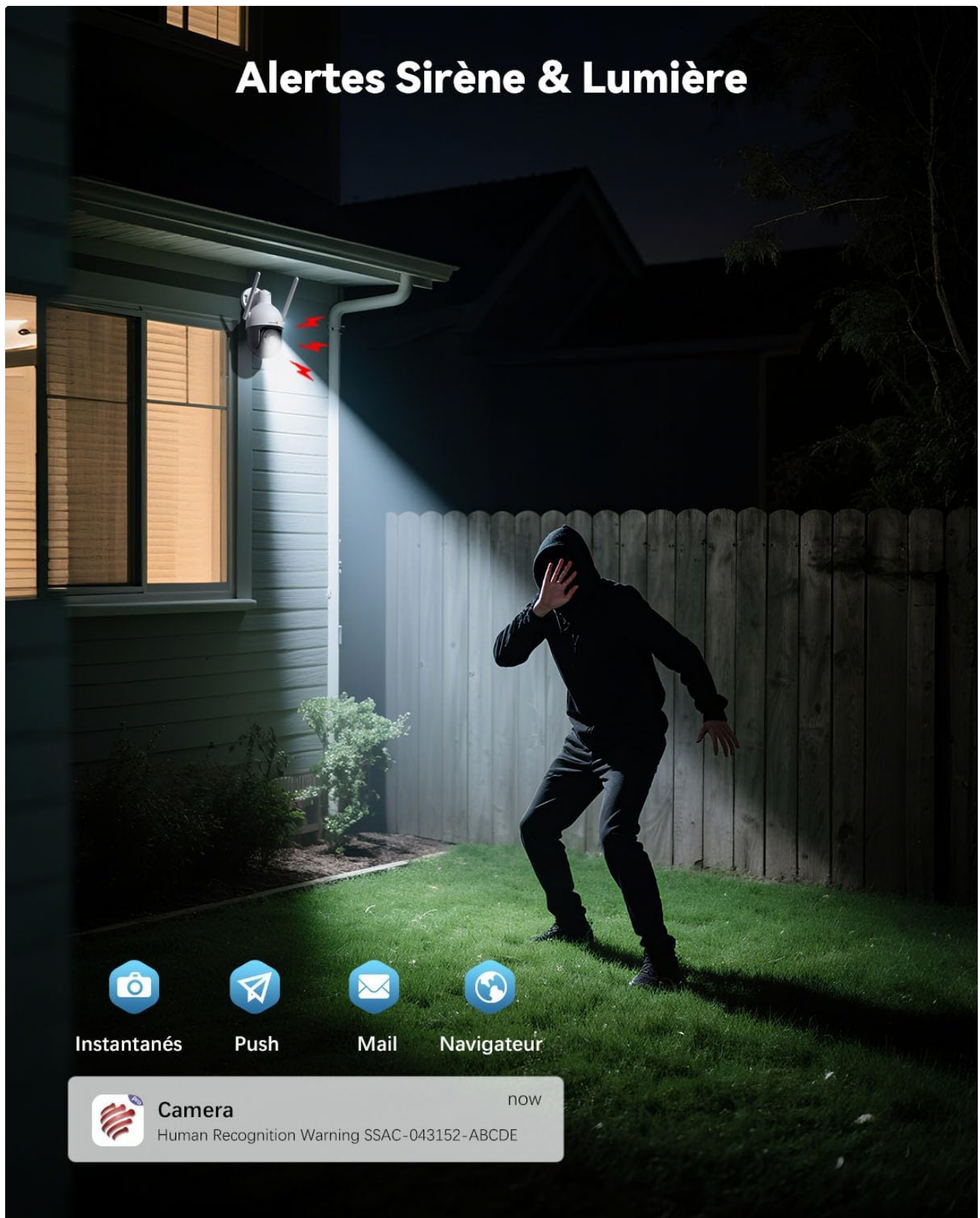


Image: A visual demonstrating the camera's AI detection capabilities, showing a person being detected and the camera activating its siren and spotlight as an alert.

4.4 Two-Way Audio

Use the two-way audio feature via the app to listen to the camera's surroundings and speak through its built-in speaker. Adjust the volume as needed.

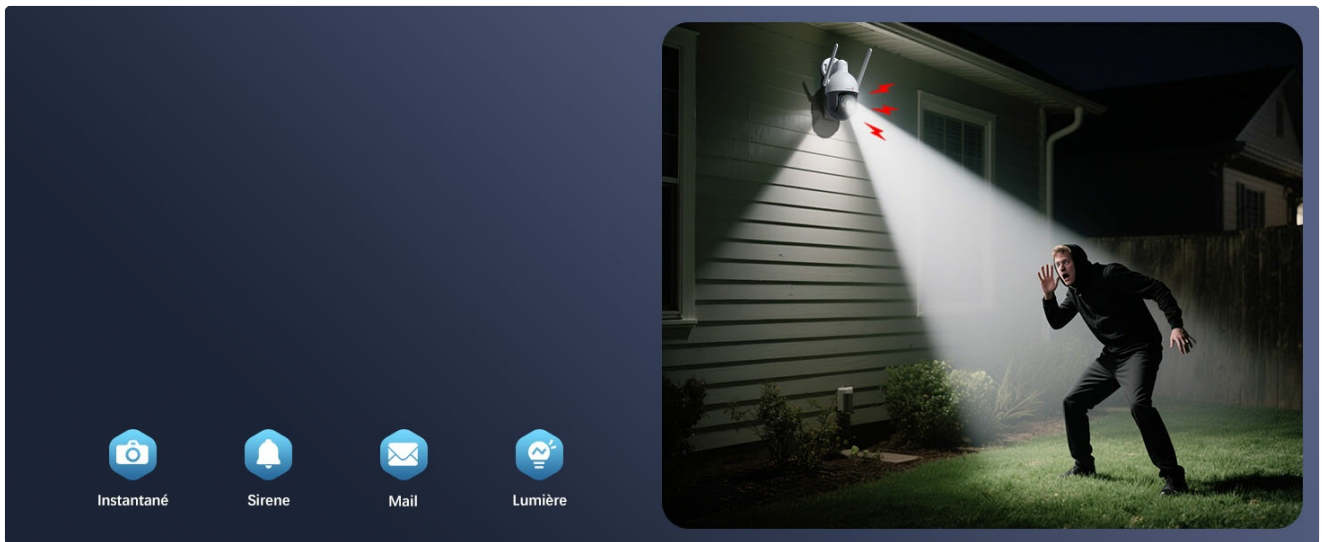


Image: A depiction of the two-way audio function, showing a child and a dog in a car with speech bubbles indicating communication through the camera.

4.5 Recording and Storage

The camera supports continuous recording or event-triggered recording. Recordings can be stored in several ways:

- **Micro SD Card:** Insert a TF card (up to 256GB, not included) into the camera's slot for local storage.
- **Cloud Storage:** Subscribe to cloud services for remote and secure storage (30-day trial often available).
- **NVR/FTP:** Connect the camera to a Network Video Recorder (NVR) or an FTP server for extended storage solutions.

multiples Options de Stockage

NVR
NVR

FTP
FTP

Jusqu'à 256Go

Essai 30 Jours

1:00 6:00 12:00 18:00 21:00 0:00

Image: An illustration detailing the various storage options available for the camera, including NVR, FTP, TF card up to 256GB, and cloud storage.

4.6 Privacy Zone

Configure privacy zones within the camera's field of view to block out specific areas from being recorded or monitored, ensuring privacy for sensitive locations.



Image: A comparison showing a surveillance area with a designated privacy zone, where a specific section is blacked out to protect privacy.

5. MAINTENANCE

- **Cleaning:** Regularly clean the camera lens with a soft, dry cloth to ensure clear image quality. Do not use harsh chemicals.
- **Firmware Updates:** Check the Ctronics Pro app periodically for firmware updates to ensure optimal performance and security.
- **Power Supply:** Ensure the power adapter and cable are in good condition and free from damage.
- **Network Stability:** Monitor your WiFi signal strength to ensure a stable connection for continuous operation.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera offline	No power; WiFi disconnected; Router issue	Check power connection; Restart camera and router; Reconfigure WiFi settings in app.
Poor image quality	Dirty lens; Insufficient light; Network bandwidth	Clean the lens; Ensure adequate lighting for color night vision; Check network speed.
False alarms	Sensitivity too high; Environmental factors	Adjust detection sensitivity in the app; Define privacy zones to exclude irrelevant areas.
Cannot connect to WiFi	Incorrect password; Out of range; Router settings	Verify WiFi password; Move camera closer to router; Ensure router supports 2.4/5GHz and disable MAC filtering.
Two-way audio not working	Microphone/speaker disabled; App permissions	Check audio settings in the app; Ensure app has microphone permissions on your device.

7. SPECIFICATIONS

Feature	Detail
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Feature	Detail
Model Name	CTIPC-930C-4K-Z5
Resolution	4K (3840x2160), 8 Megapixels
Optical Zoom	5X
Connectivity	Wired, Bluetooth, Wi-Fi (2.4/5GHz)
Night Vision Range	50 meters (IR), 45 meters (Color)
Weatherproof Rating	IP66
Storage Options	Micro SD (up to 256GB), Cloud, NVR, FTP
Power Source	AC Power Adapter
Mounting Type	Wall Mount, Ceiling Mount
Dimensions	27.2 x 18.9 x 15.5 cm
Material	Metal

8. WARRANTY AND SUPPORT

Ctronics products typically come with a standard manufacturer's warranty. Please refer to the warranty card included in your package or visit the official Ctronics website for detailed warranty terms and conditions.

For technical support, troubleshooting assistance, or any product-related inquiries, please contact Ctronics customer service through their official website or the contact information provided in the product packaging. You can also find FAQs and support resources on the Ctronics website.

Online Resources:

- Official Ctronics Website: www.ctronics.com
- Ctronics Pro App (iOS/Android)