Ctronics 930C-4K

Ctronics 4K Hybrid Zoom WLAN Outdoor Security Camera User Manual

Model: 930C-4K

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Ctronics 4K Hybrid Zoom WLAN Outdoor Security Camera, Model 930C-4K. Please read this manual thoroughly before using the product to ensure proper functionality and safety.

The Ctronics 4K Hybrid Zoom WLAN Outdoor Security Camera features a dual-lens system, 10x hybrid zoom (6x optical + 4x digital), automatic zoom tracking, human recognition, 4K full-color night vision, two-way audio, and IP66 weather resistance for reliable outdoor surveillance.

Figure 1: Ctronics 4K Hybrid Zoom WLAN Outdoor Security Camera (Model 930C-4K)

PACKAGE CONTENTS

Verify that all items are present in the package:

- Ctronics 4K Hybrid Zoom WLAN Outdoor Security Camera
- Power Adapter
- Mounting Screws and Wall Plugs
- Waterproof Kit for Network Cable
- Drill Template
- User Manual

SAFETY PRECAUTIONS

- Ensure the power supply matches the camera's requirements (12V).
- Do not expose the camera to extreme temperatures or humidity beyond its operating range.
- Avoid direct exposure to strong light sources, which may affect image quality.
- Handle the camera with care to prevent physical damage.
- Consult a professional for installation if you are unsure about electrical wiring or mounting procedures.
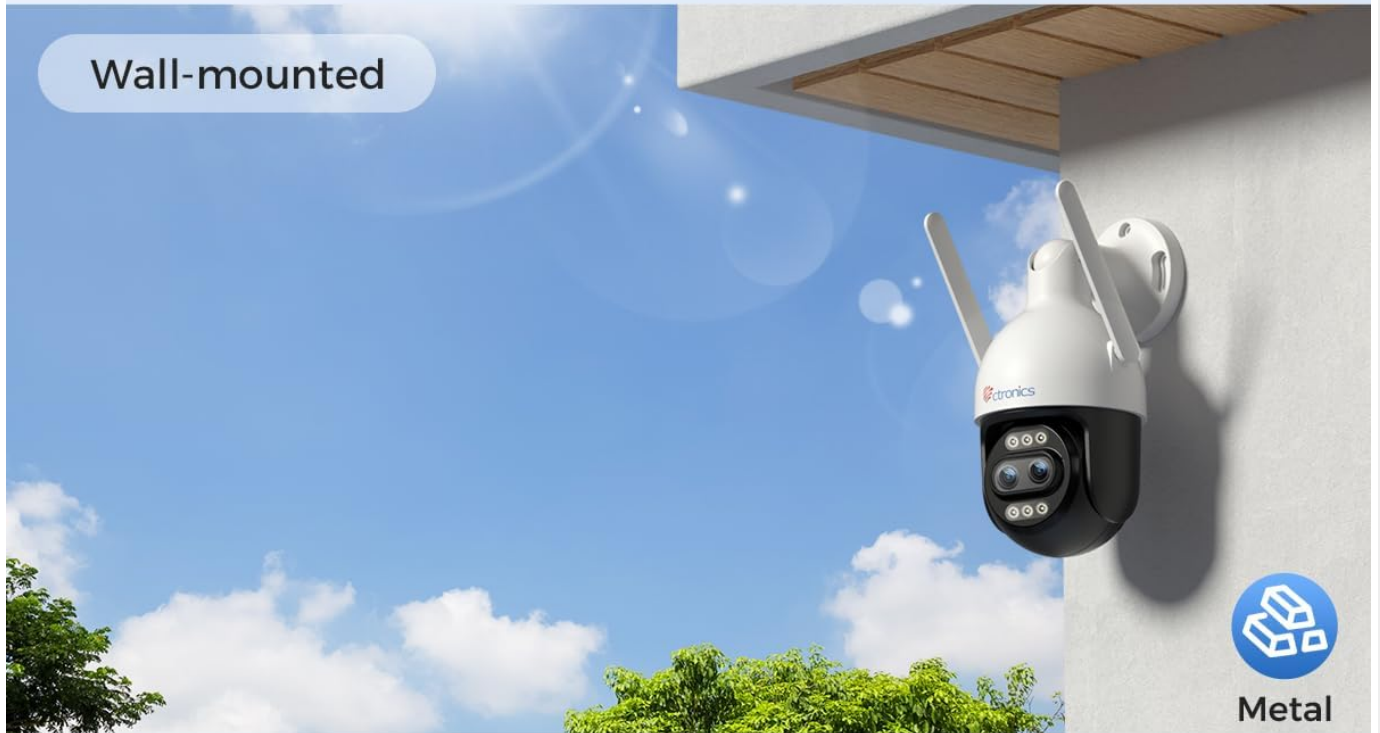
SETUP

1. Physical Installation

The camera supports both wall and ceiling mounting. Choose a location that provides optimal coverage and a stable Wi-Fi signal.

1. **Select Mounting Location:** Identify a suitable outdoor location, ensuring it is within range of your Wi-Fi network and has access to a power outlet.
2. **Mark Drill Holes:** Use the provided drill template to mark the positions for drilling on the wall or ceiling.
3. **Drill Holes:** Drill holes at the marked positions and insert the wall plugs.
4. **Mount Camera:** Secure the camera bracket to the wall or ceiling using the provided screws.
5. **Connect Power:** Connect the power adapter to the camera and plug it into a power outlet. Ensure the connection is waterproof using the provided kit if applicable.

Figure 2: Camera mounting options (wall-mounted and ceiling-mounted) demonstrating IP66 weather resistance.

2. Network Connection

The camera supports stable and fast dual-band Wi-Fi (2.4GHz and 5GHz).

1. **Download App:** Download the "Ctronics Pro" app from your smartphone's app store (iOS or Android).
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 Wi-Fi network (2.4GHz or 5GHz) and enter the password. The camera will connect to your network.

5. **Initial Setup:** Complete any initial setup steps prompted by the app, such as setting a device password and time zone.

Figure 3: Ctronics Pro app interface for camera management.

Figure 4: Illustration of the camera's stable dual-band Wi-Fi connectivity (2.4GHz and 5GHz).

OPERATING THE CAMERA

1. Live View and PTZ Control

- Open the Ctronics Pro app and select your camera to access the live view.
- Use the on-screen controls to pan (355°) and tilt (90°) the camera to adjust its viewing angle.

- Utilize the 10x hybrid zoom feature (6x optical + 4x digital) to get a closer look at specific areas.

Figure 5: The camera's 10x hybrid zoom capability, showing a zoomed-in view of a child in a backyard.

Figure 6: Illustration of the dual-lens system providing both narrow (50° view, 8mm) and wide (90° view, 3.6mm) perspectives.

2. Motion Detection and Auto-Tracking

- Access the camera settings in the app to configure motion detection zones and sensitivity.
- Enable human recognition to filter out false alarms caused by animals or inanimate objects.
- Activate auto-tracking zoom, which allows the camera to automatically follow detected human movement and zoom in for clearer details.
- Set up preset points for quick navigation to frequently monitored areas.

Figure 7: Visual representation of smart detection features including pan/tilt, preset points, detection zones, and human recognition with auto-tracking.

3. Night Vision

The camera features a starlight lens for 4K full-color night vision, providing clear images even in low-light conditions.

- The camera automatically switches to night vision mode when ambient light is insufficient.
- The starlight lens (F/1.6 aperture) enhances low-light performance, offering a night vision range of up to 30 meters.

Figure 8: Comparison of starlight lens night vision (top) providing full-color clarity versus a normal lens (bottom) in low light conditions.

4. Two-Way Audio

Use the two-way audio feature to communicate with visitors or deter intruders.

- In the live view, tap the microphone icon to speak through the camera's speaker.
- The camera's built-in microphone allows you to hear audio from the camera's vicinity.

5. Recording and Storage

The camera offers multiple storage options for recorded footage:

- **MicroSD Card:** Supports up to 256GB microSD card (not included) for local storage.
- **Cloud Storage:** Optional 30-day cloud storage service (subscription may be required).
- **NVR:** Supports Network Video Recorder (NVR) for 24/7 continuous recording.
- **FTP:** Supports FTP for uploading recordings to an FTP server.

Figure 9: Overview of the camera's four storage options: MicroSD card (up to 256GB), 30-day Cloud, NVR (7/24 Recording), and FTP

6. Device Compatibility

Access and manage your camera from various devices and platforms:

- **Mobile App:** Ctronics Pro (iOS, Android)
- **PC Client:** HiP2P Client (Windows, Mac OS)
- **Web Browser:** Access via web browser for live view and settings.

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 available firmware updates. Keeping the firmware updated ensures optimal performance and security.
- **Power Supply:** Ensure the power adapter and cable are free from damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera offline	No power; Wi-Fi signal weak or disconnected; incorrect Wi-Fi password.	Check power connection; move camera closer to router or use a Wi-Fi extender; re-enter Wi-Fi password in app.
Poor image quality	Dirty lens; insufficient lighting; network bandwidth issues.	Clean the lens; ensure adequate lighting for optimal night vision; check network speed.
Motion detection not working	Detection sensitivity too low; detection zones not configured; human recognition disabled.	Adjust sensitivity in app; configure detection zones; enable human recognition.
Two-way audio issues	Microphone/speaker muted in app; network latency.	Ensure audio is enabled in app; check network connection.

SPECIFICATIONS

Feature	Detail
Model Number	930C-4K
Video Resolution	4K (3840 pixels)
Zoom	10x Hybrid Zoom (6x Optical + 4x Digital)
Pan/Tilt Range	Pan 355°, Tilt 90°
Lens Type	Dual Lens (Narrow 50°/8mm, Wide 90°/3.6mm)
Night Vision	4K Full-Color Starlight Night Vision (F/1.6), up to 30 meters
Audio	Two-Way Audio
Connectivity	Dual-Band Wi-Fi (2.4GHz, 5GHz), Wired Ethernet
Storage Options	MicroSD (up to 256GB), Cloud, NVR, FTP
Weather Resistance	IP66
Power Supply	12 Volt, 12 Watt
Dimensions (L x W x H)	25 x 13 x 20 cm

Feature	Detail

Material	Metal
Mounting Type	Wall- and Ceiling-mount
Compatible Devices	Desktop, Laptop, Smartphone, Tablet

WARRANTY AND SUPPORT

Warranty Information

This product typically comes with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation included with your purchase or contact Ctronics customer support. Amazon's return policy for this product is 30 days for refund/replacement.

Customer Support

If you encounter any issues or have questions regarding your Ctronics camera, please contact Ctronics customer support through their official website or the contact information provided in the product packaging. You can also refer to the FAQ section within the Ctronics Pro app for common solutions.

Related Documents - 930C-4K

	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 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.
	Manuale della Telecamera Dual Lens Ctronics 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.

Dual Lens Camera Manual	**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.
DUAL LENS LINKAGE CAMERA USER MANUAL	**Ctronics Dual Lens Linkage Camera User Manual: Setup, Features, and Troubleshooting** 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.
	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.