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> Ctronics 4K Hybrid Zoom 10x Outdoor WiFi Surveillance Camera (Model 930-4KD) User Manual

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Model: 930-4KD

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Ctronics 4K Hybrid Zoom 10x Outdoor WiFi Surveillance Camera, Model 930-4KD. This camera is designed for outdoor security, featuring dual lenses, 10x hybrid zoom, auto-tracking, human detection, color night vision, two-way audio, and an IP66 weatherproof rating.



Image: Ctronics 4K Hybrid Zoom 10x Outdoor WiFi Surveillance Camera, Model 930-4KD.

1. SETUP AND INSTALLATION

1.1 Package Contents

Verify that all components are present in the package:

- Ctronics 4K Hybrid Zoom 10x Outdoor WiFi Surveillance Camera (Model 930-4KD)
- Power Adapter

- Mounting Screws and Anchors
- Waterproof Kit for Network Cable
- User Manual (this document)

1.2 Physical Installation

The camera is designed for outdoor use and ceiling mounting. Choose a location that provides optimal surveillance coverage and has a stable surface for mounting. Ensure the camera is within range of your Wi-Fi network or close to an Ethernet connection point.

1. Mark the drilling positions on the wall or ceiling using the mounting template (if provided, otherwise use the camera base).
2. Drill holes and insert the wall anchors.
3. Secure the camera base to the surface using the provided screws.
4. Adjust the camera angle as needed before final tightening.



Image: Example of a Ctronics dual-lens PTZ camera, similar to Model 930-4KD, mounted for outdoor surveillance.

1.3 Power and Network Connection

Connect the camera to power using the provided power adapter. For network connectivity, you have two options:

- **Wi-Fi Connection:** Ensure your Wi-Fi network is 2.4GHz or 5GHz compatible. Follow the in-app instructions for Wi-Fi setup.
- **Wired Connection:** Connect an Ethernet cable from your router to the camera's network port. Use the waterproof kit to protect the connection if installed outdoors.

1.4 App Installation and Configuration

Download the official Ctronics Pro app from your smartphone's app store (iOS or Android). Alternatively, use the HiP2P Client software for Windows or Mac OS.

1. Install the Ctronics Pro app on your smartphone or HiP2P Client on your computer.
2. Register an account and log in.
3. Follow the on-screen prompts to add your camera. This typically involves scanning a QR code on the camera or manually entering its ID.
4. Configure initial settings such as time zone, recording preferences, and alert notifications.



Image: The Ctronics multi-platform software interface, showing compatibility with desktop, laptop, tablet, and smartphone devices.

2. OPERATING INSTRUCTIONS

2.1 Live View and Recording

Once connected, access the live feed through the Ctronics Pro app or HiP2P Client. You can view real-time video, initiate manual recordings, and capture screenshots.

2.2 Advanced Features

- **10x Hybrid Zoom:** Utilize the digital controls in the app to zoom in and out, combining optical and digital zoom for detailed views.
- **Auto Zoom Tracking:** Enable this feature to allow the camera to automatically track detected human movement and zoom in for clearer identification.
- **Human Detection:** Configure motion detection zones and sensitivity. The camera will send alerts upon detecting human shapes, reducing false alarms.
- **Color Night Vision:** The camera employs Starlight vision technology and LED lights to provide full-color video even in low-light conditions, up to 30 meters.
- **Two-Way Audio:** Use the built-in microphone and speaker to communicate with visitors or deter intruders remotely.
- **PTZ Control:** Pan, Tilt, and Zoom the camera remotely via the app to adjust the viewing angle and cover a 360-degree area.



Image: The Ctronics 10x Hybrid Zoom camera, highlighting its advanced optical capabilities.

2.3 Storage Options

The camera supports local recording to a Micro SD card (up to 256GB). Ensure the card is inserted correctly and formatted through the app. Cloud storage options may also be available through the Ctronics service.

3. MAINTENANCE

- **Cleaning:** Regularly clean the camera lens and housing with a soft, damp cloth to ensure clear image quality. Do not use harsh chemicals.
- **Firmware Updates:** Check the Ctronics Pro app periodically for firmware updates. Keeping your camera's firmware updated ensures optimal performance and security.
- **Power Supply:** Ensure the power adapter and cable are free from damage.

4. TROUBLESHOOTING

Problem	Solution
Camera not connecting to Wi-Fi	Ensure the camera is within Wi-Fi range. Check Wi-Fi password. Try resetting the camera and re-adding it to the app. Verify your router supports 2.4GHz/5GHz.
No image or black screen	Check power connection. Ensure network connection is stable. Restart the camera and the app.
Motion detection alerts are too frequent/infrequent	Adjust motion detection sensitivity and detection zones in the app settings.
Two-way audio not working	Check microphone and speaker permissions in the app. Ensure volume levels are adequate.
SD card not recording	Ensure the SD card is inserted correctly and formatted within the app. Check if the card is full or corrupted. Replace if necessary.

5. SPECIFICATIONS

Feature	Detail
Model Name	930-4KD
Brand	Ctronics
Connectivity Technology	Wired, WiFi
Special Features	Two-Way Audio, Local Recording, UHD Resolution, PTZ Technology, Night Vision
Usage	Outdoor
Compatible Devices	Computer, Laptop, Smartphone, Tablet
Power Source	Electric Cable (12 Volts)

Feature	Detail
Mounting Type	Ceiling Mount
Color	Silver (argenté)
Form Factor	Dome
Material	Metal
Alert Type	Audio and Motion
Light Source Type	LED
Effective Capture Resolution	8 Megapixels
International Protection Rating	IP66
Control Method	Application
Wireless Technology	Bluetooth (for initial setup/pairing, likely)
Screen Capture Resolution	4K
Effective Video Resolution	3840.0 (likely 3840x2160 for 4K)
Night Vision Range	30 Meters
Night Vision Type	Starlight
Dimensions (L x W x H)	15 x 15 x 15 cm
Video Capture Format	MP4
Optical Zoom	6x
Focus Type	Auto Focus
Zoom Type	6x Optical Zoom + 4x Digital Zoom (10x Hybrid)
Optical Sensor Technology	CMOS
Flash Memory Type	Micro SD
Max Flash Memory Supported	256 GB

6. WARRANTY AND SUPPORT

For warranty information, technical support, or further assistance, please refer to the official Ctronics website or contact their customer service directly. Details are typically provided on the product packaging or the official Ctronics support page.

You can also find additional resources and FAQs on the Ctronics official website: www.ctronics.com

