

Ctronics CTIPC-950

Ctronics 4K Outdoor Security Camera CTIPC-950 (950C-4KB) Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, setup, and operation of your Ctronics 4K Outdoor Security Camera, model CTIPC-950 (950C-4KB). Please read this manual thoroughly before using the product to ensure proper functionality and safety. Keep this manual for future reference.



Figure 1: Ctronics 4K Outdoor Security Camera (Model CTIPC-950)

2. PRODUCT FEATURES

- **True 4K Ultra HD with Starlight Lens:** Experience superior image clarity day and night. Features vivid color night vision up to 30 meters.
- **Advanced AI Detection & Auto Tracking:** Accurately detects humans, vehicles, and pets. Automatically tracks moving targets to minimize false alarms.
- **Powerful Red & Blue Strobe Light with Siren Alarm:** Deters intruders effectively with visual and audible alerts.

- **8 Preset Positions & 4 Custom Detection Zones:** Configure specific camera positions for quick patrols and define areas for focused surveillance.
- **Privacy Masking Feature:** Protect sensitive areas by masking them from surveillance.
- **Flexible Installation & Multi-Device Remote Access:** Supports wall or ceiling mounting. Manage up to 36 cameras via the Ctronics app on mobile or PC, with split-screen viewing, group management, and multi-user sharing.
- **Dual-Band Wi-Fi:** Supports both 2.4GHz and 5GHz Wi-Fi for reliable and stable connection.
- **IP66 Weatherproof:** Durable metal construction ensures reliable operation in various outdoor conditions.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Ctronics 4K Security Camera (CTIPC-950 / 950C-4KB)
- Instruction Manual (this document)
- Mounting Screws and Wall Plugs
- Power Adapter

4. SETUP

4.1 Initial Power-On and Network Configuration

1. **Connect Power:** Plug the power adapter into the camera's power jack and then into a power outlet. The camera will power on and perform a self-test.
2. **Download the Ctronics App:** Search for "Ctronics" in your mobile device's app store (iOS or Android) and download the official application.
3. **Register/Log In:** Open the app and create a new account or log in with an existing one.
4. **Add Camera:** Tap the "+" icon in the app to add a new device. Select "Wireless Installation" or scan the QR code located on the camera body.
5. **Connect to Wi-Fi:** Follow the on-screen prompts to connect the camera to your home's dual-band (2.4GHz or 5GHz) Wi-Fi network. Ensure your phone's volume is turned up to maximum during sound-based configuration.

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Video 1: Wi-Fi Setting via Sound (S20-G model, similar process for CTIPC-950)

This video demonstrates the Wi-Fi setup process using sound configuration, which is applicable to various Ctronics camera models including the CTIPC-950. It shows how to power on the camera, open the rubber cover, and use the mobile app to connect to your home Wi-Fi network by entering the password and allowing the phone to transmit sound signals to the camera for configuration.

5. INSTALLATION

5.1 Mounting Location

Choose a suitable outdoor location for mounting. The camera supports both wall and ceiling installation. Ensure the chosen spot provides a clear view of the area you wish to monitor and has access to a power source.

5.2 Mounting Steps

1. **Mark Drill Holes:** Use the provided mounting template or the camera's base to mark the positions for drilling on the wall or ceiling.
2. **Drill Holes:** Drill pilot holes at the marked positions. Insert wall plugs if mounting on masonry or concrete.
3. **Secure the Base:** Attach the camera's mounting base to the wall or ceiling using the provided screws.
4. **Attach the Camera:** Securely attach the camera unit to the mounted base.

6. OPERATING INSTRUCTIONS

6.1 Live View and Pan/Tilt Control

Access the live feed through the Ctronics app. Use the on-screen controls to pan the camera horizontally up to 355° and tilt vertically up to 90° to adjust the viewing angle.

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Video 2: Ctronics 4K Security Camera Overview (Model 930C, similar features for CTIPC-950)

This video provides an overview of a Ctronics 4K security camera, highlighting its 355° pan and 90° tilt capabilities, 4K UHD resolution, starlight lens for night vision, AI detection for humans, pets, and vehicles, and the red and blue alarm light with siren. It also shows the metal body, IP67 weatherproof rating, 24/7 recording, dual-band Wi-Fi, and cloud/SD card storage options.

6.2 AI Detection and Auto Tracking

The camera's advanced AI can differentiate between humans, vehicles, and pets. When motion is detected, the camera can automatically track the moving object and send real-time notifications to your linked devices.

6.3 Night Vision Modes

The camera offers multiple night vision options:

- **Color Night Vision:** Utilizes the starlight lens to provide full-color images in low-light conditions up to 30 meters.
- **Infrared (IR) Night Vision:** Provides clear black-and-white images in complete darkness.

6.4 Alarm Functions

Upon detection of an intruder, the camera can activate its red and blue strobe lights and a loud siren to deter unwanted visitors. You will also receive instant alerts on your mobile device.

6.5 Preset Positions and Detection Zones

Configure up to 8 preset camera positions for quick navigation to frequently monitored areas. Define up to 4 customizable motion detection zones to focus surveillance on critical areas and reduce irrelevant alerts.

6.6 Two-Way Audio

Use the built-in microphone and speaker to communicate with visitors or deter intruders directly through the app.

7. SPECIFICATIONS

| Feature | Description |
|---------------------------------|---|
| Model Name | CTIPC-950 (950C-4KB) |
| Indoor/Outdoor Usage | Outdoor |
| Video Capture Resolution | 3840 (4K UHD) |
| Effective Still Resolution | 8 MP |
| Night Vision Range | 50 Meters (Color Night Vision up to 30m) |
| Connectivity Technology | Wireless (Dual-Band Wi-Fi: 2.4GHz, 5GHz), Ethernet, ONVIF, RTSP |
| Power Source | Corded Electric (12 Volts, 12 Watts) |
| Controller Type | Ctronics APP |
| Mounting Type | Wall Mount, Ceiling Mount |
| International Protection Rating | IP66 (Weatherproof) |
| Material | Metal |
| Item Dimensions (L x W x H) | 5.91 x 5.91 x 5.91 inches |
| Item Weight | 2.2 pounds |
| Storage Options | Micro SD (up to 256GB), FTP, NAS, Cloud Storage |

8. MAINTENANCE

- **Regular Cleaning:** Periodically 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 app regularly for firmware updates to ensure optimal performance and security.
- **Power Supply Check:** Ensure the power adapter and cable are free from damage and properly connected.
- **Network Stability:** Verify your Wi-Fi network is stable to maintain continuous camera operation.

9. TROUBLESHOOTING

- **Camera Not Connecting to Wi-Fi:**
 - Ensure the camera is within range of your Wi-Fi router.
 - Verify the Wi-Fi password is correct.
 - Try restarting the camera and your router.
 - Ensure your router supports 2.4GHz or 5GHz bands and that the camera is attempting to connect to the correct band.
- **Poor Image Quality:**
 - Clean the camera lens.
 - Check your network connection speed. A slow connection can affect streaming quality.

- Ensure there are no obstructions blocking the camera's view.

- **False Alarms:**

- Adjust the sensitivity settings for motion detection in the app.
- Configure detection zones to exclude areas with frequent irrelevant motion (e.g., moving trees).
- Ensure AI detection for humans/vehicles/pets is enabled to filter out other movements.






- **No Power:**

- Check if the power adapter is securely plugged into both the camera and the power outlet.
- Test the power outlet with another device to ensure it is functional.

10. WARRANTY AND SUPPORT

Your Ctronics 4K Outdoor Security Camera is covered by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation included with your purchase or visit the official Ctronics website. For technical support, troubleshooting assistance, or any product-related inquiries, please contact Ctronics customer service through the contact information provided on their website or within the Ctronics app.

Related Documents - CTIPC-950

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|---|--|
|  | <p>Ctronics CTIPC-285C Indoor Wi-Fi Camera User Manual</p> <p>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.</p> |
|  | <p>Ctronics PTZ Wireless Camera Operation Manual: Setting Up Spotlight Deterrence and Auto-Tracking</p> <p>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.</p> |
|  | <p>Ctronics 4G LTE Outdoor Camera User Manual</p> <p>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.</p> |
|  | <p>Ctronics CTIPC Series IP Camera App Operation Manual</p> <p>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.</p> |
|  | <p>Ctronics Dual Lens Camera Manual: Setup, App, and PC Software Guide</p> <p>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.</p> |



[Ctronics CTIPC550C IP Network Camera Setup Manual](#)

Comprehensive setup guide for the Ctronics CTIPC550C IP Network Camera. Learn how to configure motion detection, human detection, alarm settings, floodlight deterrence, auto-tracking, and patrol functions for enhanced security.