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› Ctronics 5x Optical Zoom Outdoor Wi-Fi PTZ Security Camera User Manual

Ctronics 700-2MPB-Z5

Ctronics 5x Optical Zoom Outdoor Wi-Fi PTZ Security Camera User Manual

Model: 700-2MPB-Z5

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Ctronics 5x Optical Zoom Outdoor Wi-Fi PTZ Security Camera. Please read this manual thoroughly before using the product to ensure correct usage and to prevent damage. Keep this manual for future reference.

PACKAGE CONTENTS

Verify that all components are present in the package:

- Ctronics Security Camera
- Power Adapter (with approximately 3m cable)
- Mounting Screws and Wall Plugs
- Waterproof Kit for Network Cable
- Quick Start Guide

PRODUCT OVERVIEW AND KEY FEATURES

The Ctronics 5x Optical Zoom Outdoor Wi-Fi PTZ Security Camera is designed for robust outdoor surveillance, offering advanced features for enhanced security.

5x Optical Zoom and PTZ Control

This camera features a 5x optical zoom lens, allowing you to magnify distant objects without compromising image clarity. The Pan-Tilt-Zoom (PTZ) functionality provides a 355° horizontal pan and 90° vertical tilt, enabling comprehensive coverage of large areas. Control the camera's movement remotely via the mobile application or PC software.

True 5x Optical Zoom

Get 5x Closer Without Losing Clarity



Image: The camera's 5x optical zoom capability, showing a clear magnification of a distant subject.

Dual-Band Wi-Fi Connectivity

The camera supports both 2.4 GHz and 5 GHz Wi-Fi networks, offering flexibility for network connection. The 2.4 GHz band provides a stronger signal for larger areas, while the 5 GHz band offers faster performance with less lag, utilizing a 5dBi antenna for improved signal reception.

Dual-Band WiFi



Image: Visual representation of the camera's dual-band Wi-Fi capabilities (2.4GHz and 5GHz) with antenna.

Smart Detection & Auto-Tracking

Equipped with advanced AI technology, the camera provides precise human detection, significantly reducing false alarms. When a person is detected, the camera automatically tracks their movement, ensuring continuous surveillance. Detection zones and sensitivity levels are customizable to suit specific monitoring needs.

Smart Detection & Auto-Tracking

Customize Detection Area & Sensitivity for Precision Alerts.



Image: The camera's smart detection and auto-tracking features in action, highlighting movement in a monitored area.

Color Night Vision & Customizable Alarms

With powerful white light LEDs, the camera delivers clear color night vision up to 30 meters, even in complete darkness. Upon detection, the bright flash and siren can activate automatically. Alarm sounds are flexible and can be customized to deter intruders effectively.

Stay Alert with Sound & Spotlights

Customize alarm sounds for different situations

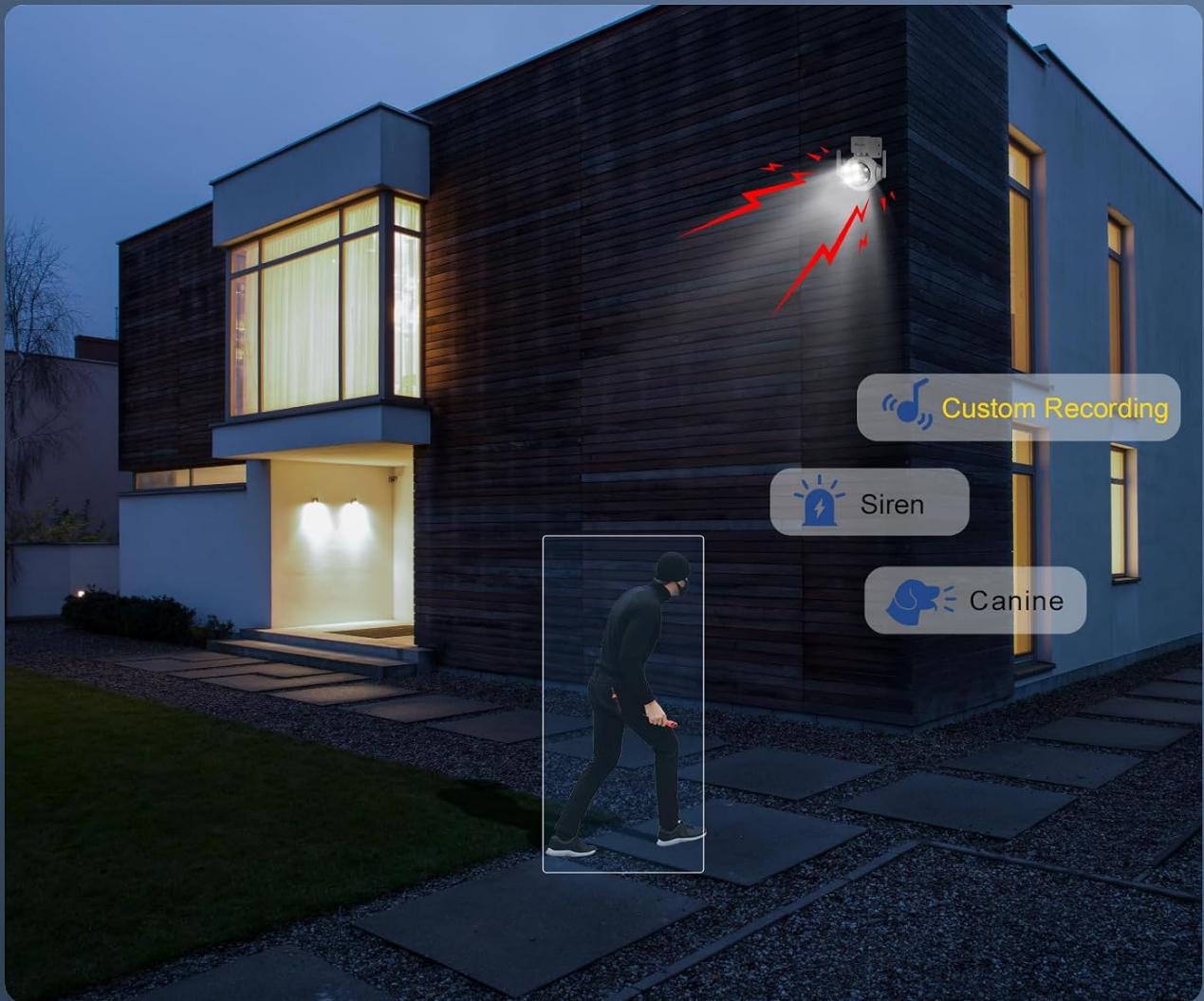


Image: The camera's night vision and alarm features, showing a spotlight illuminating a detected person and icons for customizable alarm sounds.

Flexible Storage Options

Recordings can be stored flexibly on a Micro SD card (up to 128GB, not included), in the cloud, on a Network Attached Storage (NAS) device, FTP servers, or via ONVIF protocols. This provides multiple options for secure data retention.

Secure, Flexible Storage Options

NAS NVR
24/7



Image: Illustration of the camera's secure and flexible storage options, including NAS, cloud, and Micro SD card.

Remote Access and Multi-Camera Control

Access live video feeds and recordings remotely at any time via the Ctronics mobile application or PC client (Windows/Mac). The application allows simultaneous monitoring of up to 4 cameras and supports group management for multiple Ctronics devices. Choose from scheduled, continuous, or detection-based recording options.

Access Anytime, Anywhere

Enhanced Convenience with PC Client Support



Image: The camera's remote access capabilities, showing live feeds on various devices (PC, laptop, tablet, smartphone).

IP66 Weather Resistance

The camera boasts an IP66 weather-resistant rating, ensuring reliable operation in various outdoor conditions, including rain, snow, and sun. It is designed for both wall and ceiling mounting.



Image: The camera's IP66 weather resistance, depicted in different outdoor mounting scenarios and during rainfall.

SETUP

1. Physical Installation

Choose a suitable outdoor location for mounting the camera, ensuring a clear field of view and access to a power source. The camera supports both wall and ceiling mounting. Use the provided mounting screws and wall plugs to securely attach the camera bracket.

2. Power Connection

Connect the camera to the power adapter and plug it into a standard electrical outlet. Ensure the power cable is routed safely and protected from environmental elements. An extension may be required for installations far from a power source.

3. Network Connection

The camera can be connected to your network via Wi-Fi or Ethernet cable.

- **Wi-Fi Setup:** Power on the camera. Download the Ctronics app on your smartphone. Follow the in-app instructions to add the camera and connect it to your 2.4 GHz or 5 GHz Wi-Fi network.
- **Ethernet Setup:** Connect an Ethernet cable from your router to the camera's network port. Use the provided waterproof kit to protect the Ethernet connection from moisture. The camera should automatically connect to the network.

4. App Installation & Initial Setup

Download the official Ctronics app from your device's app store (iOS/Android) or the PC client from the Ctronics website. Register an account and follow the on-screen prompts to add your camera. This typically involves scanning a QR code on the camera or manually entering its ID.

OPERATING INSTRUCTIONS

1. Live View

Open the Ctronics app or PC client and select your camera to view the live feed. You can switch between standard and high-definition video quality.

2. PTZ Control

In the live view interface, use the directional controls to pan (left/right) and tilt (up/down) the camera. You can also set preset positions for quick navigation to specific areas.

3. Zoom Control

Use the zoom controls in the app to adjust the 5x optical zoom. Pinch-to-zoom gestures may also be supported on mobile devices.

4. Motion Detection & Alerts

Configure motion detection settings in the app. You can define detection zones, adjust sensitivity, and set up notification preferences (e.g., push notifications, email alerts). Enable auto-tracking for detected human figures.

5. Recording & Playback

Access recorded footage through the app's playback section. You can filter recordings by date and time. Ensure an SD card is inserted or cloud/NAS storage is configured for continuous or event-based recording.

6. Two-Way Audio

Utilize the built-in microphone and speaker for two-way communication. Press the microphone icon in the app to speak through the camera, and listen to audio from the camera's vicinity.

7. Night Vision Modes

The camera automatically switches to night vision in low light. You can typically choose between infrared (black and white) and color night vision modes in the app settings, depending on your preference and the lighting conditions.

MAINTENANCE

1. Cleaning

Regularly clean the camera lens and housing with a soft, damp cloth. Avoid using harsh chemicals or abrasive materials that could damage the lens or finish.

2. Firmware Updates

Check for firmware updates periodically through the Ctronics app. Keeping the firmware updated ensures optimal performance, security, and access to new features.

3. Storage Management

If using an SD card, regularly review and manage stored footage to prevent the card from filling up. For cloud storage, monitor your subscription and storage limits. Back up important recordings as needed.

TROUBLESHOOTING

- **Camera not connecting to Wi-Fi:** Ensure the camera is within range of your router. Verify Wi-Fi password and network name. Try restarting the camera and router. Ensure you are connecting to a supported 2.4 GHz or 5 GHz network.
- **No image or poor image quality:** Check power connection. Ensure the lens is clean. Verify network connection stability. Adjust camera position for optimal lighting.
- **Motion detection not working:** Check detection zone settings and sensitivity in the app. Ensure notifications are enabled. Verify that the camera's time is synchronized.
- **Cannot access recordings:** Ensure an SD card is properly inserted and formatted, or cloud/NAS storage is correctly configured and active. Check recording schedules.
- **PTZ control unresponsive:** Check network connection. Restart the camera. Ensure no physical obstructions are impeding movement.

TECHNICAL SPECIFICATIONS

Feature	Specification
Model Name	CTIPC-700C-2MPB-Z5
Video Recording Resolution	1080p
Effective Video Resolution	1920
Optical Zoom	5x
Pan/Tilt Angle	355° Pan / 90° Tilt
Viewing Angle	90 Degrees
Wireless Communication	Wi-Fi (2.4 GHz / 5 GHz)
Connectivity Protocol	Ethernet
Night Vision Range	30 Meters (Color Night Vision)
Frame Rate	15 frames per second
Storage Options	Micro SD (up to 128GB), Cloud, NAS, FTP, ONVIF
Power Source	Electric Cable (12 Volts, 12 Watts)
Material	Acrylonitrile Butadiene Styrene (ABS)
Water Resistance Level	IP66 (Hydrofuge)
Item Dimensions (L x W x H)	20 x 13 x 16 centimeters
Mounting Type	Screw-in (Wall Mount)
Compatible Devices	Computer, Laptop, Smartphone, Tablet

WARRANTY INFORMATION

Ctronics products typically come with a manufacturer's warranty. Please refer to the warranty card included in your product packaging or visit the official Ctronics website for detailed warranty terms and conditions. Keep your purchase receipt as proof of purchase for warranty claims.

CUSTOMER SUPPORT

For technical assistance, troubleshooting, or any questions regarding your Ctronics security camera, please contact Ctronics customer support. You can usually find contact information (email, phone, or support portal) on the official Ctronics website or within the Ctronics mobile application.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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