

Ctronics 990C-5MP

Ctronics 5MP PTZ Outdoor WiFi Security Camera

Model: 990C-5MP - User Manual

1. INTRODUCTION

Thank you for choosing the Ctronics 5MP PTZ Outdoor WiFi Security Camera. This manual provides essential information for the proper installation, setup, and operation of your new security camera. Please read this manual thoroughly before use and retain it for future reference.

2. WHAT'S IN THE BOX

- Ctronics 5MP PTZ Outdoor WiFi Security Camera
- Power Adapter
- Mounting Screws and Anchors
- Waterproof Kit
- Quick Start Guide
- Drilling Template

3. PRODUCT OVERVIEW

The Ctronics 5MP PTZ Outdoor WiFi Security Camera is designed to provide comprehensive surveillance with advanced features for enhanced home security. Key features include:

- **5MP Super HD Resolution:** Captures clear and detailed images (2880x1620P).
- **AI Detection & Auto-Tracking:** Intelligently identifies and tracks humans, vehicles, and animals, reducing false alarms.
- **Dual-Band WiFi (2.4/5GHz):** Ensures stable and fast wireless connectivity.
- **Three Night Vision Modes:** Infrared, Full-Color, and Smart night vision up to 30 meters.
- **Two-Way Audio:** Allows for real-time communication through the camera.
- **PTZ Control & 360° Coverage:** Pan 355° and Tilt 90° for wide area monitoring.
- **Flexible Storage Options:** Supports Micro SD card (up to 128GB), Cloud storage, FTP, and NVR.
- **IP66 Weatherproof:** Durable design for outdoor use in various weather conditions.

Vision Super HD 5MP

Capturez des détails plus nets



Figure 3.1: Ctronics 5MP PTZ Outdoor WiFi Security Camera. This image shows the camera mounted on a wall, highlighting its design and dual antennas.

Your browser does not support the video tag.

Video 3.1: Ctronics 5MP PTZ Outdoor WiFi Security Camera Overview. This video demonstrates the camera's 355° pan and 90° tilt, 360° field of view, remote access, 4X digital zoom, cloud storage, 128GB TF card support, smart sound and light alarm, precise intelligent night vision, human/vehicle/animal detection, two-way audio, and IP66 waterproof rating.

4. INSTALLATION

The camera is designed for outdoor use and can be mounted on a wall or ceiling. Ensure the mounting location provides a clear field of view and stable WiFi signal.

4.1 Mounting Options

The camera supports both wall and ceiling mounting. Use the provided drilling template and hardware for secure installation.



Figure 4.1: Flexible Installation Options. This image illustrates how the camera can be mounted on a wall or suspended from a ceiling, offering versatility for different outdoor setups.

4.2 Weatherproof Design

The camera has an IP66 rating, making it resistant to dust and water. It can operate effectively in various weather conditions, from 0°C to 55°C.



Figure 4.2: IP66 Weatherproof Protection. The camera is shown mounted on an outdoor wall during rain, demonstrating its robust IP66 weatherproof construction, designed to withstand various environmental conditions.

5. SETUP

5.1 App Download and Account Creation

1. Download the "Ctronics Pro" app from your smartphone's app store (iOS or Android).
2. Register for a new account or log in if you already have one.

5.2 Camera Connection

1. Power on the camera using the provided power adapter.
2. Open the "Ctronics Pro" app and follow the on-screen instructions to add a new device.
3. Select your 2.4GHz or 5GHz WiFi network and enter the password. The camera supports dual-band WiFi for flexible connectivity.
4. Scan the QR code displayed on your phone with the camera lens.
5. Once connected, you can name your camera and begin live viewing.

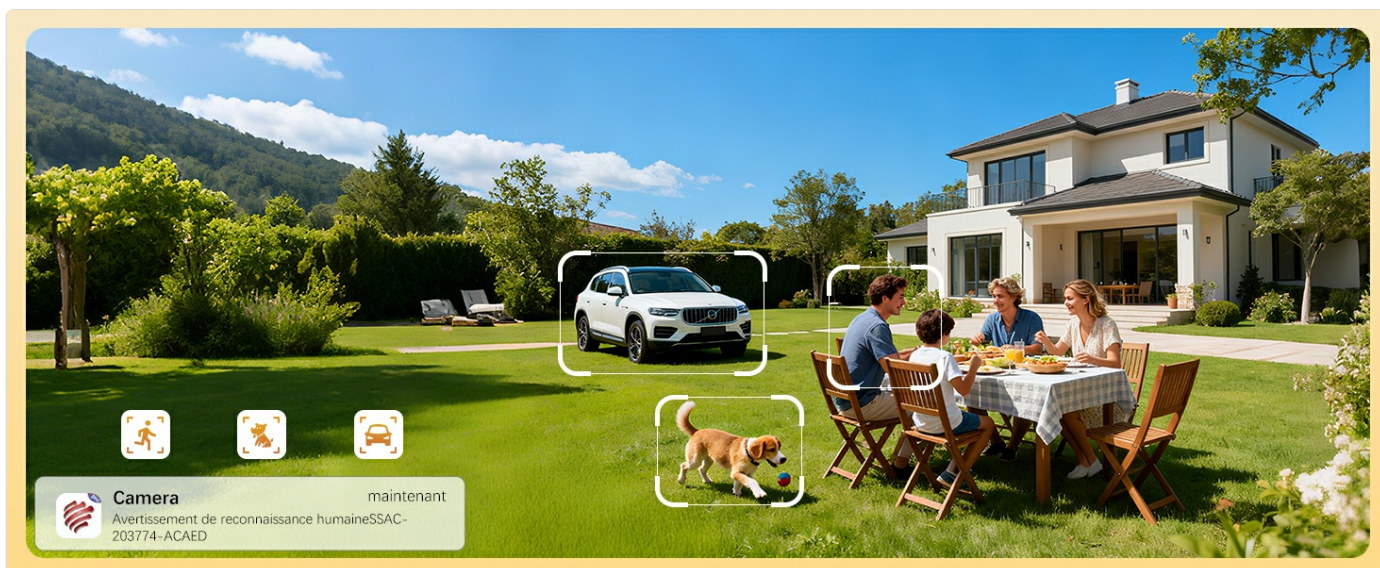


Figure 5.1: Quick Installation and Easy Control. This image shows a hand holding a smartphone displaying the camera's live feed, with the camera mounted on a wall, illustrating the straightforward setup process via dual-band WiFi and Bluetooth pairing.

6. OPERATION

6.1 AI Detection and Auto-Tracking

The camera features advanced AI algorithms to accurately detect humans, vehicles, and animals, minimizing false alarms caused by environmental factors. When motion is detected, the camera can automatically track the subject and send instant notifications to your phone.

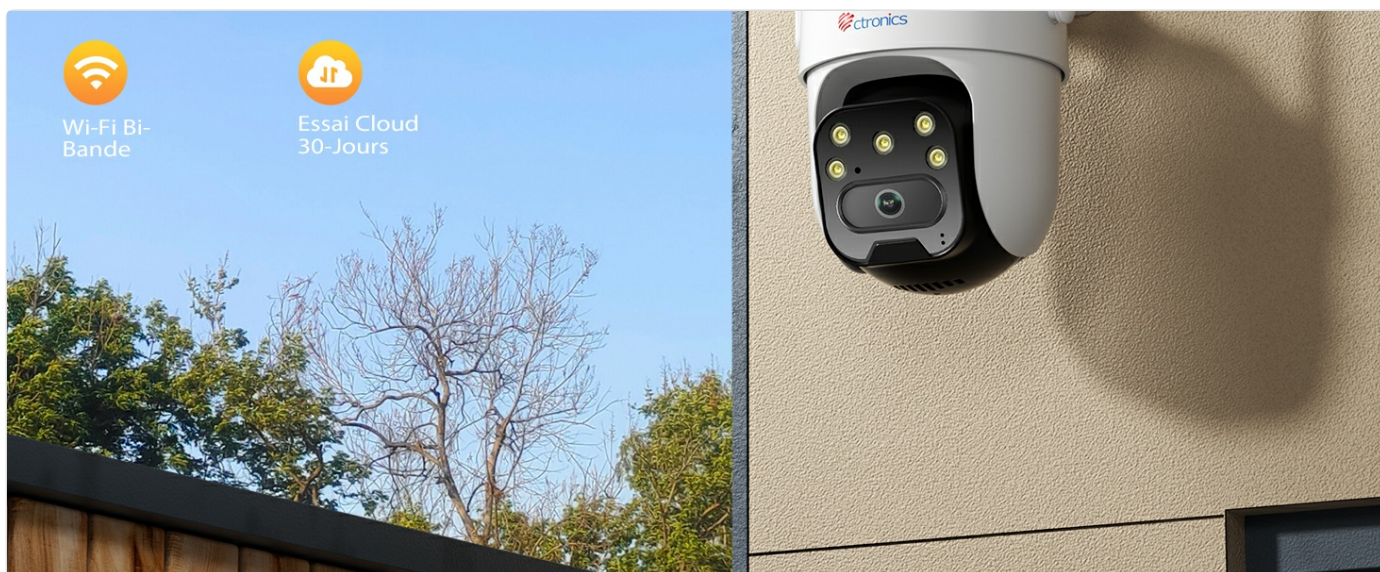


Figure 6.1: Intelligent AI Detection. An outdoor scene where the camera is actively detecting and outlining a person, a dog, and a car, showcasing its advanced AI capabilities to differentiate subjects and reduce false alerts.

6.2 Night Vision Modes

Choose from three night vision modes to suit your needs:

- **Infrared Night Vision:** Provides clear black and white images in complete darkness.
- **Full-Color Night Vision:** Utilizes built-in spotlights to capture color images at night.
- **Smart Night Vision:** Automatically switches from infrared to full-color when motion is detected.



Figure 6.2: Versatile Night Vision. This image displays two views of an outdoor gathering at night: one in vibrant color and the other in black and white infrared, demonstrating the camera's ability to provide clear visuals in various low-light conditions.

6.3 Two-Way Audio

The integrated two-way audio system allows you to communicate with visitors or deter intruders directly through the camera using the "Ctronics Pro" app. The system filters background noise for clear communication.

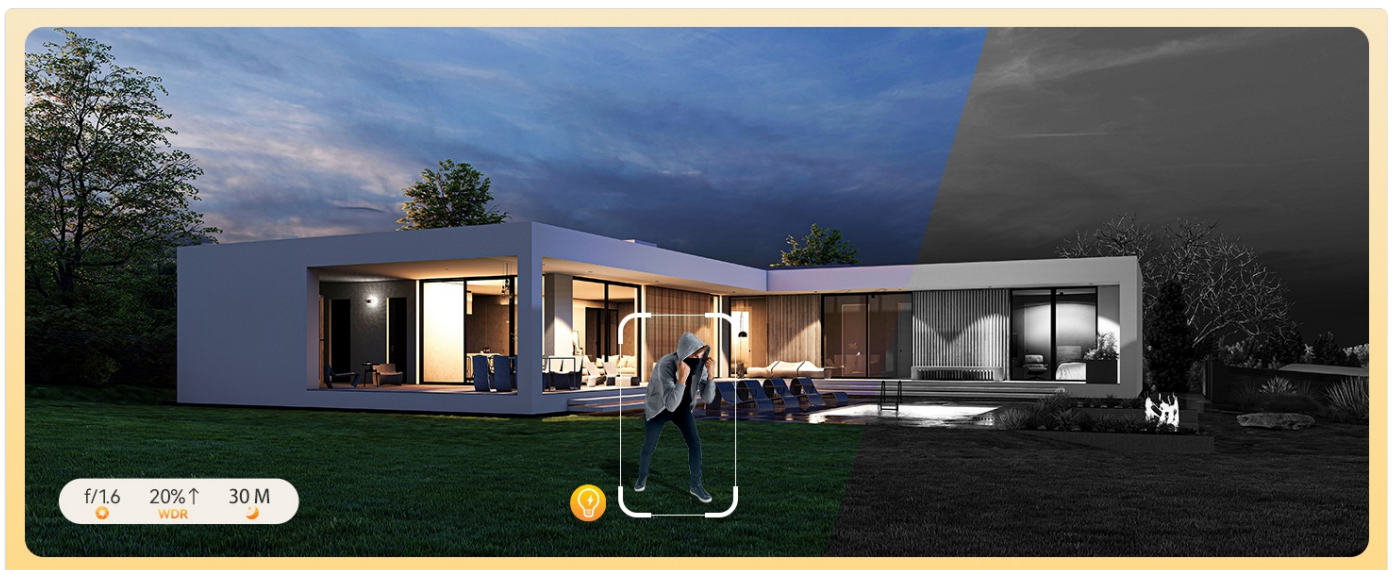


Figure 6.3: Intelligent Sound and Light Alarm. This image depicts the security camera activating a bright light and an audible alarm to deter an individual attempting to access a car, with a smartphone notification indicating the alert.

6.4 PTZ Control and 360° Coverage

Control the camera's pan (355°) and tilt (90°) movements remotely via the app to monitor a wide area. You can also set up to 8 customizable preset positions for quick access to key surveillance points.

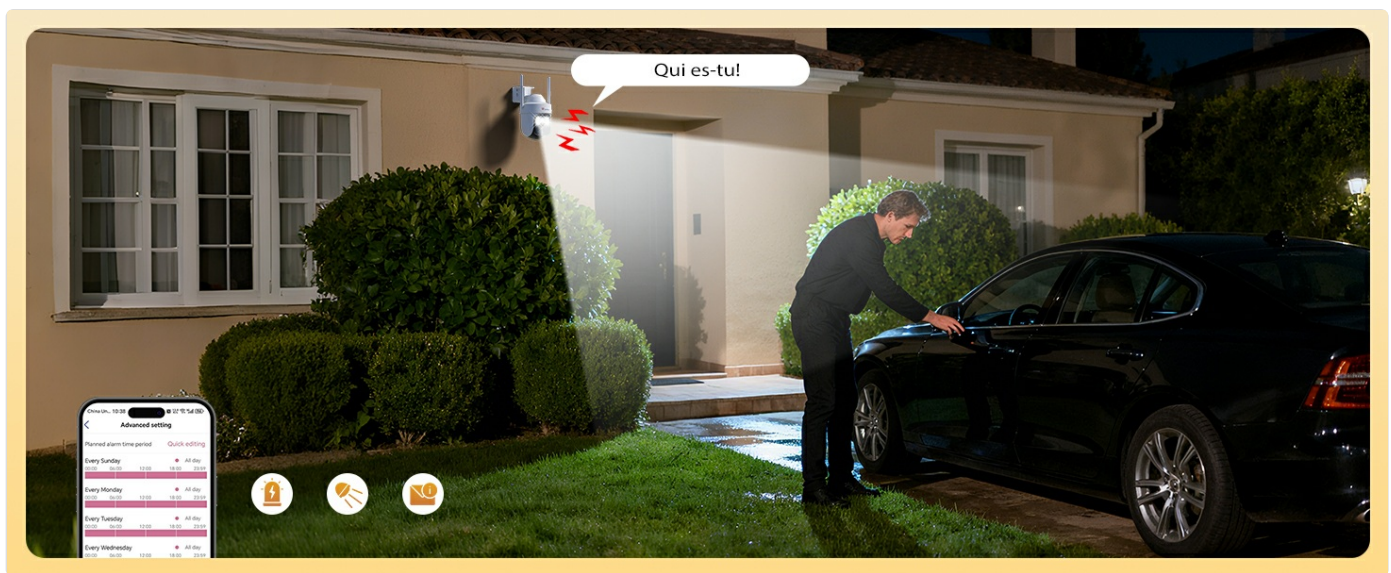


Figure 6.4: Customizable Protection. An illustration of a modern house with designated detection zones (Zone 1, Zone 2) and a masked video area, demonstrating the camera's ability to define specific surveillance and privacy regions.

6.5 Storage Options

The camera offers multiple storage solutions for your recordings:

- **Micro SD Card:** Supports up to 128GB (not included).
- **Cloud Storage:** Secure encrypted cloud storage with a 30-day free trial.
- **FTP/NVR:** Compatible with FTP servers and Network Video Recorders for continuous recording.



Figure 6.5: Flexible Storage Solutions. This image highlights the camera's various storage options, including a Micro SD card slot supporting up to 128GB, a 30-day free trial for encrypted Cloud storage, and compatibility with FTP and NVR systems.

7. 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 camera is connected to a stable power source.

8. TROUBLESHOOTING

Issue	Possible Cause	Solution
Camera offline	Weak WiFi signal, incorrect WiFi password, power loss.	Check router, ensure strong signal, re-enter WiFi password in app, verify power connection.
No image/video	Camera not powered, network issue, app malfunction.	Check power, restart camera and router, reinstall app.
Frequent false alarms	Sensitivity too high, environmental factors (e.g., moving branches).	Adjust detection sensitivity in app, define specific detection zones, enable AI detection for specific objects.
Night vision unclear	Dirty lens, insufficient ambient light for color mode, IR lights blocked.	Clean lens, ensure adequate lighting for color night vision, check for obstructions.

9. SPECIFICATIONS

Feature	Detail
Model Name	990C-5MP
Effective Resolution	5 Megapixels (2880x1620P)
Connectivity Technology	Wired, Wi-Fi (2.4GHz/5GHz)
Special Features	Two-Way Audio, Weather Resistant, HD Resolution, PTZ Technology, Night Vision
Usage Environment	Outdoor
Power Source	AC Power (12 Volts, 12 Watts)
Control Method	Application (Ctronics Pro)
IP Rating	IP66
Night Vision Range	30 Meters
Max Flash Memory Supported	128 GB (Micro SD)
Video Encoding	H.265
Video Capture Format	MP4
Optical Sensor Technology	CMOS
Digital Zoom Ratio	4x
Dimensions	16.8 x 14.3 x 19.5 cm
Weight	670 Grams

10. WARRANTY AND SUPPORT

Ctronics products come with a standard warranty. For detailed warranty information, technical support, or service inquiries, please visit the official Ctronics website or contact their customer service directly. Ensure you have your product model number (990C-5MP) and purchase details ready when contacting support.

Ctronics Official Website: www.ctronics.com

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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