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› [Ctronics](#) /

› Ctronics 2.5K 4MP Outdoor WiFi Surveillance Camera User Manual

Ctronics 690

Ctronics 2.5K 4MP Outdoor WiFi Surveillance Camera

Model: 690

[Introduction](#) [Safety](#) [Contents](#) [Overview](#) [Setup](#) [Operation](#) [Maintenance](#) [Troubleshooting](#) [Specifications](#)

1. INTRODUCTION

Thank you for choosing the Ctronics 2.5K 4MP Outdoor WiFi Surveillance Camera. This manual provides detailed instructions for the installation, operation, and maintenance of your new security camera. Please read this manual thoroughly before use and keep it for future reference.

This camera is designed to provide high-definition surveillance with advanced features such as human detection, automatic tracking, dual-band Wi-Fi connectivity, and two-way audio, ensuring comprehensive monitoring of your outdoor spaces.



Image: The Ctronics 2.5K 4MP Outdoor WiFi Surveillance Camera, showcasing its sleek design and a mobile phone screen displaying its high-resolution video feed.

2. SAFETY INFORMATION

Please observe the following safety precautions to prevent damage to the product and ensure your safety:

- Use only the power adapter provided with the camera.
- Do not expose the camera to extreme temperatures, humidity, or direct sunlight.
- Ensure the camera is installed securely to prevent it from falling.
- Do not attempt to disassemble or modify the camera. This will void the warranty.
- Keep the camera and its accessories out of reach of children.
- Adhere to local laws and regulations regarding surveillance camera usage and privacy.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Ctronics 2.5K 4MP Outdoor WiFi Surveillance Camera
- Power Adapter
- Mounting Screws and Wall Plugs
- Waterproof Kit for Ethernet Cable (if applicable)
- Ethernet Cable
- User Manual



Image: A visual representation of the camera and its included accessories, such as the power adapter, mounting hardware, and user manual.

4. PRODUCT OVERVIEW

Familiarize yourself with the main components of your Ctronics camera:

Component	Description
Camera Lens	Captures video footage.
IR LEDs / White Lights	Provide illumination for night vision (infrared and full-color).
Microphone	Captures audio for two-way communication.
Speaker	Outputs audio for two-way communication and alerts.
Antennas	For Wi-Fi connectivity (2.4GHz and 5GHz).
Ethernet Port (RJ45)	For wired network connection.
Power Port	Connects to the power adapter.

Component	Description
SD Card Slot	For local storage (supports up to 128GB, not included).
Reset Button	Used to reset the camera to factory settings.

5. SETUP

5.1 Physical Installation

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

- Choose Location:** Select a suitable outdoor location, ensuring it is within Wi-Fi range or near an Ethernet port.
- Mark Drilling Points:** Use the mounting template (if provided) or the camera base to mark the screw holes on the wall or ceiling.
- Drill Holes:** Drill holes at the marked positions and insert the wall plugs.
- Mount Camera:** Secure the camera base to the wall/ceiling using the provided screws.
- Adjust Angle:** Loosen the adjustment screws to set the desired viewing angle, then tighten them to secure the camera.



Two Installation Methods

Easy to Install



Image: Demonstrates two common installation methods: ceiling mounting and wall mounting, highlighting the camera's adaptability for various outdoor placements.

5.2 Network Connection

The camera supports both Wi-Fi (2.4GHz and 5GHz) and wired Ethernet connections.

Wi-Fi Connection:

1. **Power On:** Connect the camera to power using the provided adapter.
2. **Download App:** Download the "CTRONICS PRO" app from your mobile device's app store (iOS/Android).
3. **Add Device:** Open the app, register an account, and follow the on-screen instructions to add your camera. Select Wi-Fi connection.
4. **Select Wi-Fi Network:** Choose your 2.4GHz or 5GHz Wi-Fi network and enter the password. The camera will connect automatically.

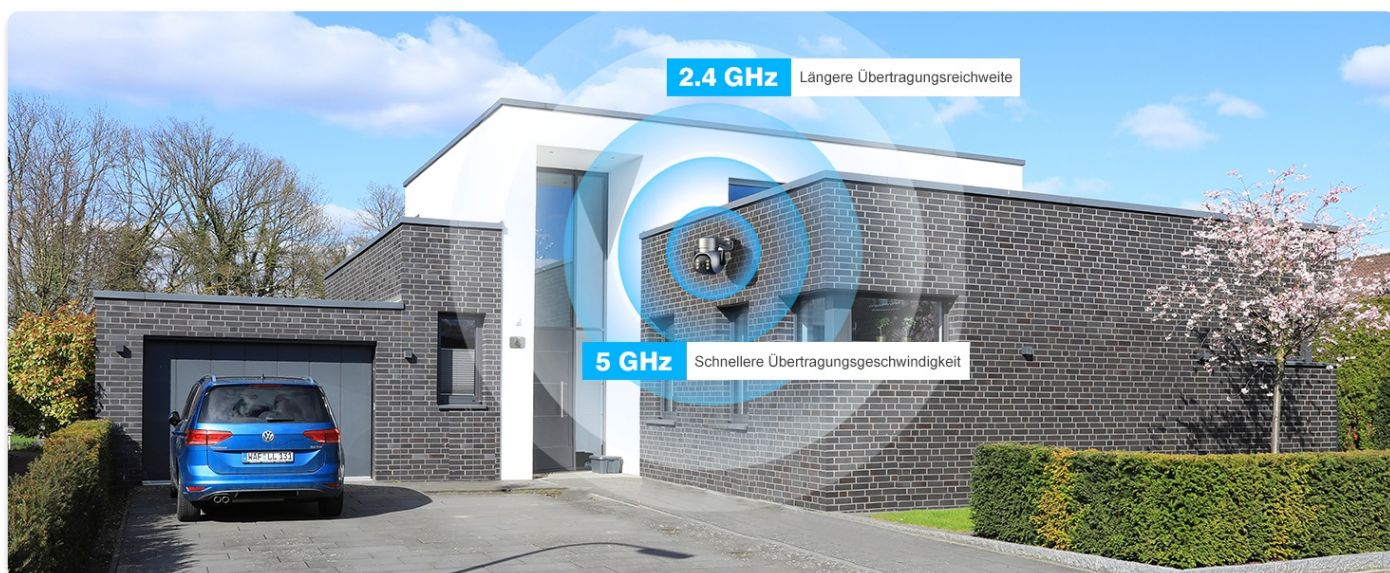


Image: Illustrates the camera's dual-band Wi-Fi capability, showing both 2.4 GHz (longer transmission distance) and 5 GHz (faster data speed) signals around a house.

Ethernet Connection:

1. **Power On:** Connect the camera to power.
2. **Connect Ethernet Cable:** Connect one end of the Ethernet cable to the camera's RJ45 port and the other end to your router.
3. **Download App:** Download the "CTRONICS PRO" app.
4. **Add Device:** Open the app and follow the instructions to add the camera via wired connection.

5.3 App Installation and Initial Setup

The CTRONICS PRO app is your primary interface for managing the camera.

- **Account Registration:** Create an account or log in if you already have one.
- **Device Pairing:** Follow the in-app wizard to pair your camera. This usually involves scanning a QR code on the camera or searching for devices on your local network.
- **Initial Settings:** Configure basic settings such as camera name, time zone, and recording preferences.



Image: Displays the broad compatibility of the Ctronics camera system, showing it can be accessed and managed from various devices including smartphones (iOS/Android), tablets, laptops (Mac/Windows), and desktop computers, using the Ctronics Pro app or HIP2P Client software.

6. OPERATION

6.1 Live View

Access the live video feed from your camera through the CTRONICS PRO app or HIP2P client software on your computer.

- Open the app and select your camera from the device list.
- The live feed will appear, allowing you to monitor your property in real-time.

6.2 Pan/Tilt/Zoom Control

Control the camera's viewing angle remotely.

- On the live view screen, use the directional controls (usually a joystick or arrows) to pan (rotate horizontally up to 355°) and tilt (rotate vertically up to 90°) the camera.
- Use the pinch-to-zoom gesture or dedicated buttons for 4x digital zoom to see more details.



Image: Illustrates the camera's Pan-Tilt-Zoom (PTZ) capabilities, showing its 355-degree horizontal rotation and 90-degree vertical tilt, allowing for extensive area coverage.

6.3 Two-Way Audio

Communicate with people near the camera or deter intruders.

- Tap the microphone icon in the app's live view to speak through the camera's speaker.
- The camera's built-in microphone will pick up audio from the environment.



Image: A collage showing the two-way audio feature, with a child speaking to a parent via the camera, and the multi-user sharing capability, depicting multiple individuals accessing the camera feed on their smartphones.

6.4 Human Detection & Auto Tracking

Receive accurate alerts and track detected human movement.

- Enable human detection in the app settings to reduce false alarms caused by animals, rain, or leaves.
- When a human is detected, the camera can automatically track their movement within its field of view.
- Instant alerts will be sent to your smartphone.

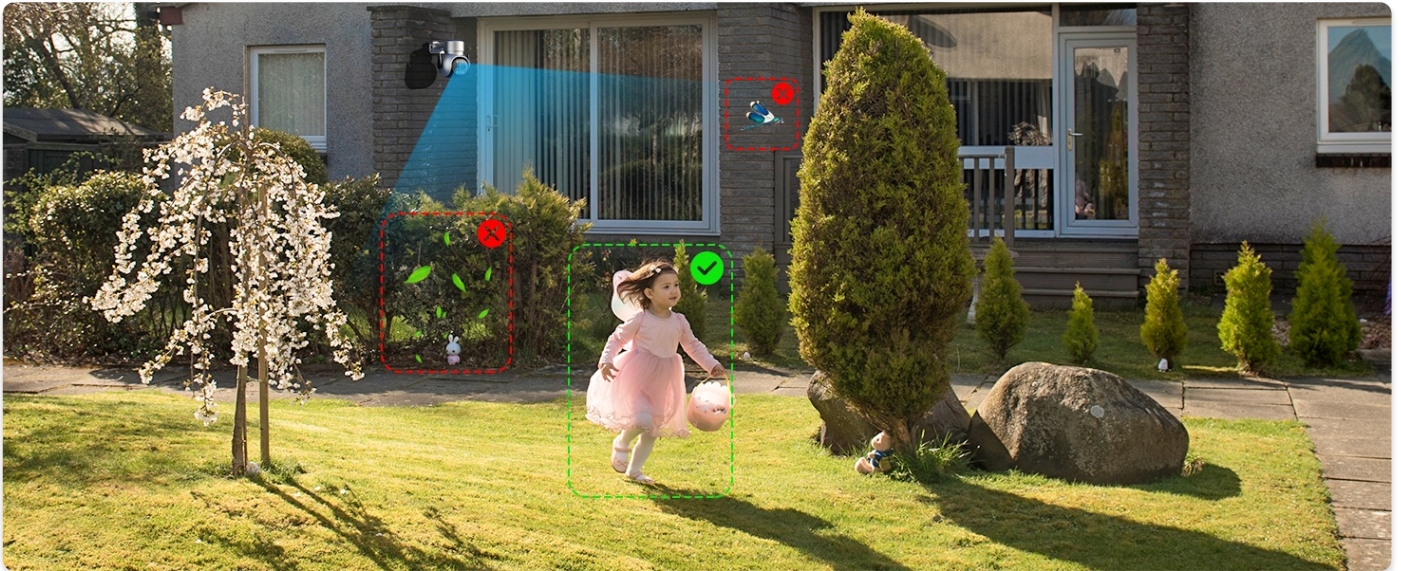


Image: Demonstrates the camera's human detection feature, showing how it accurately identifies human figures while ignoring irrelevant movements like leaves or animals, significantly reducing false alarms.

6.5 Night Vision Modes

The camera offers both full-color and infrared (IR) night vision for clear monitoring in low-light conditions.

- **Full-Color Night Vision:** Utilizes built-in white lights to provide color images up to 30 meters in darkness.
- **IR Night Vision:** Uses infrared LEDs for black and white images in complete darkness, also up to 30 meters.
- You can switch between modes or set the camera to automatically select based on ambient light.



Image: Compares the camera's color night vision mode (left, showing a house with full color) and IR night vision mode (right, showing the same house in black and white), both effective up to 30 meters.

6.6 Recording & Storage

Record footage continuously or based on motion detection.

- **TF Card Storage:** Insert a microSD card (up to 128GB, not included) into the camera's SD card slot for local storage.
- **Recording Modes:** Configure continuous 24/7 recording or scheduled recording based on your needs.
- **Playback:** Access recorded videos and alarm images directly from the app.

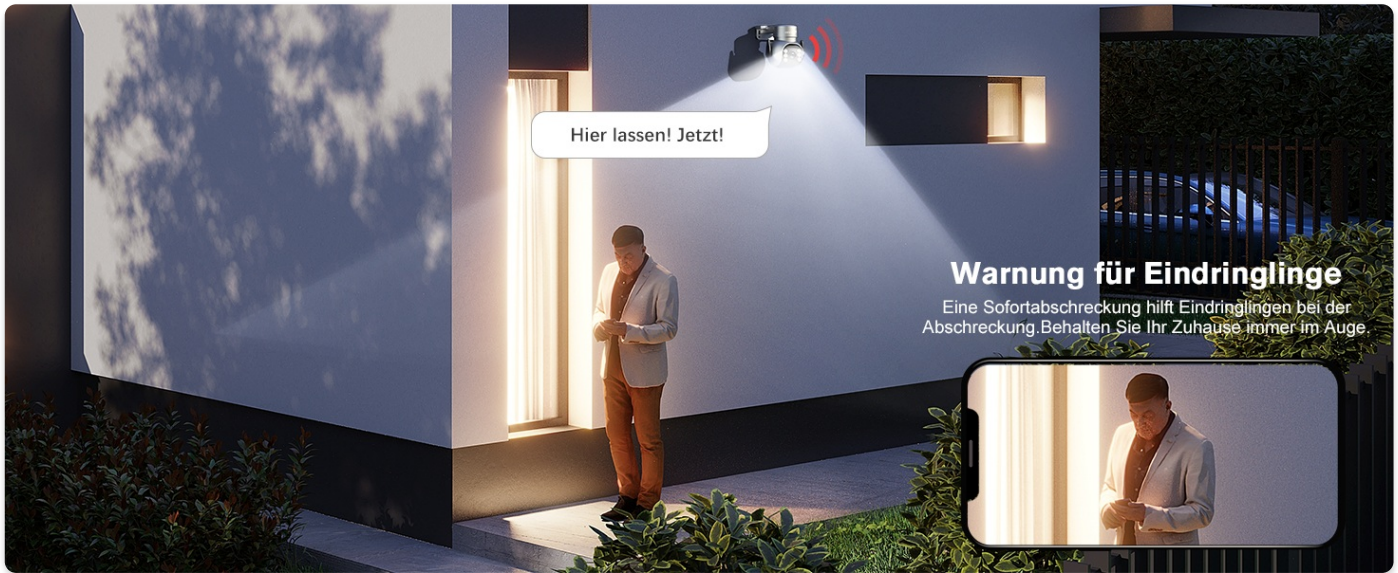


Image: Illustrates the camera's 24/7 recording capability and support for TF card storage (up to 128GB), showing a timeline of recorded events and a smartphone displaying video playback.

6.7 Multi-user Sharing

Share camera access with family members or trusted individuals.

- In the CTRONICS PRO app, navigate to the sharing settings for your camera.
- Invite other users by their account ID or email. You can set different permission levels for shared users.

7. MAINTENANCE

Regular maintenance helps ensure optimal performance and longevity of your camera.

- **Cleaning:** Gently wipe the camera lens and body with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- **Firmware Updates:** Check the CTRONICS PRO app regularly for firmware updates. Keeping your camera's firmware up-to-date ensures the latest features and security enhancements.
- **Network Check:** Periodically verify your Wi-Fi signal strength or Ethernet connection to ensure stable performance.
- **Storage Management:** If using a TF card, periodically check its storage status and format it if necessary to prevent data corruption.

8. TROUBLESHOOTING

If you encounter issues with your camera, refer to the following common problems and solutions:

Problem	Possible Cause / Solution
Camera is offline	• Check power connection. • Verify Wi-Fi signal strength or Ethernet cable connection. • Restart the camera and router. • Ensure correct Wi-Fi password was entered during setup.
Cannot connect to Wi-Fi	• Ensure you are connecting to a 2.4GHz or 5GHz network (camera supports both). • Move the camera closer to the router. • Check Wi-Fi password. • Reset the camera and try setup again.

Problem	Possible Cause / Solution
No recording to TF card	• Ensure TF card is inserted correctly. • Check if the TF card is formatted (format via app if needed). • Verify recording settings in the app (continuous or motion-triggered). • Ensure the TF card is not full.
Frequent false alarms	• Adjust motion detection sensitivity in the app. • Enable human detection feature to filter out non-human movements. • Adjust detection zones to exclude busy areas.
Two-way audio not working	• Check microphone and speaker settings in the app. • Ensure volume on your mobile device is up. • Verify network connection stability.

If the problem persists, please contact Ctronics customer support for assistance.

9. SPECIFICATIONS

Feature	Detail
Model Number	690
Resolution	2.5K 4MP (2560x1440P)
Night Vision	30M Color Night Vision / IR Night Vision
Connectivity	Dual-band Wi-Fi (2.4GHz/5GHz), Ethernet (RJ45)
Pan/Tilt Range	Pan 355°, Tilt 90°
Digital Zoom	4x Digital Zoom
Audio	Two-Way Audio (Built-in Microphone & Speaker)
Detection	Human Detection, Auto Tracking
Storage	TF Card (Max 128GB, not included)
Weatherproof Rating	IP66
Dimensions	16 x 11.99 x 15 cm
Weight	700 Grams
Operating System Compatibility	iOS, Android (CTRONICS PRO App), Mac, Windows (HIP2P Client)



Image: An icon representing the IP66 weatherproof rating, indicating the camera's resistance to dust and strong jets of water, making it suitable for outdoor use in various weather conditions.

10. WARRANTY AND SUPPORT

Ctronics products come with a standard warranty. Please refer to the warranty card included in your package or visit the official Ctronics website for detailed warranty terms and conditions.

For technical support, troubleshooting assistance, or any inquiries regarding your product, please contact Ctronics customer service through the following channels:

- **Official Website:** Visit the Ctronics official website for FAQs, support resources, and contact information.
- **Email Support:** Send an email to the support team (contact details usually found on the website or in the app).
- **In-App Support:** Some issues can be resolved directly through the support section within the CTRONICS PRO app.

When contacting support, please have your product model number (690) and purchase information ready.

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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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