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› Ctronics 3G/4G LTE Cellular Security Camera Outdoor User Manual

Ctronics CTIPC-800C-EU4G

Ctronics 3G/4G LTE Cellular Security Camera Outdoor User Manual

Model: CTIPC-800C-EU4G

Brand: Ctronics

1. PRODUCT OVERVIEW

The Ctronics CTIPC-800C-EU4G is an advanced 3G/4G LTE cellular security camera designed for outdoor surveillance. It offers comprehensive coverage with PTZ capabilities, smart detection features, and robust connectivity options, making it ideal for locations without traditional Wi-Fi access.



Image: Ctronics 3G/4G LTE Cellular Security Camera with mobile phone displaying live feed.

Key Features:

- **3G/4G Cellular & Ethernet Connection:** Operates independently of Wi-Fi, using a cellular network or RJ45 cable. Includes a pre-installed Nano SIM card with 300MB data.
- **360° Coverage:** 2MP resolution with 4X digital zoom, 355° horizontal and 90° vertical rotation for wide viewing angles.
- **30M Color Night Vision:** Equipped with white and infrared lights for clear night vision in full color up to 30 meters.
- **Human Detection & Auto Tracking:** Intelligently detects human figures, reducing false alarms, and automatically tracks detected movements.
- **Two-Way Audio:** Built-in microphone and speaker for real-time communication.
- **Flexible Storage:** Supports local storage via TF card (up to 64GB, not included) and Ctronics Cloud storage.
- **IP66 Waterproof:** Durable housing for reliable operation in various weather conditions.

2. SETUP GUIDE

2.1 Package Contents

Before you begin, ensure all components are present:

- Ctronics 3G/4G LTE Cellular Security Camera
- Power Adapter
- Mounting Screws and Wall Plugs
- RJ45 Network Cable (1M)
- Nano SIM Card (pre-installed with 300MB data)
- User Manual

2.2 SIM Card and TF Card Installation

The Nano SIM card is typically pre-installed. If you need to access the SIM or install a Micro TF card for local storage, follow these steps:

1. Locate the SIM/TF card slot on the camera body. This is usually protected by a waterproof cover secured with screws.
2. Carefully remove the screws and open the cover.
3. Insert the Micro TF card (up to 64GB, not included) into its designated slot with the gold contacts facing down. Ensure it clicks into place.
4. If reinstalling or replacing the Nano SIM card, ensure it is correctly seated in its slot.
5. Securely close the waterproof cover and tighten the screws to maintain IP66 rating.

Two Storage Methods

Local storage

up to **64GB** (not included)
- 24/7 hours of continuous recording



Ctronic cloud storage
- instantly upload alarm video



Image: Diagram showing the Micro TF card slot and Nano SIM card slot on the camera.

2.3 Power Connection

Connect the provided power adapter to the camera's power input port. Plug the adapter into a suitable power outlet. The camera will power on and initiate its startup sequence.

2.4 App Download and Initial Setup

To control and view your camera, download the "Ctronics Pro" app on your smartphone (iOS/Android) or use the HiP2P software for Windows/Mac systems.

1. Download the "Ctronics Pro" app from your device's app store or visit the Ctronics website for PC software.
2. Open the app and create a new account if you don't have one.
3. Add your camera by scanning the QR code located on the camera or its packaging. Follow the on-screen prompts to complete the pairing process.
4. Ensure your smartphone has an active internet connection during the setup process.

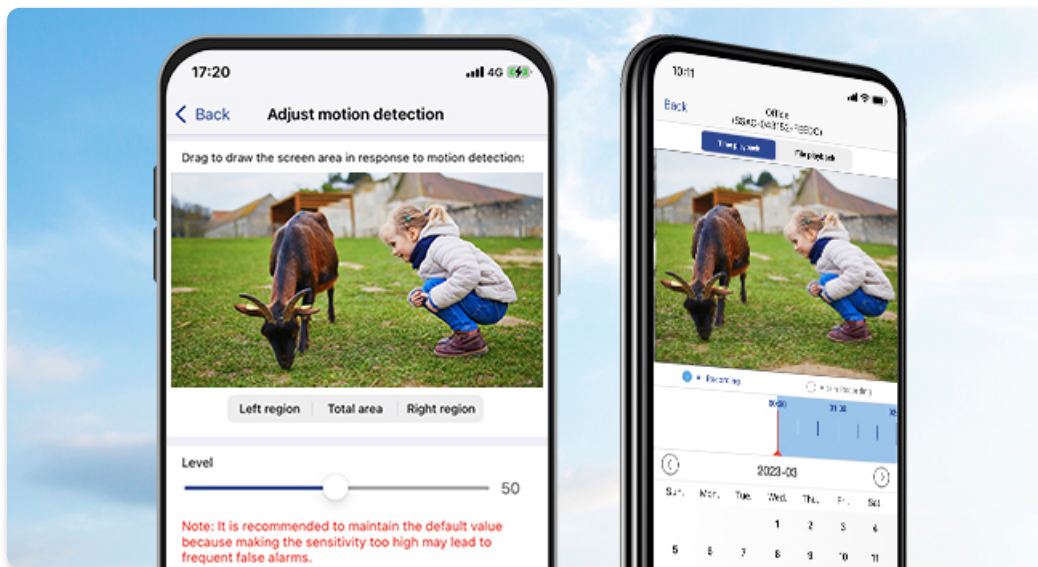


Image: Screenshots of the Ctronics Pro mobile application interface.

3. OPERATING INSTRUCTIONS

3.1 Remote Access and PTZ Control

Once connected, you can access your camera remotely via the "Ctronics Pro" app or HiP2P software.

- **Live View:** Open the app and select your camera to view the live feed.
- **Pan/Tilt/Zoom (PTZ):** Use the directional controls within the app to rotate the camera 355° horizontally and 90° vertically. Pinch-to-zoom gestures can be used for 4X digital zoom.

Full 360° Coverage



Image: Illustration showing the 355° horizontal and 90° vertical rotation capabilities of the camera.

3.2 Night Vision Modes

The camera supports both infrared (IR) and full-color night vision up to 30 meters.

- **Automatic Switching:** The camera automatically switches between day and night modes based on ambient light.
- **Manual Selection:** You can manually select between IR Night Vision (black and white) and Color Night Vision (requires white lights to activate) within the app settings.

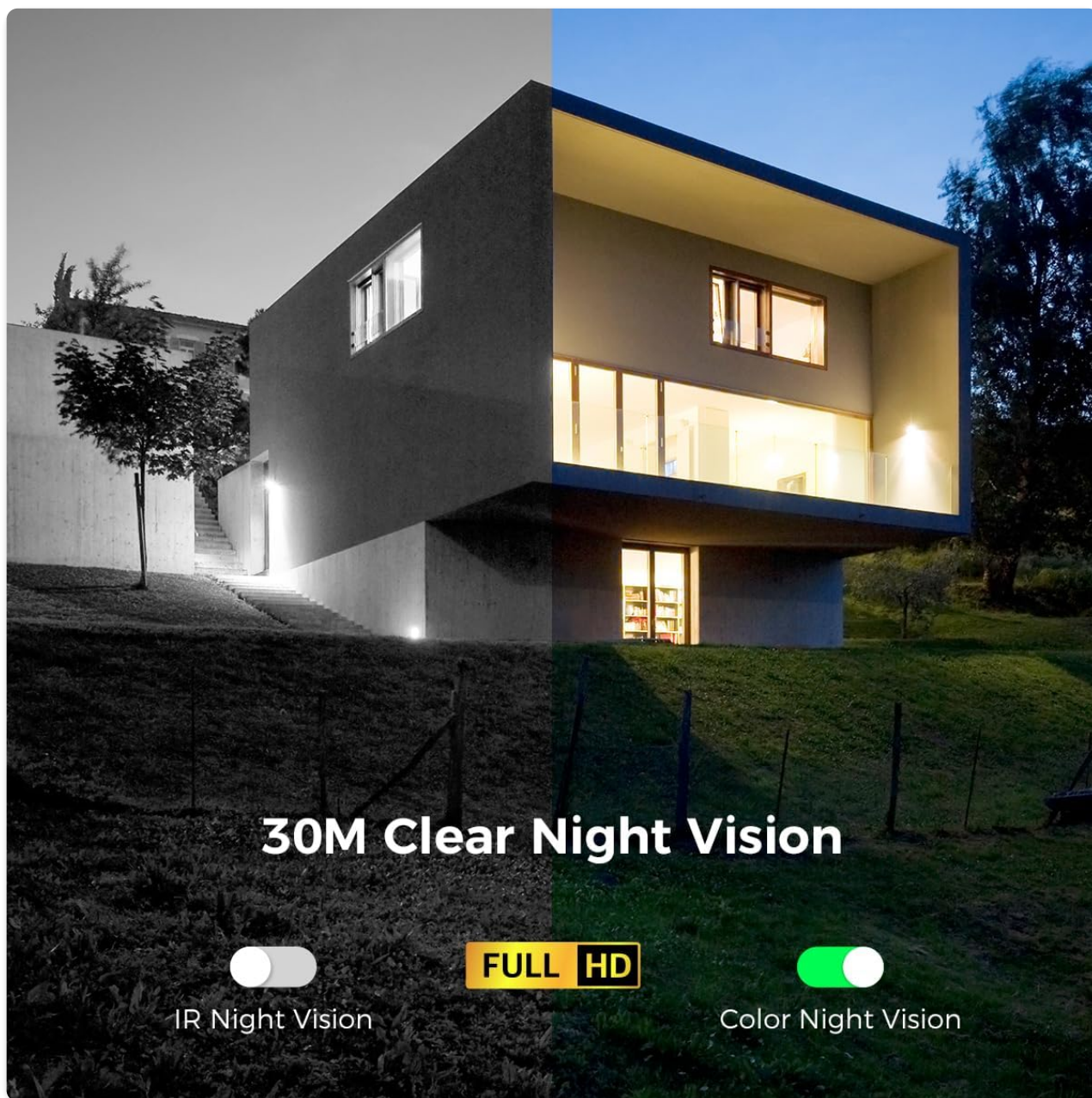


Image: Comparison of standard night vision and color night vision, highlighting 30M range.

3.3 Human Detection and Auto Tracking

Configure smart detection settings to receive alerts for human activity.

- **Enable Detection:** Navigate to the camera settings in the app and enable "Human Detection."
- **Auto Tracking:** Activate "Auto Tracking" to allow the camera to automatically follow detected human movements within its field of view.
- **Notifications:** Instant notifications will be sent to your smartphone via the "Ctronics Pro" APP when motion is detected.

Human Detection with Auto Tracking

Instant APP Push from "Ctronics Pro"



Image: Scene depicting human detection and auto-tracking functionality with app notification.

3.4 Two-Way Audio

The camera features a built-in microphone and speaker for two-way communication.

- **Activate Audio:** In the live view interface of the app, tap the microphone icon to speak through the camera's speaker. Tap the speaker icon to listen to audio from the camera's microphone.



Two-way Audio

Multi-user Sharing



Image: A child playing in a garden with a speech bubble indicating two-way audio communication with the camera.

3.5 Storage Options

Recordings can be stored locally or on the cloud.

- **Local Storage:** Insert a Micro TF card (up to 64GB) for 24/7 continuous recording. Recordings are saved directly to the card.
- **Cloud Storage:** Subscribe to Ctronics Cloud service for instant upload of alarm videos. This provides off-site backup and access.

4. INSTALLATION

The Ctronics camera is designed for outdoor use and can be installed in various locations.

4.1 Mounting Methods

The camera supports both wall and ceiling mounting.

- **Wall Mounted:** Use the provided mounting bracket and screws to secure the camera to a vertical surface.
- **Ceiling Mounted:** Attach the camera to an overhead surface using the same mounting hardware.



Image: Examples of the camera mounted on a wall and a ceiling, demonstrating installation flexibility.

4.2 Weather Resistance

The camera has an IP66 waterproof rating, ensuring its functionality in various weather conditions, including rain, dust, and extreme temperatures.

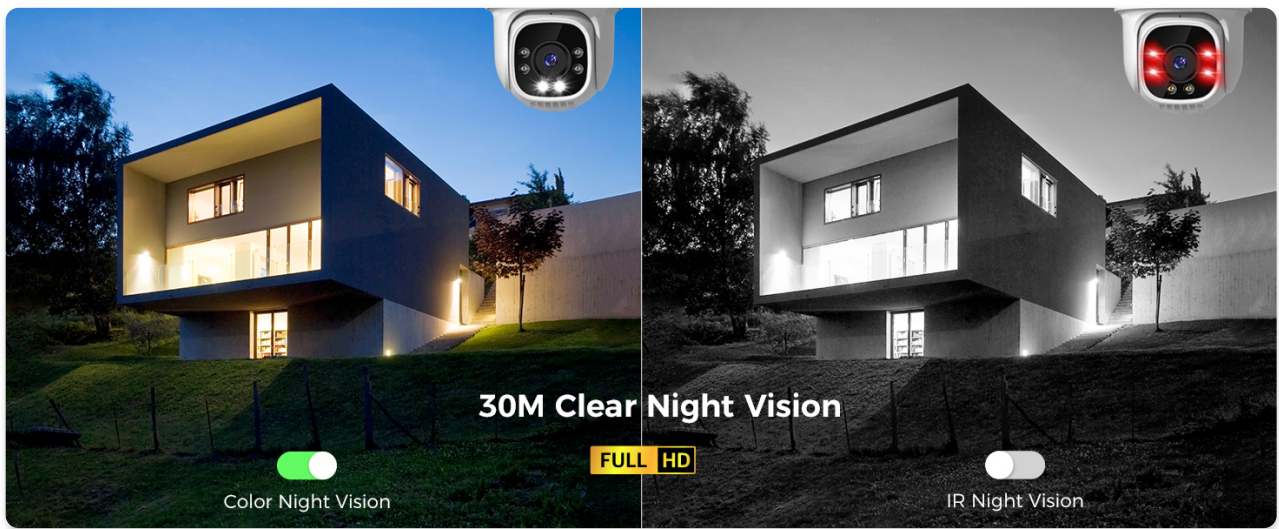


Image: Scenes illustrating the camera's resilience to rain, dust, cold, and sun, highlighting its IP66 rating.

Suitable installation areas include front doors, garages, driveways, gardens, farms, and other outdoor environments.

5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your Ctronics camera.

- **Lens Cleaning:** Periodically clean the camera lens with a soft, dry cloth to remove dust and smudges. Avoid abrasive materials.
- **Housing Inspection:** Check the camera housing and mounting bracket for any signs of damage or loose connections.
- **Software Updates:** Ensure your "Ctronics Pro" app and camera firmware are up to date for the latest features and security enhancements.
- **Power Supply:** Verify the power connection is secure and free from damage.

6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Camera offline / No connection	No cellular signal; SIM card not activated/data exhausted; Power issue; Ethernet cable disconnected.	Check cellular signal strength; Ensure SIM card is active and has data (recharge via app if needed); Verify power connection; Check Ethernet cable connection.
SD card not recognized	SD card not inserted correctly; Incompatible SD card; SD card corrupted.	Reinsert SD card; Ensure it's a Micro TF card up to 64GB; Format the SD card via the app (this will erase data).

Problem	Possible Cause	Solution
Frequent false alarms	Sensitivity too high; Environmental factors (rain, leaves, animals).	Adjust detection sensitivity in the app; Define specific motion detection zones to exclude irrelevant areas.
Poor night vision quality	Lens obstruction; Insufficient ambient light for color night vision.	Clean the camera lens; Ensure adequate lighting for color night vision or switch to IR mode.
Two-way audio issues	Microphone/speaker blocked; App audio settings.	Ensure nothing is obstructing the microphone or speaker; Check audio settings in the app.

If problems persist, please contact Ctronics customer support for further assistance. Many users have reported excellent customer service.

7. SPECIFICATIONS

Model Name	CTIPC-800C-EU4G
Product Dimensions	20.5 x 17 x 14.5 cm
Weight	820 g
Connectivity Technology	Ethernet Connection, 3G/4G Cellular Connection
Special Features	HD Resolution, Night Vision, PTZ Technology, Motion Sensor
Recommended Uses	Outdoor Security
Waterproof Rating	IP66
Local Storage Support	Up to 64GB TF card (not included)

8. WARRANTY AND SUPPORT

Ctronics is committed to providing reliable products and excellent customer service.

8.1 Warranty Information

This product typically comes with a standard warranty. Some users have reported receiving a 3-year warranty upon registration or through specific promotions. Please refer to your purchase documentation or contact Ctronics customer support for precise warranty terms applicable to your product.

8.2 Customer Support

For any technical assistance, troubleshooting, or warranty inquiries, please contact Ctronics customer support. You can usually find contact information on the official Ctronics website or within the "Ctronics Pro" app. Many users have praised Ctronics' customer service for being responsive and helpful.