

Ctronics B0C5CVK54R

Ctronics 2.5K 4MP Solar Security Camera Wireless Outdoor User Manual

Model: B0C5CVK54R

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Ctronics 2.5K 4MP Solar Security Camera. This wireless outdoor camera system offers advanced surveillance features including 2.5K 4MP Super HD resolution, PTZ control, color night vision, PIR human detection, and two-way audio, all powered by a rechargeable battery and solar panel for continuous operation.

2. PACKAGE CONTENTS

Please verify that all components are present in your package:

- Ctronics 2.5K 4MP Solar Security Camera (quantity as per pack)
- Solar Panel (one per camera)
- Mounting Bracket
- Mounting Screws and Wall Plugs
- USB Charging Cable
- User Manual (this document)



Figure 2.1: Overview of the Ctronics 2.5K 4MP Solar Security Camera 4-pack.

3. SETUP AND INSTALLATION

Before installation, ensure the camera battery is fully charged using the provided USB cable. The solar panel will maintain the charge after installation.

3.1 Charging the Camera

Connect the camera to a 5V/2A USB power adapter using the included USB charging cable. The charging indicator light will show the charging status. A full charge is recommended before initial setup.

3.2 App Download and Account Registration

Download the "Ctronics Pro" app from your mobile device's app store (iOS App Store or Google Play Store). Follow the in-app instructions to register an account and add your camera device.

3.3 Mounting the Camera and Solar Panel

The camera and solar panel can be mounted on a wall or ceiling. Choose a location that provides optimal sunlight exposure for the solar panel and a clear view for the camera. Ensure the mounting surface is sturdy enough to support the camera's weight.

PIR Human Detection

Reduce up to 95% false alarm

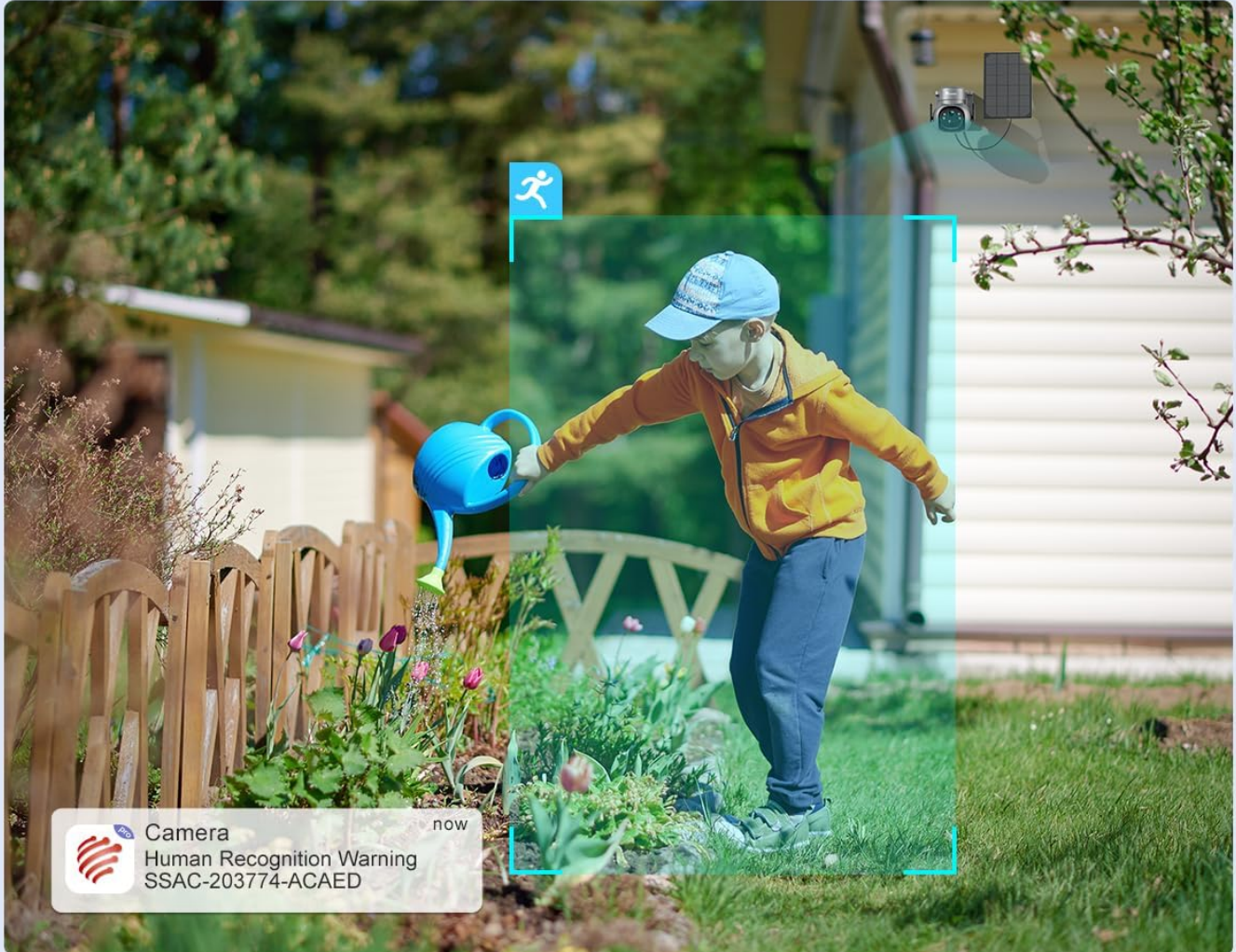


Figure 3.1: Wall and Ceiling Installation options for the Ctronics camera and solar panel.



Figure 3.2: Proper installation of the camera on an exterior wall.

Use the provided screws and wall plugs to securely fasten the mounting bracket. Attach the camera to the bracket and adjust its angle as needed. Connect the solar panel cable to the camera.



Figure 3.3: Revolutionary Charging System with dual solar panel connection. Note: Only one solar panel is included per camera; additional panels must be purchased separately.

4. OPERATING INSTRUCTIONS

4.1 Live View and Resolution

Access the live feed from your camera via the "Ctronics Pro" app. The camera provides 2.5K 4MP (2560*1440P) Super HD resolution, ensuring clear and detailed video monitoring.

2.5K 4MP (2560*1440P) Super HD

View everything clearly all the time



Figure 4.1: Day and Night Super HD Resolution (2.5K 4MP).

Your browser does not support the video tag.

Video 4.1: Demonstration of Ctronics 2.5K 4MP Wireless Security Camera features, including resolution and wire-free operation.

4.2 Pan & Tilt Control

The camera features 355° Pan and 95° Tilt capabilities, allowing you to remotely adjust the viewing angle to cover every angle of your property. Use the directional controls within the "Ctronics Pro" app to move the camera lens.

Cover every angle of your house

With 355° Pan & 95° Tilt, 4X digital zoom



Figure 4.2: 355° Pan & 95° Tilt control via the Ctronics Pro app.

4.3 Color Night Vision

The camera is equipped with color night vision, providing clear, full-color images even in low-light conditions or complete darkness. This enhances visibility and detail compared to traditional black and white infrared night vision.



Figure 4.3: 2.5K 4MP Color Night Vision in action.

4.4 PIR Human Detection

The Passive Infrared (PIR) human detection feature intelligently identifies human shapes, significantly reducing false alarms caused by pets, vehicles, or swaying branches. When human motion is detected, you will receive instant notifications (email, push, siren) on your connected device.



Figure 4.4: PIR Human Detection reducing false alarms.

4.5 Two-Way Audio

Utilize the built-in microphone and speaker for real-time two-way communication. This allows you to speak to visitors or deter intruders directly through the camera via the app.

Two-way audio

Remotely talk, see and hear

Bro,help me put it at the door.

Hey,got your package!



Figure 4.5: Two-way audio communication via the app.

4.6 Storage Options

The camera supports local storage via a TF (microSD) card up to 128GB (not included). Cloud storage options may also be available; please check the Ctronics Pro app for details and ensure your camera firmware is up to date for cloud functionality.



Figure 4.6: TF Card slot for local storage (up to 128GB).



Figure 4.7: Ctronics Cloud storage and playback interface.

5. MAINTENANCE

To ensure optimal performance and longevity of your Ctronics security camera, follow these maintenance guidelines:

- **Regular Cleaning:** Periodically wipe the camera lens and solar panel with a soft, damp cloth to remove dust, dirt, or debris that may obstruct the view or reduce charging efficiency.
- **Firmware Updates:** Check the "Ctronics Pro" app regularly for available firmware updates. Keeping your camera's firmware updated ensures access to the latest features, security enhancements, and bug fixes.
- **Battery Health:** While solar-powered, occasional manual charging via USB may be necessary during prolonged periods of low sunlight. Monitor battery levels through the app.
- **Environmental Protection:** The camera is IP66 waterproof, designed to withstand various weather conditions. However, avoid direct high-pressure water jets or submerging the device.



Figure 5.1: IP66 Waterproof rating, demonstrating resilience to weather.

6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Camera offline	Weak Wi-Fi signal, low battery, power outage.	Check Wi-Fi signal strength, recharge battery, verify power supply. Restart camera and router.
No motion detection alerts	PIR sensitivity too low, detection zone not set, app notifications disabled.	Adjust PIR sensitivity in app, configure detection zones, enable app notifications.
Poor video quality	Dirty lens, weak Wi-Fi, low light conditions (without color night vision enabled).	Clean the lens, improve Wi-Fi signal, ensure color night vision is active or sufficient ambient light is present.

Problem	Possible Cause	Solution
Two-way audio not working	Microphone/speaker muted in app, network latency.	Check audio settings in the app, ensure microphone and speaker are unmuted. Verify stable network connection.
Battery not charging via solar panel	Insufficient sunlight, dirty solar panel, faulty connection.	Relocate solar panel to an area with more direct sunlight, clean the panel, check cable connections.

For further assistance, please contact Ctronics customer support.

7. SPECIFICATIONS

Feature	Detail
Brand	Ctronics
Model	B0C5CVK54R
Video Capture Resolution	4 MP (2.5K)
Connectivity Technology	Wireless (Wi-Fi)
Power Source	Battery Powered, Solar Powered
Pan/Tilt Range	355° Pan, 95° Tilt
Night Vision	Color Night Vision, Infrared
Human Detection	PIR Human Detection
Audio	Two-Way Audio
Waterproof Rating	IP66
Storage	Supports up to 128GB TF Card (not included), Cloud Storage (check app for availability)
Battery Capacity	5000 Milliampere Hour (mAh)
Dimensions	5 x 6.99 x 6 inches
Item Weight	8.12 pounds

8. WARRANTY AND SUPPORT

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 information and terms.

For technical support, product inquiries, or warranty claims, please contact Ctronics customer service through their official website or the contact information provided in the product packaging. Ensure you have your product model number and purchase details ready when contacting support.

Ctronics Official Website: www.ctronics.com (Note: This is a placeholder URL. Please refer to your product packaging for the exact official website.)

