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## Codnida Cell 2T

# Codnida Cell 2T 4G LTE Solar Security Camera

## User Manual

Model: Cell 2T | Brand: Codnida

### 1. INTRODUCTION

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Thank you for choosing the Codnida Cell 2T 4G LTE Solar Security Camera. This device provides reliable outdoor surveillance with its 4G LTE connectivity, solar power capabilities, and advanced features like 2K color night vision and intelligent motion detection. This manual will guide you through the setup, operation, and maintenance of your camera to ensure optimal performance.

# Comes with SIM Card, No WiFi Needed

Only the included SIM card can be used



Image 1.1: Overview of the Codnida Cell 2T 4G LTE Solar Security Camera.

## 2. WHAT'S IN THE BOX

Please verify that all components are present before proceeding with installation.

- 1 x Codnida Cell 2T Camera
- 1 x Solar Panel
- 1 x SIM Card (with free trial data)
- 1 x Screw Kit for mounting
- 1 x User Manual (this document)
- 1 x USB Charging Cable



Image 2.1: All included components in the Codnida Cell 2T package.

### 3. PRODUCT FEATURES

- **4G LTE Connectivity:** Operates independently without Wi-Fi, ideal for remote locations. Includes a trial SIM card.
- **Solar Powered & Long-Life Battery:** Equipped with a high-efficiency solar panel and a built-in 10400mAh battery for continuous operation.
- **2K HD Resolution & Color Night Vision:** Captures clear 2K video with three night vision modes (color, black & white, smart).
- **355° Pan/Tilt Rotation:** Offers wide area coverage with remote control via the app.
- **Intelligent PIR Motion Detection:** Detects human movement and sends instant notifications. Customizable detection zones and sensitivity.
- **Two-Way Audio:** Built-in microphone and speaker for real-time communication.
- **Sound and Light Alarm:** Deters intruders with an audible alarm and flashing LED lights upon detection.
- **IP65 Weatherproof:** Designed for outdoor use, resistant to rain, humidity, and dust.
- **Flexible Storage:** Supports cloud storage and local Micro SD card storage up to 256GB.

### 4. SETUP GUIDE

#### 4.1. Initial Charging

Before first use, fully charge the camera's internal battery using the provided USB cable and a 5V/2A power adapter (not included). The charging indicator light will turn solid blue when fully charged.

#### 4.2. SIM Card and Micro SD Card Installation

1. Locate the SIM card and Micro SD card slot on the camera, usually protected by a rubber cover.
2. Carefully open the cover.
3. Insert the provided 4G SIM card into the SIM card slot with the gold contacts facing down and the notched corner aligned correctly. Push until it clicks into place.
4. If using a Micro SD card for local storage (up to 256GB, not included), insert it into the Micro SD card slot with the gold contacts facing down.
5. Ensure both cards are securely seated. Close the rubber cover firmly to maintain IP65 weather resistance.



Image 4.2: Illustration of SIM card insertion into the camera.

#### 4.3. Solar Panel Connection

Connect the solar panel cable to the designated charging port on the camera. Ensure the connection is secure and the rubber seal is properly seated to prevent water ingress. Position the solar panel in an area that receives maximum direct sunlight throughout the day for optimal charging.



Image 4.3: The camera and solar panel installed, demonstrating wire-free operation.

#### 4.4. Mounting the Camera

1. Choose a suitable outdoor location that provides the desired surveillance view and allows the solar panel to receive ample sunlight.
2. Use the provided screw kit to securely mount the camera bracket to a wall or pole.
3. Attach the camera to the mounted bracket. Adjust the angle for optimal coverage.
4. Ensure the camera is within a good 4G signal range.

#### 4.5. App Installation and Pairing

1. Download the **CloudEdge** app from your smartphone's app store (iOS or Android).
2. Register for a new account or log in if you already have one.
3. Turn on the camera by pressing the power button. The indicator light will flash.
4. In the CloudEdge app, tap the "+" icon to add a new device.
5. Select the appropriate camera model or scan the QR code on the camera if available.
6. Follow the on-screen instructions to complete the pairing process. Ensure your phone's Bluetooth and location services are enabled during pairing.

## 5. OPERATING INSTRUCTIONS

### 5.1. Live View

Open the CloudEdge app and select your camera from the device list to access the live video feed. You can view real-time footage from your camera anytime, anywhere with 4G connectivity.

### 5.2. Pan/Tilt Control

From the live view interface in the CloudEdge app, use the directional controls to remotely pan (horizontal) and tilt (vertical) the camera lens. The camera supports 355° PTZ rotation for comprehensive coverage.



*Image 5.2: The camera's 360° pan/tilt capability for wide area surveillance.*

### 5.3. Motion Detection Settings

The camera features PIR human motion detection. In the app settings, you can:

- Enable/Disable motion detection.
- Adjust sensitivity levels (low, medium, high).
- Set detection zones to focus on specific areas and reduce false alarms.
- Schedule detection times.

When motion is detected, the camera will record a clip and send a notification to your smartphone.



Image 5.3: The camera's PIR human motion detection accurately identifies people.

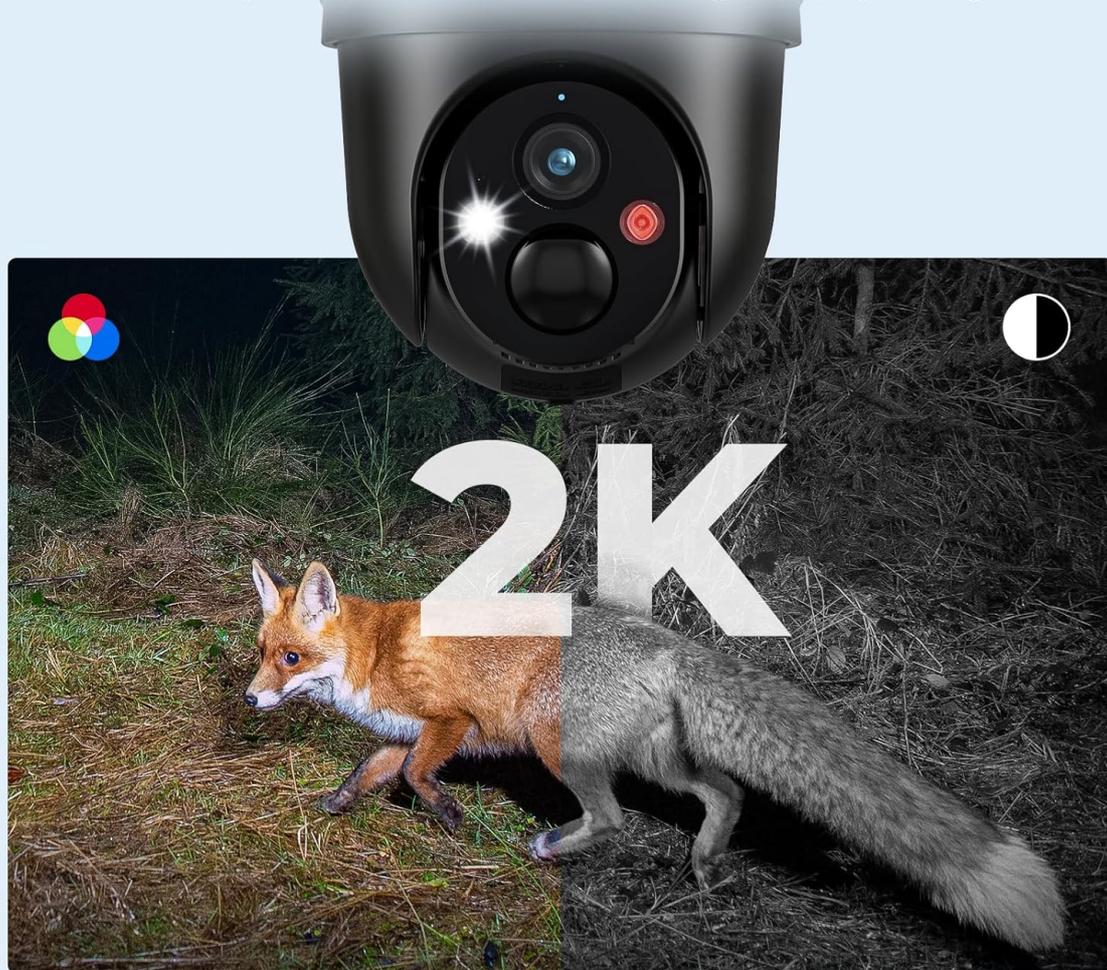
## 5.4. Night Vision Modes

The camera offers three night vision modes, configurable in the app:

- **Color Night Vision:** Utilizes built-in spotlights to provide full-color images in low light.
- **Black & White Night Vision:** Uses infrared (IR) LEDs for clear black and white images in complete darkness.
- **Smart Night Vision:** Automatically switches between black & white and color night vision when motion is detected.

## Smart 2K Color Night Vision

Present you with delicate color image quality at night



*Image 5.4: Demonstrating the camera's 2K color night vision capability.*

### 5.5. Two-Way Audio

Tap the microphone icon in the live view to speak through the camera's speaker. This allows for communication with visitors or to deter unwanted individuals.

### 5.6. Sound and Light Alarm

When motion is detected at night, the camera can automatically activate a loud siren and flash its LED spotlights to warn off intruders. This feature can be configured in the app's alarm settings.



Image 5.6: The camera's sound and light alarm system deterring an intruder.

## 5.7. Storage Management

Recorded videos can be stored in two ways:

- **Cloud Storage:** Subscribe to a CloudEdge cloud plan for secure online storage.
- **Micro SD Card:** If an SD card is installed, recordings will be saved locally. You can view and manage these recordings through the app.

## 6. MAINTENANCE

- **Cleaning:** Periodically clean the camera lens and solar panel with a soft, damp cloth to ensure clear images and efficient solar charging. Do not use harsh chemicals.
- **Battery Care:** While solar-powered, ensure the camera receives adequate sunlight. If the battery level drops significantly, consider temporarily charging it via USB. Avoid prolonged exposure to extreme temperatures.
- **Firmware Updates:** Check the CloudEdge app regularly for firmware updates. Keeping the firmware updated ensures optimal performance and access to new features.
- **SIM Card Data:** Monitor your SIM card data usage to ensure continuous connectivity, especially after the trial period.

## 7. TROUBLESHOOTING

Problem	Solution
Camera not connecting to 4G network.	<ul style="list-style-type: none"><li>◦ Ensure the SIM card is correctly inserted and activated.</li><li>◦ Check for 4G signal strength in the camera's location.</li><li>◦ Verify the SIM card has an active data plan.</li><li>◦ Restart the camera.</li></ul>
Battery not charging via solar panel.	<ul style="list-style-type: none"><li>◦ Ensure the solar panel is clean and free from obstructions.</li><li>◦ Verify the solar panel cable is securely connected to the camera.</li><li>◦ Relocate the solar panel to an area with more direct sunlight.</li><li>◦ Check if the ambient temperature is too low for efficient charging.</li></ul>
Motion detection not working or too many false alarms.	<ul style="list-style-type: none"><li>◦ Check motion detection settings in the CloudEdge app (enabled, sensitivity).</li><li>◦ Adjust detection zones to exclude areas with frequent irrelevant movement (e.g., swaying trees).</li><li>◦ Ensure the camera lens is clean.</li></ul>
Cannot access live view.	<ul style="list-style-type: none"><li>◦ Check your phone's internet connection.</li><li>◦ Verify the camera has a stable 4G connection.</li><li>◦ Restart the CloudEdge app and the camera.</li></ul>

## 8. SPECIFICATIONS

Feature	Detail
Model	Cell 2T
Connectivity	4G LTE (Cellular)
Power Source	Solar Powered, 10400mAh Rechargeable Battery
Video Resolution	2K (1440p)
Effective Still Resolution	3 MP
Night Vision	Color Night Vision, Black & White IR Night Vision, Smart Mode (up to 10 meters)
Pan/Tilt Angle	355° Pan, 90° Tilt

Feature	Detail
Motion Detection	PIR Human Motion Detection
Audio	Two-Way Audio (Built-in Mic & Speaker)
Alarm	Sound and Light Alarm
Weather Resistance	IP65
Storage	Cloud Storage, Micro SD Card (up to 256GB)
Control Method	CloudEdge App
Dimensions (L x W x H)	6 x 6 x 6 cm
Weight	1.31 kg
Material	Plastic
Voltage	5 Volts
Wattage	4.5 Watts

## 9. WARRANTY AND SUPPORT

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

For technical support, troubleshooting assistance, or any product-related inquiries, please contact Codnida customer service through the contact information provided on the official website or within the CloudEdge app. When contacting support, please have your product model (Cell 2T) and purchase details ready.