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## energeeks EG-CIPEXT4G002

# energeeks Patrol II 4G Outdoor Motorized 4MP Security Camera User Manual

Model: EG-CIPEXT4G002

## 1. INTRODUCTION

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The energeeks Patrol II is a 4G outdoor motorized security camera designed for surveillance in remote areas without Wi-Fi access. It features 4MP Ultra HD resolution, a 5W solar panel for continuous power, an 8000mAh rechargeable battery, and AI-powered human detection. This manual provides essential information for the proper installation, operation, and maintenance of your camera.



Image 1.1: The energeeks Patrol II camera showcasing its 4G connectivity, included data, 5W solar panel, IP65 outdoor rating, and 8000mAh rechargeable battery.

## 2. SAFETY INFORMATION

Please read and follow these safety guidelines to ensure safe operation and prevent damage to the device:

- **Installation:** Ensure the camera is mounted securely to prevent it from falling. Avoid installing near flammable materials or in areas with extreme temperatures.
- **Power Source:** The camera is powered by its integrated solar panel and rechargeable battery. Do not attempt to connect external power sources other than specified by the manufacturer.
- **Water Resistance:** The camera has an IP65 rating, making it resistant to dust and water jets. However, do not submerge the camera in water.
- **Cleaning:** Use a soft, dry cloth for cleaning. Do not use harsh chemicals or abrasive cleaners.
- **Disassembly:** Do not attempt to disassemble or repair the camera yourself. Contact customer support for assistance.
- **Operating Temperature:** Operate the camera within the specified temperature range to ensure optimal

performance.

## 3. SETUP

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### 3.1 Package Contents

Verify that all components are present:

- energeeks Patrol II 4G Outdoor Camera
- 5W Solar Panel
- Mounting Bracket and Screws
- User Manual (this document)

### 3.2 SIM Card and MicroSD Card Installation

The camera operates using a 4G SIM card (data included for life). A MicroSD card (not included) is required for local video storage.

1. Locate the rubber cover on the bottom of the camera.
2. Carefully open the cover to reveal the SIM card slot and MicroSD card slot.
3. Insert the 4G SIM card into its designated slot, ensuring correct orientation.
4. Insert a MicroSD card (up to 128GB, Class 10 or higher recommended) into its slot.
5. Close the rubber cover firmly to maintain weather resistance.



Image 3.1: Location of the TF Card slot and Reset button under the protective cover.

### 3.3 Initial Charging and Power On

Before mounting, ensure the camera has sufficient charge.

- Connect the solar panel to the camera.
- Place the camera and solar panel in direct sunlight for several hours for an initial charge.
- The camera will power on automatically once sufficient charge is detected or can be manually powered on if a power button is present (refer to device for specific button location if any).

### 3.4 App Download and Pairing

The energgeeks Patrol II camera is compatible with the Energeeks app and SmartLife by TUYA app.

1. Download the "Energeeks" or "SmartLife" app from your smartphone's app store (iOS or Android).
2. Register for an account or log in if you already have one.
3. Follow the in-app instructions to add a new device. Select "Security & Video Surveillance" and then "Smart Camera (4G)" or similar.
4. Scan the QR code on the camera or follow the alternative pairing method provided in the app.
5. Once paired, you will receive notifications and can control the camera remotely.



Image 3.2: The mobile application interface showing notifications from the camera.

### 3.5 Mounting the Camera

Choose a location with good 4G signal reception and ample direct sunlight for the solar panel.

1. Use the provided mounting bracket as a template to mark drill holes on the desired surface (wall, pole, etc.).
2. Drill the holes and insert wall plugs if necessary.
3. Secure the mounting bracket using the screws.
4. Attach the camera to the mounting bracket.
5. Position the solar panel to maximize sun exposure throughout the day.

## 4. OPERATING THE CAMERA

### 4.1 Live View and Playback

- Open the Energeeks or SmartLife app on your smartphone.
- Select your Patrol II camera from the device list to access the live view.

- From the live view interface, you can access recorded footage stored on the MicroSD card or cloud storage (if subscribed).

## 4.2 Motorized Pan and Tilt Control

The camera offers a 355° horizontal pan and 90° vertical tilt for comprehensive coverage.

- In the live view, use the directional controls within the app to adjust the camera's viewing angle.
- You can set preset positions for quick navigation to frequently monitored areas.



Image 4.1: The camera's dimensions and its 355-degree horizontal and 90-degree vertical movement capabilities.

## 4.3 Motion Detection and Alerts

The camera features intelligent human detection to minimize false alarms.

- Access the camera settings in the app to configure motion detection sensitivity and detection zones.
- Enable push notifications to receive instant alerts on your smartphone when human motion is detected.
- The camera can also activate an integrated LED light and siren upon detection (configurable in app).



Image 4.2: Camera in an outdoor setting, illustrating its autonomous operation, motorized control, integrated LED light and siren, and color night vision capabilities.

#### 4.4 Two-Way Audio

Communicate with visitors or deter intruders using the built-in microphone and speaker.

- In the live view, tap the microphone icon to speak through the camera.
- Tap the speaker icon to listen to audio from the camera's surroundings.

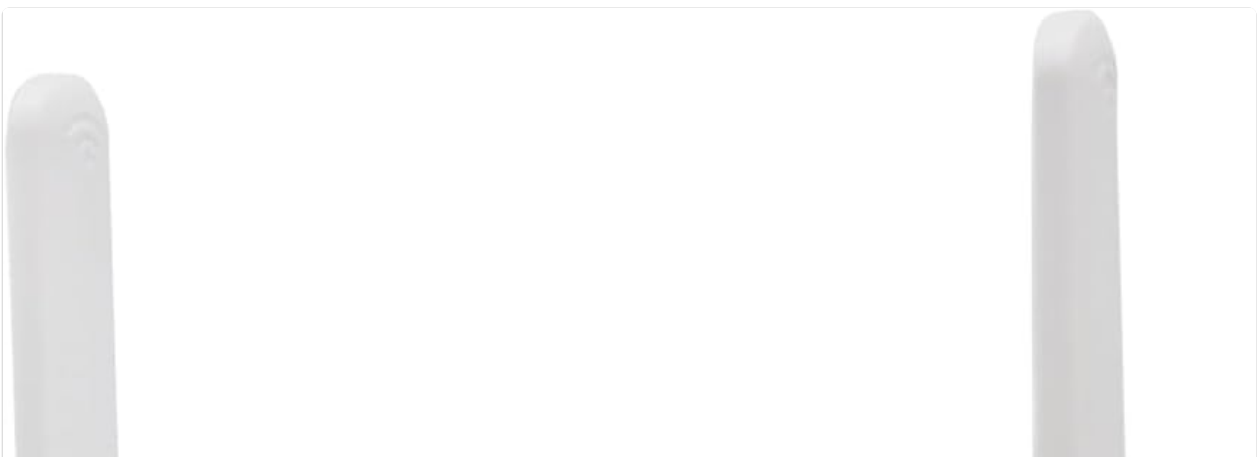




Image 4.3: Detail of the camera's speaker and microphone, enabling two-way audio communication.

## 5. MAINTENANCE

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- **Cleaning:** Regularly clean the camera lens and solar panel with a soft, damp cloth to ensure clear images and efficient charging. Avoid using abrasive materials.
- **Firmware Updates:** Check the app periodically for available firmware updates. Keeping the firmware updated ensures optimal performance and security.

- **Battery Health:** Monitor the battery level in the app. Ensure the solar panel receives adequate sunlight to maintain charge, especially during prolonged cloudy periods.
- **Storage:** If using a MicroSD card, periodically review and manage recorded footage to prevent the card from filling up.

## 6. TROUBLESHOOTING

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### 6.1 Camera Not Connecting to 4G Network

- **Check SIM Card:** Ensure the 4G SIM card is correctly inserted and activated.
- **Signal Strength:** Verify that the installation location has sufficient 4G network coverage. You can check the signal strength in the app.
- **Reboot:** Try restarting the camera by pressing the reset button briefly (refer to Image 3.1).

### 6.2 No Power or Intermittent Operation

- **Solar Panel Connection:** Ensure the solar panel cable is securely connected to the camera.
- **Sunlight Exposure:** Confirm the solar panel is receiving direct sunlight for several hours daily. Clear any obstructions.
- **Battery Level:** Check the battery status in the app. If critically low, allow more time for solar charging.

### 6.3 False Motion Alerts

- **Sensitivity Settings:** Adjust the motion detection sensitivity in the app to a lower level.
- **Detection Zones:** Configure specific detection zones to exclude areas with frequent non-human movement (e.g., swaying trees).
- **AI Filter:** Ensure the human detection AI filter is enabled in the app settings.

### 6.4 Poor Image Quality

- **Clean Lens:** Clean the camera lens to remove dirt or smudges.
- **Network Speed:** Ensure stable 4G signal for optimal streaming quality.
- **Resolution Settings:** Check the video resolution settings in the app.

### 6.5 Camera Not Responding

- **Reset:** Use a pin to press and hold the reset button (refer to Image 3.1) for approximately 5-10 seconds until the camera reboots. This will restore factory settings and require re-pairing.

## 7. SPECIFICATIONS

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Feature	Specification
Model Name	EG-CIPEXT4G002
Brand	energeeks
Usage Environment	Outdoor
Connectivity	4G (SIM card required, data included for life)
Video Resolution	4MP Ultra HD (1080p recording)
Battery Capacity	8000mAh
Solar Panel	5W
Motion Detection	AI Human Filter
Audio	Two-Way Audio
Weather Resistance	IP65
Pan/Tilt Range	355° Pan, 90° Tilt
Storage	MicroSD Card (up to 128GB, not included)
Mounting Type	Wall Mount
Dimensions (L x W x H)	20 x 7 x 6.2 cm

## 8. WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the official energeeks website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

- **Official Website:** [www.energeeks.com](http://www.energeeks.com) (Note: This is a placeholder URL, please refer to your product packaging or official documentation for the correct support website.)
- **Customer Service:** Contact details can typically be found on the manufacturer's website or product packaging.