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## SYMNELEC L1-Solar-2.4GHz-1PCS

# SYMNELEC L1-Solar-2.4GHz Wireless Outdoor Security Camera User Manual

Model: L1-Solar-2.4GHz-1PCS

[Introduction](#)   [Package Contents](#)   [Product Overview](#)   [Setup](#)   [Operating](#)  
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## 1. INTRODUCTION

This user manual provides detailed instructions for the installation, operation, and maintenance of your SYMNELEC L1-Solar-2.4GHz Wireless Outdoor Security Camera. This camera is designed for home security, offering 2K resolution, AI motion detection, color night vision, and solar power for continuous operation. Please read this manual thoroughly before using the product to ensure proper functionality and safety.

## 2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1x Smart Battery Solar Camera
- 1x Removable Solar Panel Kit (with 2m connection cable)
- 1x USB Charging Cable (1 meter / 3.3 feet)
- 1x Screws Set & Mounting Bracket
- 1x Positioning Sticker & Surveillance Sticker
- 1x User Manual

*Video: Unboxing the SYMNELEC Security Camera. This video demonstrates the contents of the package and initial handling of the camera and accessories.*

*Video: Unboxing and Display of the Security Camera. This video provides another perspective on unboxing and showcasing the camera's design and components.*

## 3. PRODUCT OVERVIEW

The SYMNELEC L1-Solar-2.4GHz camera is a versatile security solution designed for both indoor and outdoor environments. It features a durable IP65 waterproof casing, a 2K Ultra HD resolution lens, and a 100° wide-angle view. The camera is powered by a built-in 5200mAh rechargeable battery, supplemented by a removable solar panel for continuous charging.



*Image: The SYMYNELEC L1-Solar-2.4GHz camera mounted with its solar panel, illustrating its continuous power capability.*



*Image: The camera shown in various weather conditions (rain, snow) highlighting its IP65 waterproof rating and resistance to extreme temperatures (-10°C to 55°C).*

*Video: Overview of SYMYNELEC Solar Security Cameras Wireless Outdoor 2.4GHz. This video showcases the camera's features and design.*

*Video: SYMYNELEC 2K Battery Powered WiFi Camera for Home. This video highlights the camera's 2K resolution and battery power.*

## 4. SETUP

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### 4.1 Initial Charging

Before first use, fully charge the camera's built-in 5200mAh battery using the provided USB charging cable and a 5V power adapter (not included). A full charge typically lasts 1-3 months depending on usage.

## 5200mAh High-capacity Battery

Supporting 1-3 months of recording with 20 notifications triggered per day, the built-in 5200mAh lithium battery provides customizable alerts for low battery levels, ensuring timely power notifications to keep your camera always ready.



Image: Illustration of the camera's 5200mAh battery capacity and low-battery alerts, indicating 1-3 months of usage per charge.

## 4.2 App Installation and Pairing

1. Download the 'Symynelec' app from your smartphone's app store (iOS or Android).
2. Create an account and log in.
3. Turn on the camera using the 'ON/OFF' switch located under the protective cover.
4. In the app, select 'Add Device' and follow the on-screen instructions.
5. Ensure your Wi-Fi is 2.4GHz only (5GHz is not supported).
6. Scan the QR code generated by the app with the camera lens. You will hear a beep sound upon successful scanning.
7. The indicator light will turn solid green once connected.

## Support 2.4GHz Only

The WiFi security camera is compatible with 2.4GHz WiFi for a stable connection. (5GHz is not supported)



Image: Visual representation of the camera's 2.4GHz Wi-Fi compatibility, explicitly stating 5GHz is not supported.

## 4.3 Physical Installation

The camera can be installed indoors or outdoors. Choose a location that provides optimal viewing and strong Wi-Fi signal. The solar panel should be placed in direct sunlight for maximum charging efficiency. The solar panel cable is 2.2m (86.61 inches) long for flexible placement.

- Use the included mounting bracket and screws to secure the camera to a wall or ceiling.
- Adjust the camera angle to cover the desired monitoring area.
- Position the solar panel to receive maximum direct sunlight throughout the day.

## Install Anywhere Easily

Our wireless battery camera takes just minutes to install. It allows you to easily adjust the monitoring direction to your preference, and provides reliable security and monitoring anywhere, whether indoors or outdoors.



Image: Examples of camera installation in different indoor and outdoor settings, including a garage, baby room, yard, and doorway.



Image: Diagram showing the adjustable solar panel (30°/90°) for optimal energy harvesting.

# 365 Days Non-stop Power

Place solar panels in direct sunlight to store energy.



Solar Panel



5200mAh  
Rechargeable Battery



*Image: The camera and solar panel mounted on an exterior wall, demonstrating a typical outdoor installation.*

## 5. OPERATING INSTRUCTIONS

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### 5.1 Live View

Open the Symynelec app and select your camera to view the live 2K Ultra HD video feed. You can view up to 16 real-time videos simultaneously and share access with up to 20 users.

# Support Multi-User & Multi-Platform

view up to **16 cameras** on Mobile or Ipad, 9 cameras on PC and **20 users** live view simutenpously



ios



Android



Windows



Grandpappy



Grammy



Daddy



Mommy

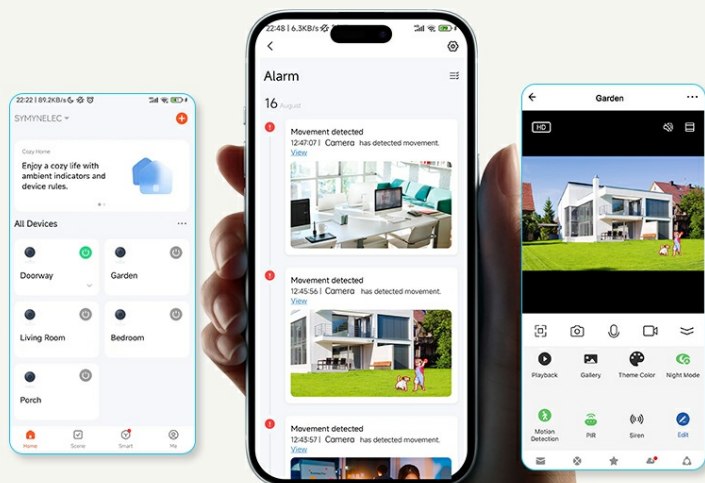


Baby

Image: The Symynelec app interface displaying support for multiple cameras and users across various platforms (iOS, Android, Windows).

## Easy to Access

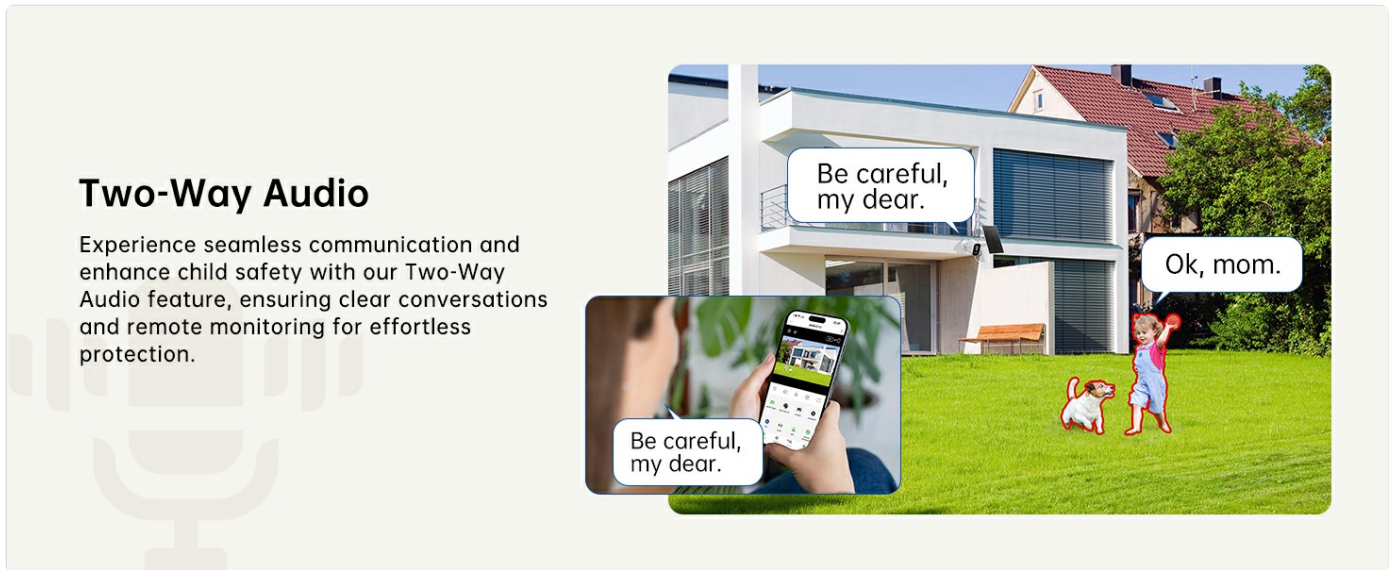
See what's going on in real time.  
Never be in the dark about your home's security.



*Image: Screenshots of the Symynelec app demonstrating easy access to live camera feeds and motion alerts.*

## 5.2 Two-Way Audio

Utilize the two-way talk feature in the app to communicate with visitors or deter intruders. Hold the microphone icon to speak, and release to listen.



*Image: Illustration of the two-way audio function, showing a user speaking through the app to someone near the camera.*

## 5.3 Motion Detection & Alerts

The camera features AI and PIR (Passive Infrared) technology for accurate motion detection, reducing false alarms. When motion is detected, the camera captures HD video, sends real-time app alerts, and can activate a spotlight and siren.

- **AI Human Detection:** Filters out distractions like rustling leaves or small animals, focusing on human presence.
- **PIR Heat Sensing:** Detects heat signatures to trigger alerts for living beings.
- **Customizable Alerts:** Adjust PIR sensitivity levels and alarm intervals in the app settings.
- **Spotlight & Siren:** Automatically activates a motion-activated spotlight and siren to deter intruders.

# PIR Motion Detection

Protect your home with multiple alarm options and watch live video from anywhere, while instantly communicating using the built-in microphone and speakers.



Hey, stay away from my home!

Hey, stay away from my home!



Light Alarm



Siren Alarm



Notification



2-Way Talk

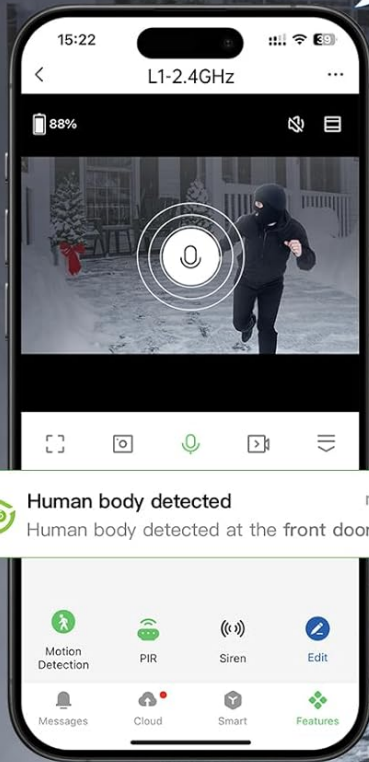
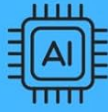


Image: The camera detecting a person, triggering a light alarm, siren, notification, and enabling two-way talk.

# AI Human Motion Detection

Minimize unnecessary alerts by filtering out distractions such as rustling leaves, buzzing insects, pets, and passing vehicles.



AI Local  
No Monthly Fee

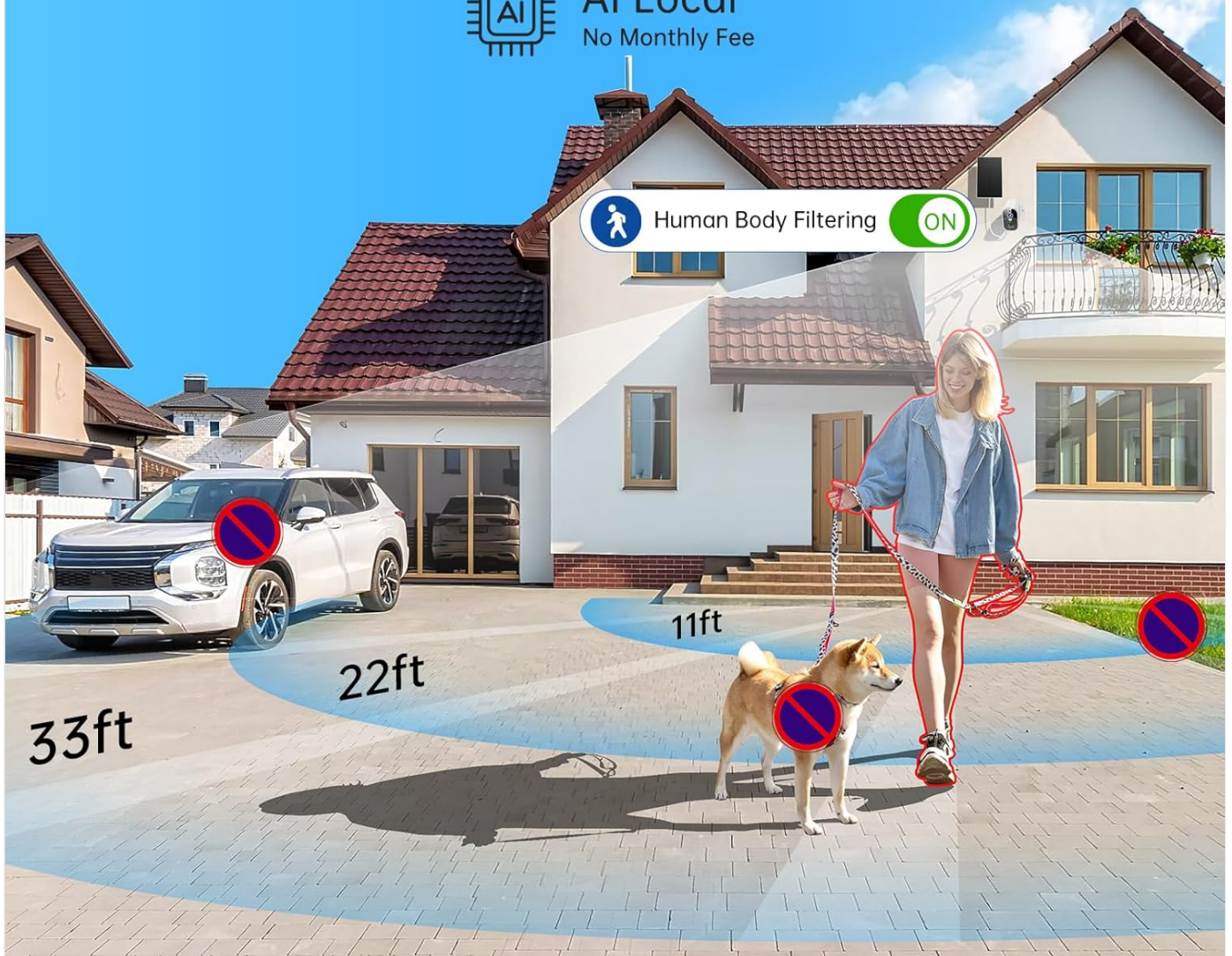


Image: Demonstrates AI human motion detection, showing how the camera filters out non-human movements like vehicles and pets.

## PIR Sensitivity Level Settings

Personalize your security experience with customizable PIR sensitivity settings, tailored to your exact needs and preferences.

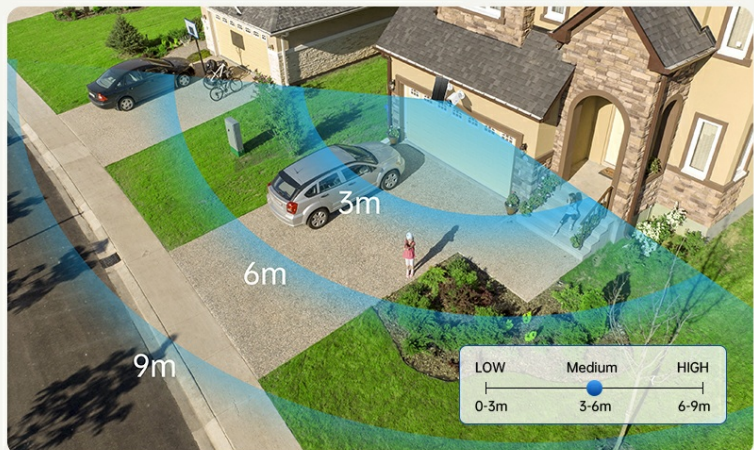


Image: An illustration of the PIR sensitivity level settings within the app, allowing users to customize detection range.

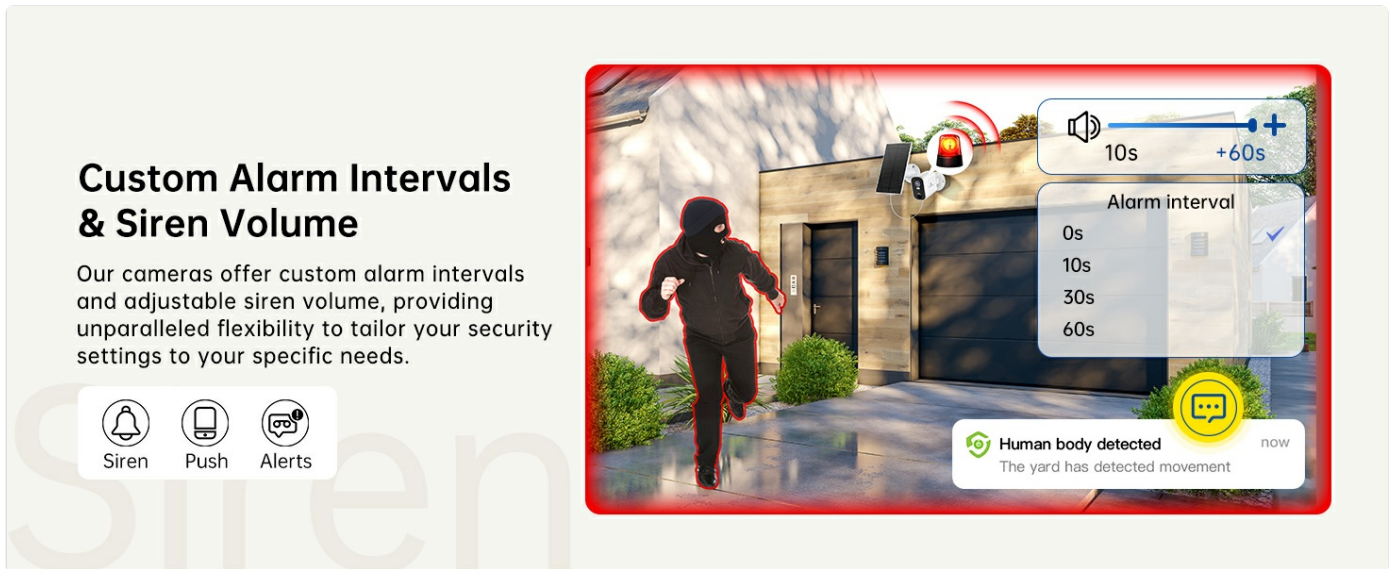


Image: The app interface showing options to customize alarm intervals and siren volume.

## 5.4 Night Vision

The camera offers both color night vision and IR (Infrared) night vision with HDR, providing clear views up to 33 ft (10m) in low-light conditions.

# Clear Details Even in the Dark



Image: Comparison of day vision and color night vision, showing clear details even in the dark.

## Superior Night Vision

Experience the unparalleled clarity of 2K superior night vision, capturing every detail even in the darkest of nights, for a heightened sense of security.

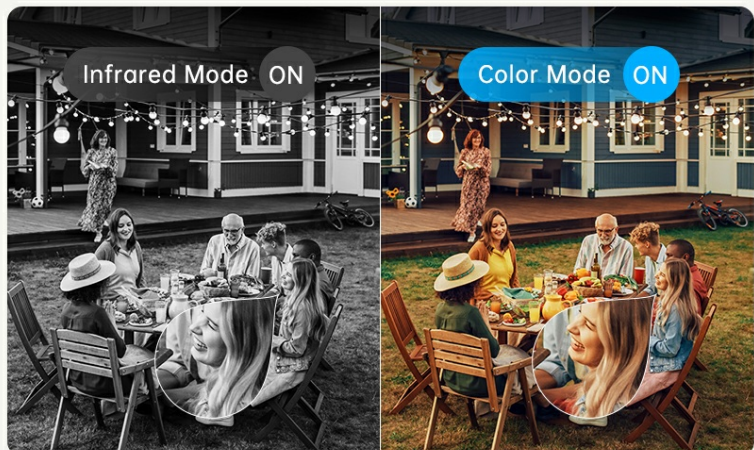


Image: Demonstrates the camera's superior night vision, offering both Infrared Mode and Color Mode for enhanced visibility.

## 5.5 Storage Options

The camera supports encrypted TF card storage (up to 256GB, not included) for local recording. Alternatively, you can opt for cloud backup via the Symynelec app on AWS for secure playback. Cloud storage requires an internet connection and is available after a 7-day free trial.



Image: Illustrates the available storage options: cloud storage with a 7-day trial and TF card storage (max 256GB, not included).

## 5.6 Smart Home Integration

The SYMYNELEC camera is compatible with Alexa and Google Home, allowing for voice control and integration into your smart home ecosystem.

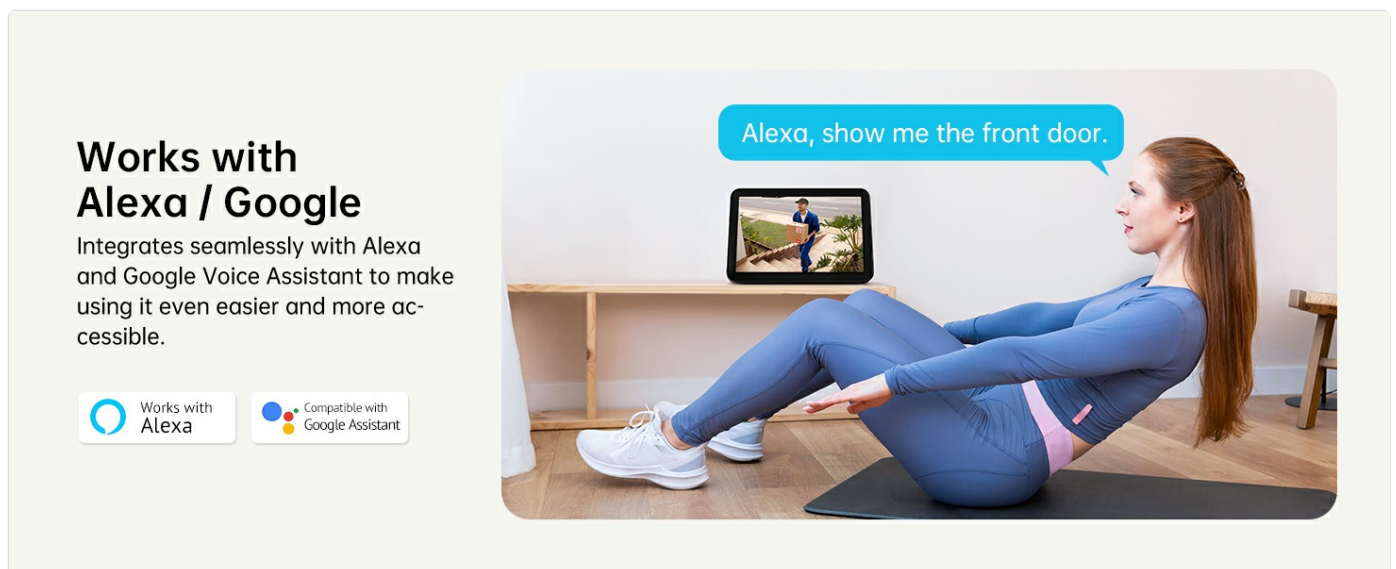


Image: Shows the camera integrating seamlessly with Alexa and Google Voice Assistant for easy control.

## 6. MAINTENANCE

### 6.1 Battery Management

The camera's 5200mAh battery is designed for long-lasting performance. The solar panel helps maintain the charge, but occasional manual charging may be required, especially during periods of low sunlight or high activity. The app will provide low-battery alerts.

## 6.2 Cleaning

Regularly clean the camera lens and solar panel with a soft, damp cloth to ensure optimal performance. Avoid using harsh chemicals or abrasive materials that could damage the surfaces.

## 7. TROUBLESHOOTING

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- **Camera not connecting to Wi-Fi:** Ensure your Wi-Fi network is 2.4GHz. Check Wi-Fi signal strength at the camera's location. Reset the camera and try pairing again.
- **Poor video quality:** Ensure the camera lens is clean. Check your Wi-Fi connection speed.
- **False motion alerts:** Adjust the PIR sensitivity settings in the app. Utilize AI human detection to filter out non-human movements.
- **Battery not charging:** Ensure the solar panel is positioned in direct sunlight and free from obstructions. Check the solar panel cable connection. Manually charge the camera if necessary.
- **No recording:** Ensure a TF card is inserted correctly or that your cloud storage subscription is active. Check recording settings in the app.

## 8. SPECIFICATIONS

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Feature	Description
Model Name	L1-Solar-2.4GHz-1PCS
Resolution	2K Ultra HD (1440p)
Viewing Angle	100 Degrees
Optical Zoom	3x
Night Vision	Color Night Vision Mode; Infrared Mode (up to 33 ft)
Power Source	Solar/Battery Powered (5200mAh rechargeable battery)
Connectivity	2.4GHz Wi-Fi Only (5GHz not supported)
Water Resistance	IP65 Waterproof
Storage Options	Encrypted TF Card (up to 256GB, not included), Cloud Backup
Motion Detection	AI Motion Detection, PIR Heat Sensing, Human Detection
Audio	2-Way Talk, Siren Alarm
Compatibility	Alexa, Google Home, Android, iOS
Operating Temperature	-10°C to 55°C (14°F to 131°F)




## 9. WARRANTY & SUPPORT

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Your SYMYNELEC L1-Solar-2.4GHz Wireless Outdoor Security Camera comes with a one-year replacement warranty. For any technical assistance, installation queries, or product-related issues, please contact our 24/7 technical support team. We are committed to ensuring your satisfaction.



## Professional Live Chat Service

-  Quick response
-  Step by step guide
-  Lifetime support

*Image: Illustration of SYMYNELEC's professional live chat service, emphasizing quick response, step-by-step guides, and lifetime support.*