

## ESCANU HMB1

# ESCANU HMB1 Wireless Outdoor Solar Security Camera User Manual

Model: HMB1 | Brand: ESCANU

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your ESCANU HMB1 Wireless Outdoor Solar Security Camera. This camera is designed for home security, featuring AI motion detection, Wi-Fi connectivity, rechargeable batteries, colorful night vision, two-way audio, and an IP65 waterproof rating.

### Key Features:

- **Solar Powered & Wire-Free:** Equipped with a solar panel and built-in rechargeable batteries for continuous operation without external power cables.
- **1080P Full HD & 2-Way Audio:** Delivers clear video resolution and allows for real-time communication through the camera.
- **Colorful Night Vision:** Provides clear, color images even in low-light conditions with automatic spotlight activation.
- **AI Motion Detection & Instant Alerts:** Advanced motion analysis distinguishes between people, pets, and vehicles, sending immediate notifications to your device.
- **IP65 Waterproof:** Designed to withstand various weather conditions, ensuring reliable outdoor performance.
- **Cloud/SD Card Storage:** Supports both cloud storage (with free 3-day playback) and local SD card storage options.



Figure 1.1: ESCANU HMB1 Wireless Outdoor Solar Security Camera with its accompanying solar panel.

## 2. PACKAGE CONTENTS

Please verify that all components are present and in good condition upon opening the package. If any items are missing or damaged, please contact customer support.

- ESCANU HMB1 Wireless Outdoor Solar Security Camera (with built-in rechargeable batteries)
- Solar Panel with mounting bracket
- Mounting Screws and Wall Anchors
- USB Charging Cable
- User Manual (this document)



Figure 2.1: The main components of the ESCANU HMB1 camera system, including the camera and solar panel.

### 3. SETUP GUIDE

The ESCANU HMB1 camera is designed for easy setup. Most users can complete the setup process within minutes.

#### 3.1 Initial Charging

Before initial use, it is recommended to fully charge the camera's built-in batteries using the provided USB cable. Connect the USB cable to the camera's charging port and a standard 5V USB power adapter (not included). A full charge ensures optimal performance, especially before relying solely on solar power.

#### 3.2 App Download and Registration

1. Download the official companion app from your smartphone's app store (iOS or Android). Search for the app name provided in the quick start guide or on the product packaging.
2. Open the app and follow the on-screen instructions to register a new account.

#### 3.3 Camera Pairing with Wi-Fi

1. Power on the camera.

2. In the app, select 'Add Device' or similar option.
3. Follow the app's instructions to connect the camera to your home's 2.4GHz Wi-Fi network. The camera does not support 5GHz Wi-Fi. You may be prompted to scan a QR code generated by the app with the camera's lens.
4. Once connected, the app will confirm successful pairing.

## Easy setup user friendly App.



1. Download App register and turn on camera



2. Scan to hoop up to your home wifi



3. Liveview successfully



4. Mounting to a suitable spot

Figure 3.1: Visual guide for the easy setup process using the user-friendly app.

### 3.4 Mounting the Camera and Solar Panel

Choose a suitable location for mounting the camera and solar panel. Ensure the camera has a clear view of the area you wish to monitor and the solar panel receives ample direct sunlight throughout the day for optimal charging.

- Use the provided mounting screws and anchors to securely attach the camera and solar panel brackets to a wall or other stable surface.
- Connect the solar panel cable to the camera's charging port.
- Adjust the angle of the solar panel to maximize sun exposure.

## Day time:

Solar power and recharge

## Night time or no sunshine:

Battery power camera for months

2.4Ghz only



Figure 3.2: The camera system utilizes solar power for daytime operation and battery recharge, switching to battery power at night or on cloudy days. It connects via 2.4GHz Wi-Fi.

## 4. OPERATING INSTRUCTIONS

Once your camera is set up, you can access and manage its features through the mobile application.

### 4.1 Live View and Playback

- Open the app and select your camera from the device list to view the live feed.
- Access recorded footage via the playback option. The camera offers free 3-day cloud playback (up to 0.5GB) or local storage via an SD card (not included).

### 4.2 Two-Way Audio

To use the two-way audio feature, tap the microphone icon in the live view interface of the app. You can speak through your phone, and your voice will be projected through the camera's speaker. Similarly, you can hear audio

from the camera's vicinity.

## You could schedule alarm time

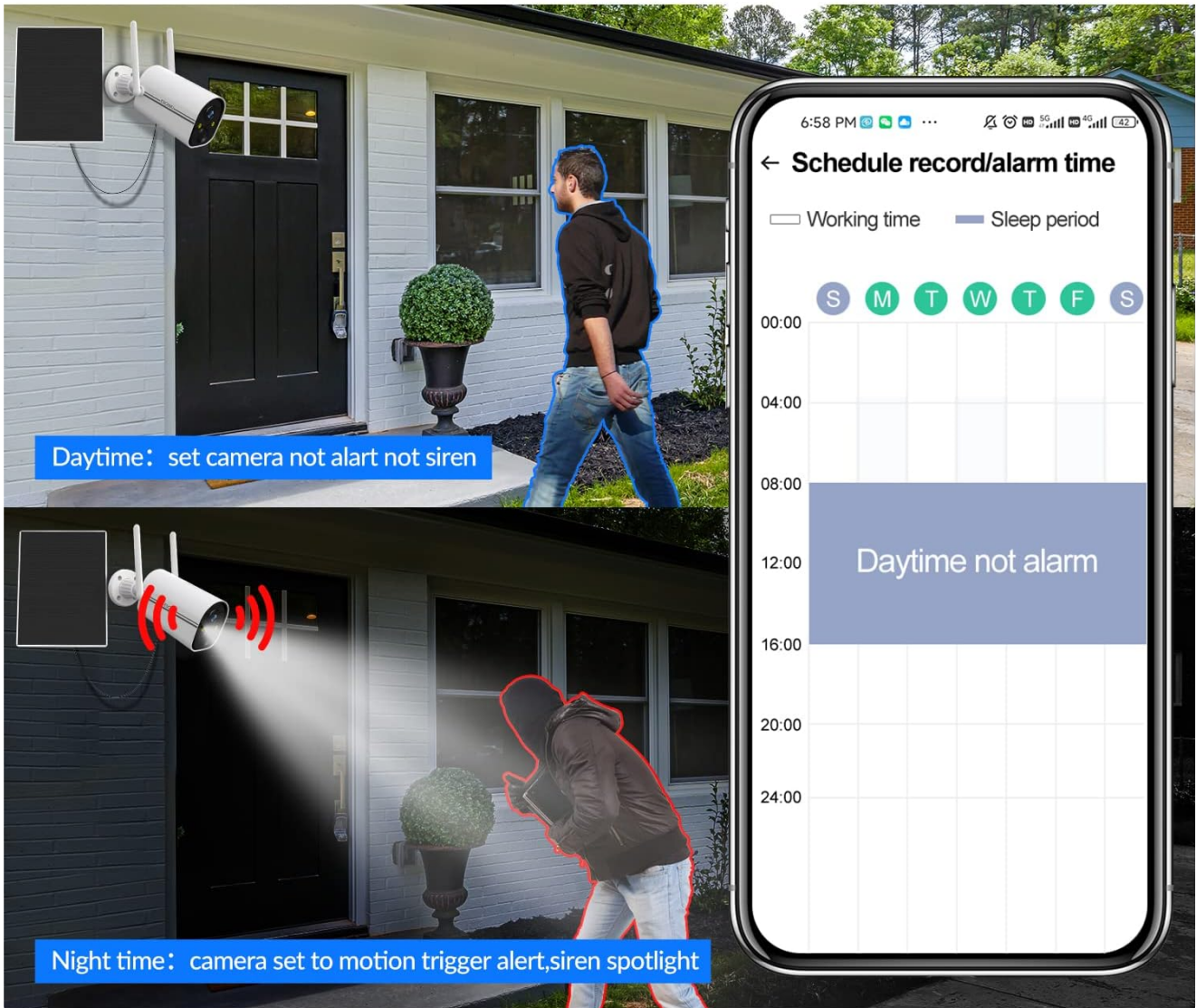
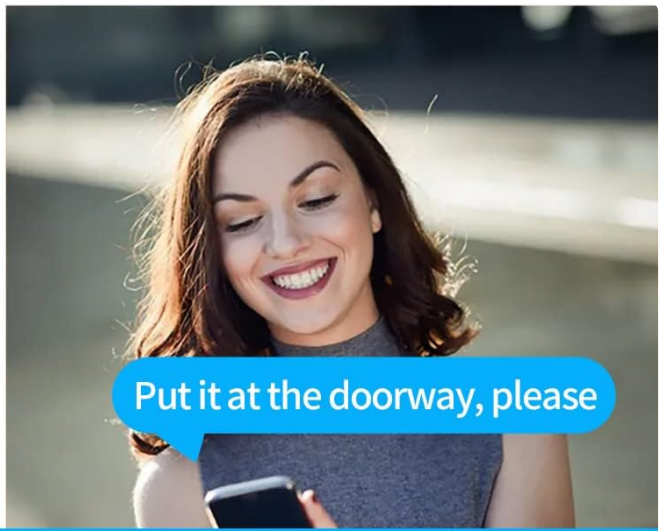
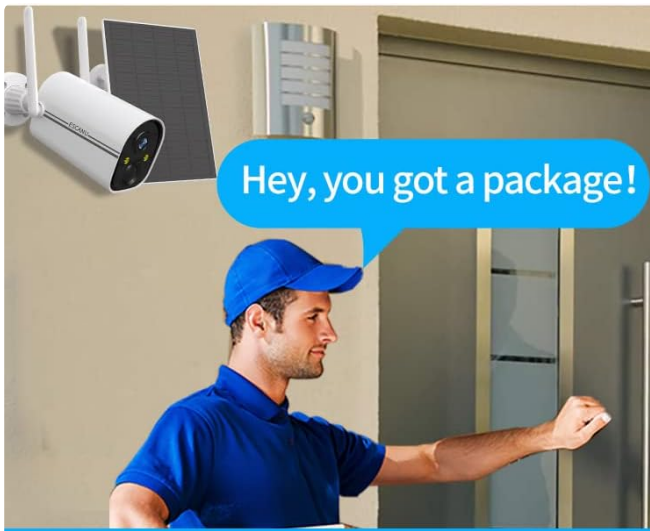


Figure 4.1: The camera supports two-way audio communication, allowing you to speak and listen remotely. Multiple authorized users can access the camera feed simultaneously.

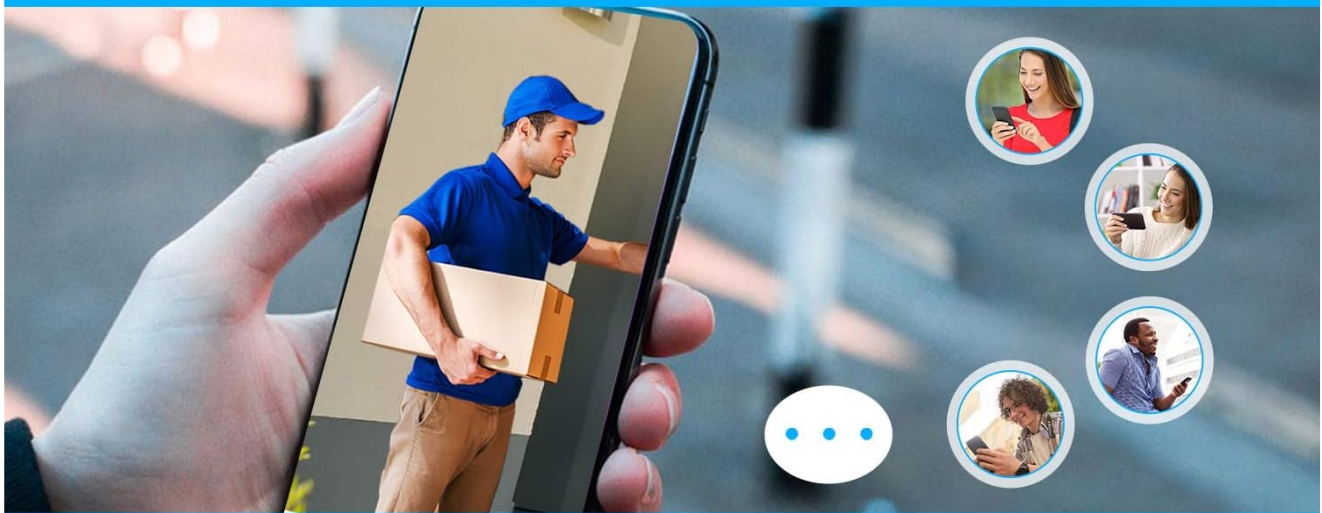
### 4.3 Motion Detection and Alerts

The camera features advanced AI motion detection. When motion is detected, you will receive instant alerts on your smartphone with a photo preview.

- **Alert Types:** Configure the app to trigger a spotlight, siren, or push notification upon motion detection.
- **AI Analysis:** The camera can distinguish between people, pets, cars, and packages (additional subscription service may apply for advanced analysis).
- **Motion Zones:** Set specific motion detection zones within the camera's field of view to reduce false alarms (additional subscription service may apply).



**You could see, you could talk**



**You and your families  
could access camera at the same time**

Figure 4.2: The camera provides instant alerts with options for spotlight activation, push notifications to your phone, and siren sound.

# AI motion Analysis

## One subscription for all cameras

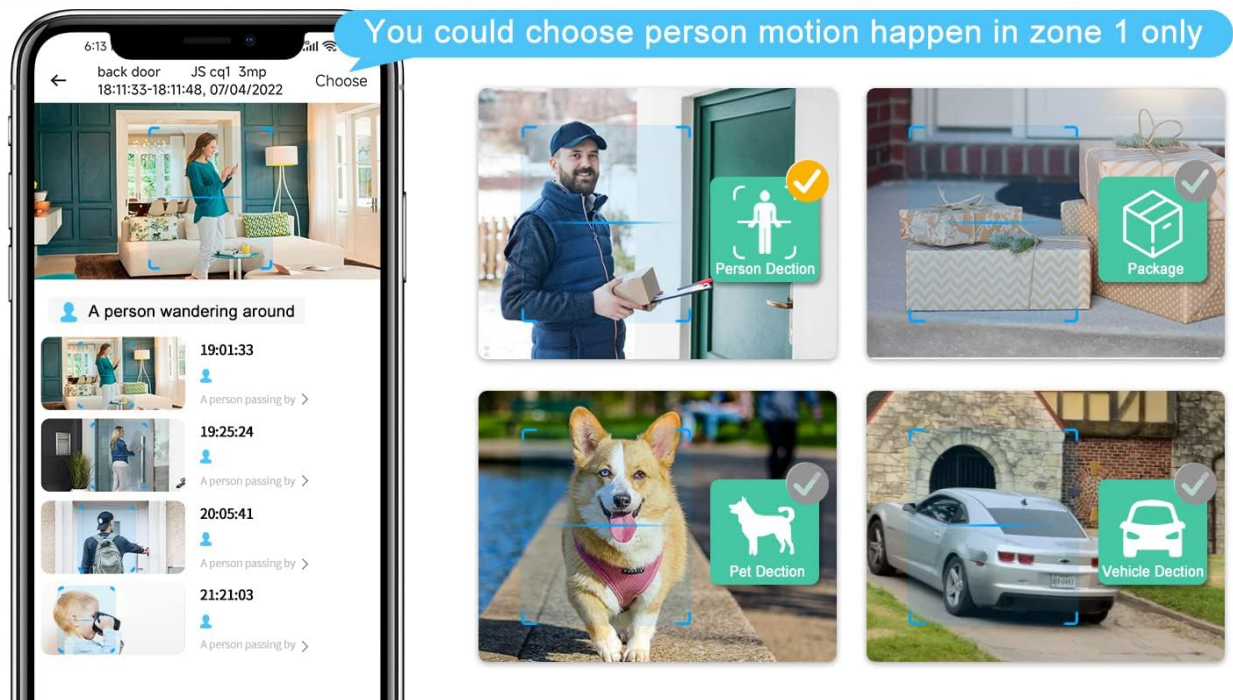


Figure 4.3: The camera's AI motion analysis can differentiate between various objects, including people, pets, cars, and packages, allowing for more precise alerts.

### 4.4 Night Vision

The camera offers colorful night vision. You can set the spotlight to turn on automatically at night to achieve color images in low-light conditions.

# Instant alert and get notification



Figure 4.4: Examples of real image downloads from the app, demonstrating clear daytime footage and colorful night vision with the spotlight on.

## 4.5 Scheduling Alarms

You can schedule specific times for the camera to activate or deactivate alarms and spotlights. For example, you might set the camera not to alarm during daytime hours and to trigger motion alerts with a siren and spotlight at night.

# IP65 Weather proof Design.

Even in harsh weather this camera is designed to stand with.



Figure 4.5: The app allows you to schedule alarm times, enabling different alert behaviors for daytime and nighttime.

## 5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your security camera.

### 5.1 Cleaning

- **Camera Lens:** Gently wipe the camera lens with a soft, clean, lint-free cloth to remove dust or smudges. Avoid abrasive materials that could scratch the lens.
- **Solar Panel:** Periodically clean the surface of the solar panel to ensure maximum sunlight absorption. Dust, dirt, leaves, or snow can reduce charging efficiency. Use a soft cloth and water if necessary.
- **Camera Body:** Wipe the camera body with a damp cloth to remove dirt. Do not use harsh chemicals or solvents.

### 5.2 Battery Care

The camera's built-in rechargeable batteries are designed for long-term use. While the solar panel keeps them charged, in prolonged periods of low sunlight or heavy usage, manual charging via USB may be required to maintain optimal battery levels.

### 5.3 Weather Resistance

The camera has an IP65 waterproof rating, meaning it is protected against dust ingress and low-pressure water jets from any direction. While designed to withstand rain, snow, and varying temperatures, extreme weather conditions may temporarily affect performance.

## Real image down load from APP

daytime



Night:  
Spotlight on,  
Colorful night vision

Figure 5.1: The camera features an IP65 weatherproof design, ensuring durability and functionality in various outdoor conditions, including rain, snow, and temperature fluctuations.

## 6. TROUBLESHOOTING

If you encounter issues with your ESCANU HMB1 camera, refer to the following common problems and solutions.

## 6.1 Camera Not Connecting to Wi-Fi

- **Check Wi-Fi Band:** Ensure your router is broadcasting a 2.4GHz Wi-Fi signal. The camera does not support 5GHz Wi-Fi.
- **Signal Strength:** Place the camera within a strong Wi-Fi signal range. Walls and other obstructions can weaken the signal.
- **Password:** Double-check that you are entering the correct Wi-Fi password.
- **Restart:** Try restarting your Wi-Fi router and the camera.

## 6.2 Battery Not Charging / Low Battery

- **Solar Panel Placement:** Ensure the solar panel is positioned to receive direct sunlight for several hours daily. Obstructions like trees or buildings can block sunlight.
- **Clean Solar Panel:** Clean any dirt, dust, or debris from the solar panel surface.
- **Cable Connection:** Verify that the solar panel cable is securely connected to the camera.
- **Manual Charge:** If the battery is critically low, manually charge the camera using the USB cable for several hours.

## 6.3 No Motion Detection Alerts

- **App Settings:** Check the motion detection settings in the app to ensure it is enabled and sensitivity is set appropriately.
- **Notification Permissions:** Ensure your phone's notification settings allow the camera app to send alerts.
- **Motion Zones:** If motion zones are configured, ensure the motion is occurring within the active zone.

## 6.4 Poor Video Quality

- **Network Speed:** Ensure your Wi-Fi network has sufficient upload speed for streaming video.
- **Lens Cleanliness:** Clean the camera lens if it appears blurry or smudged.
- **App Resolution:** Check if the video resolution setting in the app is set to 1080P HD.

# 7. SPECIFICATIONS

Technical specifications for the ESCANU HMB1 Wireless Outdoor Solar Security Camera.

Feature	Specification
Model Number	HMB1
Video Capture Resolution	1080p Full HD
Connectivity Technology	Wireless (Wi-Fi)
Connectivity Protocol	Wi-Fi (2.4GHz only)
Power Source	Solar Powered, Rechargeable Batteries (2 Lithium Ion included)
Indoor/Outdoor Usage	Outdoor
Water Resistance Level	IP65 Waterproof

Feature	Specification
Night Vision Range	40 Feet
Frame Rate	15 frames per second
Alert Type	Motion Only (AI analysis for person, pet, car)
Control Method	App (Smartphone compatible)
Mounting Type	Wall Mount (Screw In)
Item Dimensions (L x W x H)	6 x 4 x 8 inches
Item Weight	1.76 pounds

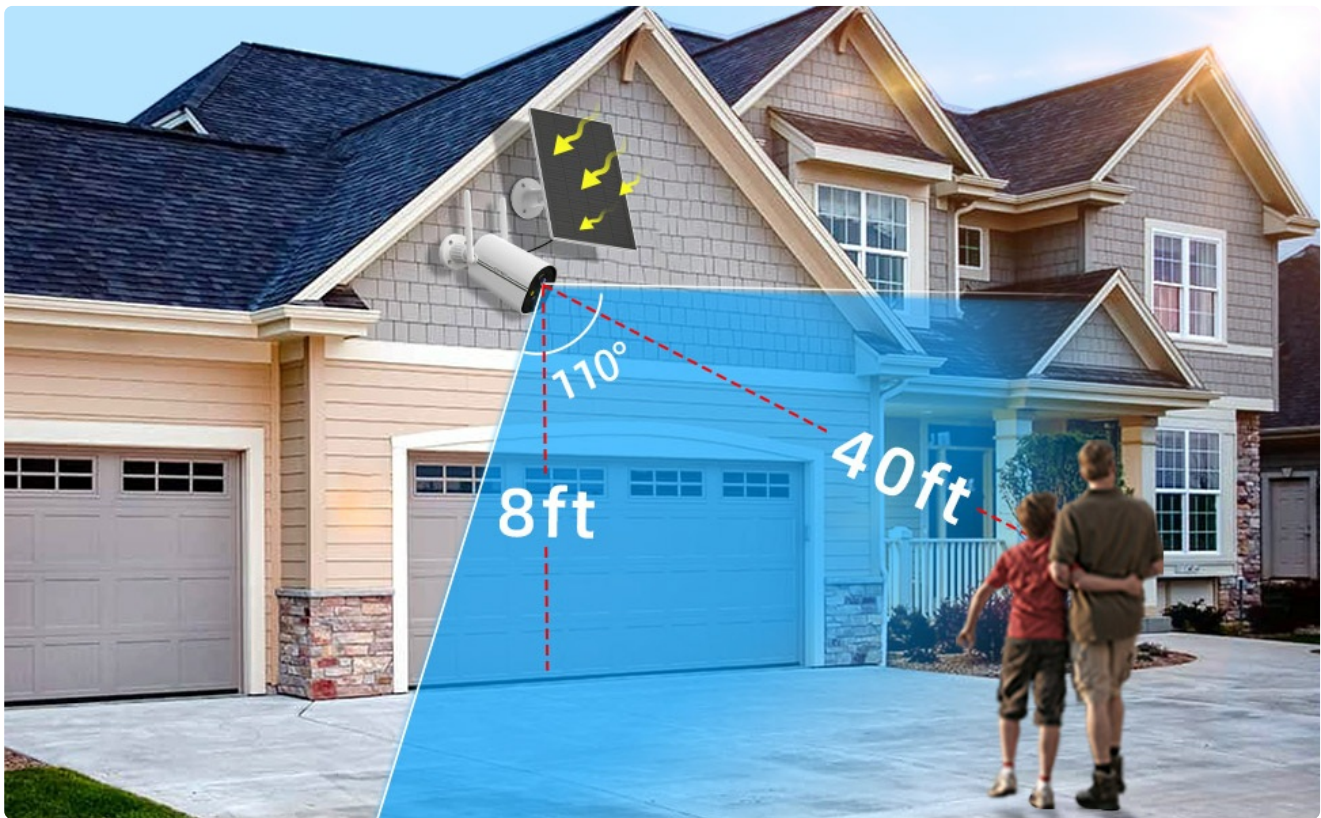


Figure 7.1: The camera offers a 110-degree field of view, with an effective range of up to 40 feet when mounted at an approximate height of 8 feet.

## 8. WARRANTY AND SUPPORT

Specific warranty details and direct customer support contact information are not provided within this manual. For warranty claims, technical assistance, or further inquiries, please refer to the product packaging, the manufacturer's official website, or contact the retailer from whom you purchased the product.

