

## Solareye GX1S

# Solareye Solar Security Camera Wireless Outdoor

MODEL: GX1S - USER MANUAL

## 1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Solareye Solar Security Camera (Model GX1S). This wireless outdoor camera features 2K resolution, 360° pan-tilt-zoom (PTZ) capabilities, color night vision, PIR motion detection, and two-way audio, all powered by an integrated solar panel and a 5200mAh battery. It is designed for reliable outdoor surveillance in various weather conditions.

## 2. What's in the Box

- Solareye Security Camera (Model GX1S)
- Solar Panel
- Charging Cable (USB Type-C)
- Mounting Bracket and Screws
- User Manual



Image: Contents of the Solareye Solar Security Camera package, including the camera, solar panel, charging cable, mounting hardware, and user manual.

### 3. Key Features

- **Solar Powered & 100% Wire-Free:** Equipped with a 5200mAh battery and solar panel for continuous operation without external power cables.
- **2K Ultra HD Video:** Captures clear and detailed footage.
- **Full-Color Night Vision:** Automatically switches to vivid color night vision up to 65ft, with manual spotlight activation via the app.
- **360° PTZ Control:** Offers 355° horizontal and 115° vertical rotation for comprehensive coverage, controllable via the mobile application.

- **AI-Powered Motion Detection:** Advanced PIR sensor and AI differentiate between humans, pets, and vehicles, reducing false alarms. Instant app alerts and flashing lights can deter intruders.
- **Two-Way Audio:** Built-in microphone and speaker allow for real-time communication.
- **IP66 Waterproof:** Designed to withstand rain, snow, and dust, ensuring reliable performance in various weather conditions (-4°F to 122°F).
- **Local Storage:** Supports MicroSD card storage up to 128GB (card not included).
- **Wi-Fi Connectivity:** Connects via 2.4GHz Wi-Fi for remote access and control.

## 4. Setup Guide

### 4.1 Initial Charging

Before installation, fully charge the camera using the provided USB Type-C charging cable. This ensures the battery has sufficient power for initial setup and operation.

### 4.2 Download the Mobile Application

Download the "Morecam" application from your smartphone's app store (iOS or Android). Register an account and log in.

### 4.3 MicroSD Card Installation (Optional)

If you plan to use local storage, insert a MicroSD card (up to 128GB) into the designated slot on the camera. Ensure the camera is powered off before inserting or removing the card.



Image: Close-up of the Solareye camera showing the MicroSD card slot, supporting up to 128GB for local video storage.

### 4.4 Camera Pairing with App

1. Power on the camera.
2. In the Morecam app, tap "Add Device" or the "+" icon.
3. Follow the on-screen instructions to connect the camera to your 2.4GHz Wi-Fi network.
4. Scan the QR code displayed on your phone with the camera lens.
5. Once connected, name your camera and complete the setup.

### 4.5 Mounting the Camera and Solar Panel

Choose an outdoor location with strong 2.4GHz Wi-Fi signal and optimal sunlight exposure for the solar panel. The solar panel should be positioned to receive direct sunlight for several hours daily to maintain battery charge.



- Use the provided mounting bracket and screws to securely attach the camera to a wall or ceiling.
- Mount the solar panel in a location that maximizes sun exposure, ideally facing south (in the Northern Hemisphere) at a 45-degree angle.
- Connect the solar panel cable to the camera's charging port.



Image: A Solareye camera and its solar panel mounted on the exterior wall of a building, demonstrating a typical installation setup.



Image: A person installing the Solareye camera on a wall, highlighting the ease of wireless setup.

## 5. Operating Instructions

### 5.1 Live View and PTZ Control

Open the Morecam app and select your camera to access the live video feed. Use the on-screen joystick controls to pan (355°), tilt (115°), and zoom (4X digital) the camera to monitor different areas.

# 360° Full-Coverage Security System

Eliminate Blind Spots—  
Monitor Every Corner



Image: The Solareye camera providing 360-degree full coverage, with a smartphone displaying the live feed and PTZ controls.

## 5.2 Motion Detection and Alerts

The camera's PIR sensor and AI algorithms detect motion from humans, pets, and vehicles. When motion is detected, you will receive instant alerts on your smartphone. You can customize motion zones and alert schedules within the app.

- **Flashing Lights:** The camera can activate flashing lights to deter intruders upon detection.
- **Audible Siren:** An audible siren can be triggered via the app or automatically upon detection.



# Smart Night Security System

Automatic Triple-Alert Protection



Strobe Light  
Activation



Audible  
Siren Warning



Alert  
message



Go away !!!



Image: Illustrates the camera's AI and PIR motion detection capabilities, identifying people, pets, and cars, with a smartphone showing an alert notification.

## 5.3 Night Vision Modes

The camera offers both infrared (black and white) and full-color night vision. It automatically switches to color night vision when sufficient ambient light is available or when the spotlight is manually activated via the app.



Image: A comparison of stealth (infrared) night vision and full-color night vision, both in 2K HD, showing enhanced clarity with color.

#### 5.4 Two-Way Audio

Utilize the two-way audio feature to speak through the camera's built-in speaker and listen via its microphone. This is useful for communicating with visitors or deterring unwanted guests.



# Instant **Two-Way Audio**

Zero Delay, Crystal Clarity  
–Talk Directly from Your Phone



Image: A person using a smartphone to communicate via the camera's two-way audio feature, showing a conversation with a delivery person.

## 5.5 Video Recording and Playback

Motion-triggered events are recorded to the installed MicroSD card. Access recorded footage through the Morecam app's "History" or "Cloud" sections (if cloud service is subscribed to). You can also manually record live view sessions.

## 6. Maintenance

- **Cleaning:** Regularly wipe the camera lens and solar panel with a soft, damp cloth to ensure clear vision and efficient solar charging. Avoid abrasive cleaners.
- **Battery Life:** The 5200mAh battery is designed for extended use. Ensure the solar panel receives adequate sunlight daily for optimal charging. In prolonged cloudy weather, manual charging via the USB Type-C port may be necessary.
- **Firmware Updates:** Check the Morecam app periodically for firmware updates to ensure your camera has the latest features and security enhancements.

- **Environmental Conditions:** The camera is IP66 rated and operates reliably between -4°F to 122°F. Ensure it is securely mounted to withstand strong winds or heavy precipitation.



Image: The Solareye camera and solar panel shown enduring rain, highlighting its IP66 waterproof and weather-resistant design.

## 7. Troubleshooting

- **Camera Not Connecting to Wi-Fi:**
  - Ensure your Wi-Fi network is 2.4GHz. The camera does not support 5GHz Wi-Fi.
  - Verify the Wi-Fi signal strength at the camera's location using your smartphone.
  - Restart your router and the camera.
  - Ensure the Wi-Fi password is entered correctly in the app.
- **Poor Video Quality:**
  - Check your Wi-Fi signal strength. A weak signal can affect video quality.



- Clean the camera lens to remove any dirt or smudges.
- Ensure there are no obstructions blocking the camera's view.

• **Battery Not Charging:**

- Ensure the solar panel is clean and free from obstructions (e.g., leaves, snow).
- Verify the solar panel is positioned to receive direct sunlight for several hours daily.
- Check the connection between the solar panel and the camera.
- If prolonged cloudy weather, manually charge the camera using the USB Type-C cable.

• **Frequent False Alarms:**

- Adjust the motion detection sensitivity settings in the Morecam app.
- Define specific motion detection zones to exclude areas with frequent irrelevant movement (e.g., busy roads, swaying branches).

• **Two-Way Audio Issues:**

- Ensure your smartphone's volume is up and the app has microphone permissions.
- Check the camera's microphone and speaker for any obstructions.
- Verify a stable Wi-Fi connection.

8. Specifications

Model Name	Solareye-GX1S
Indoor/Outdoor Usage	Outdoor
Power Source	Solar Powered (5200mAh battery)
Connectivity Protocol	Wi-Fi (2.4GHz)
Video Capture Resolution	3MP 2K
Viewing Angle	360 Degrees (355° horizontal + 115° vertical PTZ)
Special Features	2-Way Audio, Motion Sensor, Color Night Vision, PTZ Technology, Weatherproof (IP66)
Operating Temperature	-4°F to 122°F
Storage	MicroSD card (up to 128GB), Cloud Storage (optional)
Dimensions	3.9 x 5.75 x 9.57 inches
Item Weight	1.7 pounds

9. Warranty and Support

Your Solareye Solar Security Camera (Model GX1S) comes with a 2-year protection plan. For any product-related inquiries, technical support, or warranty claims, please contact Solareye customer service:

- **Email:** [support@solareye.us](mailto:support@solareye.us)
- **Phone:** +1 833-210-1883 (US)
- **Calling Hours:** Monday to Friday, 9 AM to 6 PM EST



- **Return Policy:** 2026 days (as per Amazon's return policy at time of purchase)

Please retain your proof of purchase for warranty service.

