Solareye Solareye-ZYG9

Solareye 4G LTE Cellular Outdoor Camera ZY-G9 Instruction Manual

Model: Solareye-ZYG9 | Brand: Solareye

1. Introduction

This manual provides essential information for the proper setup, operation, and maintenance of your Solareye 4G LTE Cellular Outdoor Camera (Model ZY-G9). This camera is designed for outdoor surveillance in locations without Wi-Fi access, utilizing 4G LTE cellular networks for connectivity. It features 2K HD resolution, color night vision, 360-degree live view, PIR motion detection, and two-way audio communication, all powered by a solar panel and built-in battery.

Figure 1: Solareye 4G LTE Cellular Outdoor Camera with Solar Panel.

Figure 2: The Solareye 4G LTE camera is suitable for diverse outdoor environments such as farms, ranches, and camping sites.

2. Safety Information

- Ensure proper installation to prevent the camera from falling.
- Do not expose the camera to extreme temperatures outside its specified operating range (-4°F to 122°F).
- Keep the camera and solar panel free from obstructions to ensure optimal performance.
- Use only the provided charging cable and accessories.
- Avoid disassembling or modifying the device, as this may void the warranty and cause damage.

3. Package Contents

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

- 1x Solareye 4G Security Camera
- 1x Solar Panel
- 1x Built-in SIM Card (pre-installed)
- 1x Charging Cable
- 1x Instruction Manual (this document)
- 1x Mounting Screw Kit

Video 1: Unboxing and overview of the Solareye 4G LTE Security Camera ZY-G9 and its components.

4. Getting Started

4.1 Initial Charging

Before first use, fully charge the camera using the provided charging cable. Connect the cable to the camera's charging port (Type-C) located at the bottom of the camera base and to a standard USB power adapter (not included).

4.2 SIM Card and Micro SD Card Installation

The camera comes with a built-in SIM card. For local storage, insert a Micro SD card (up to 128GB, not included) into the designated slot. Ensure the rubber cover is securely closed after installation to maintain IP66 waterproofing.

Figure 3: Location of the built-in SIM card and Micro SD card slot on the camera.

4.3 App Download and Registration

Download the 'Morecam' app from your smartphone's app store (iOS/Android). Follow the in-app instructions to register an account and add your Solareye camera. The app will guide you through the pairing process.

5. Installation Guidelines

5.1 Choosing a Location

Select a location that receives ample direct sunlight for the solar panel and has good 4G LTE cellular signal strength. Avoid areas with obstructions that might block sunlight or cellular reception. The camera is ideal for remote areas without Wi-Fi, such as farms, ranches, construction sites, and RVs.

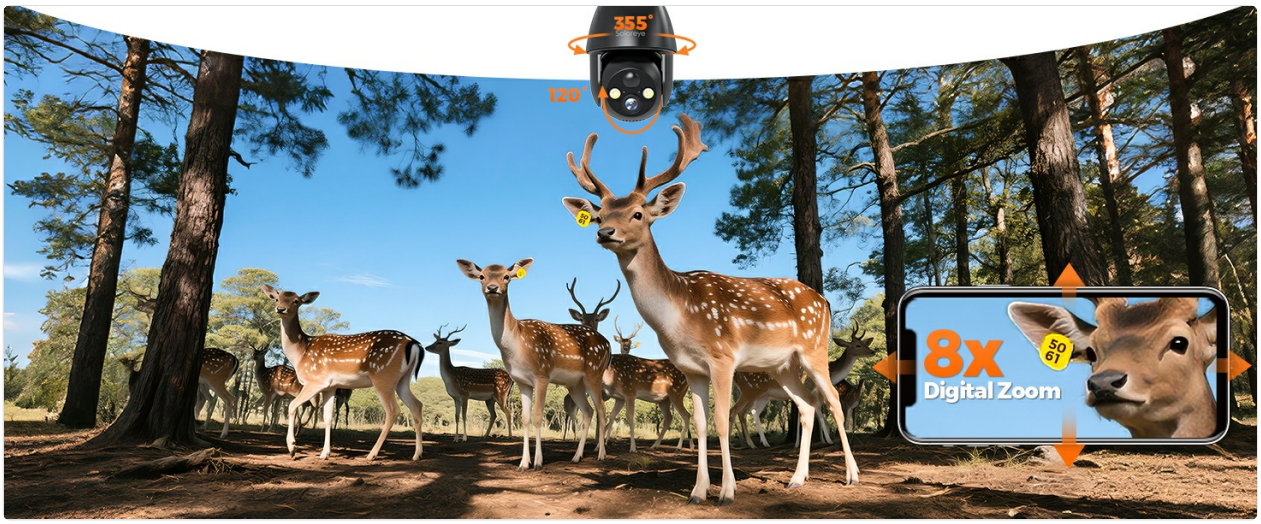


Figure 4: The camera is designed for locations with 4G LTE coverage, where Wi-Fi is not available.

5.2 Mounting the Camera and Solar Panel

Use the provided mounting screws to securely attach the camera and solar panel to a wall or pole. Ensure the solar panel is angled to maximize sun exposure throughout the day. Connect the solar panel cable to the camera's charging port.

Figure 5: Proper mounting of the camera and solar panel for continuous power.

Video 2: Demonstration of mounting the Solareye 2K Cellular Security Camera and solar panel.

6. Operating Your Camera

6.1 Live View and Pan/Tilt Control

Access the 'Morecam' app to view live footage from your camera. Use the on-screen controls to pan (355°) and tilt (120°) the camera lens, providing a 360-degree surveillance view to minimize blind spots.

Figure 6: Control the camera's 360-degree view directly from your smartphone app.

6.2 2-Way Audio Communication

The built-in microphone and speaker allow for two-way audio. Use the app's intercom function to speak through the camera or listen to audio from the camera's vicinity.

6.3 PIR Motion Detection and Alerts

The camera features advanced PIR (Passive Infrared) motion detection with AI capabilities to distinguish

between humans, vehicles, and animals. When motion is detected, you will receive real-time notifications on your smartphone. The camera can also trigger a siren and flashing lights to deter intruders.

Figure 7: Real-time alerts and two-way audio features enhance security by allowing immediate response to detected motion.

6.4 2K HD and Color Night Vision

The camera records in crisp 2K HD resolution. In low-light conditions, the spotlight activates to provide full-color night vision, ensuring clear and detailed footage day and night.

Figure 8: The camera offers both standard night vision and full-color night vision with activated spotlights.

Figure 9: Example of 2K HD video quality during both day and night, capturing wildlife clearly.

6.5 Recording and Playback

Footage is saved to the installed Micro SD card or to the cloud storage (free 30-day trial included). Access recorded videos and playback anytime through the 'Morecam' app.

Figure 10: The camera supports both local storage via Micro SD card and cloud storage for video recordings.

6.6 Data Plans

The built-in SIM card requires a data plan for cellular connectivity. A free 3-day trial is included. Unlimited 4G plans are available starting from $19.9/month. The camera supports AT&T, T-Mobile, and Verizon networks in the U.S. only.

Figure 11: Information on data plans required for the built-in SIM card.

7. Maintenance

7.1 Cleaning

Regularly clean the camera lens and solar panel with a soft, damp cloth to ensure optimal image quality and charging efficiency. Avoid using harsh chemicals.

7.2 Battery Care

The 10,000mAh rechargeable battery is continuously charged by the 5W solar panel. Ensure the solar panel receives adequate sunlight to maintain battery life. In prolonged periods of low sunlight, supplemental charging via the USB-C port may be necessary.

8. Troubleshooting

- **No Cellular Signal:** Check the camera's location for 4G LTE coverage. Relocate if necessary.
- **Battery Not Charging:** Ensure the solar panel is clean and receives direct sunlight. Check the connection between the solar panel and the camera.
- **False Motion Alerts:** Adjust the PIR sensitivity settings in the 'Morecam' app. Ensure the camera's view is clear of moving branches or other non-threats.
- **Poor Image Quality:** Clean the camera lens. Ensure the camera is securely mounted and not vibrating.
- **App Connectivity Issues:** Ensure your smartphone has a stable internet connection. Restart the app and the camera if necessary.

9. Specifications

Feature	Specification
Model Name	Solareye-ZYG9
Indoor/Outdoor Usage	Outdoor
Connectivity Protocol	Cellular (4G LTE)
Power Source	Solar Powered (5W) & 10,000mAh Battery
Video Capture Resolution	3MP 2K
Viewing Angle	360 Degrees (Pan 355°, Tilt 120°)
Night Vision Range	36 Feet (Color Night Vision)
Special Features	2-Way Audio, Motion Sensor, Night Vision, PTZ Technology, Weather Proof (IP66)
Storage Options	Micro SD Card (up to 128GB), Cloud Storage
Dimensions (L x W x H)	3.9 x 5.75 x 9.57 inches

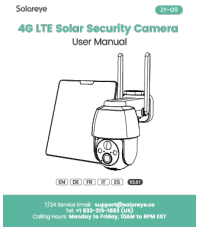
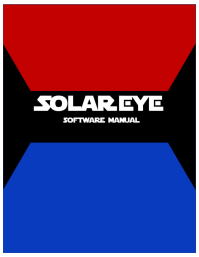
Item Weight	2.27 pounds

10. Warranty and Support

Your Solareye 4G LTE Cellular Outdoor Camera is backed by a 2-Year Protection Plan. For any technical assistance, troubleshooting, or warranty claims, please contact our 24/7 Professional Support team.

- **Email:** support@solareye.co
- **Phone:** +1 833-210-1883 (US)
- **WhatsApp:** +86 138 2331 4654
- **Service Hours:** Monday to Friday, 9AM to 6PM EST

Related Documents - Solareye-ZYG9

	Solareye ZY-G9 4G LTE Solar Security Camera User Manual Comprehensive user manual for the Solareye ZY-G9 4G LTE Solar Security Camera, covering setup, installation, features, troubleshooting, and FAQs.
	SolarEYE Software Manual v4 This manual provides a comprehensive guide to the SolarEYE luminescence imaging hardware and software analysis platform. It covers installation, usage, and analysis routines for various solar cell types, including bifacial, PERC, and single solar cells.