ieGeek ZY-G2

ieGeek ZY-G2 4G LTE Cellular Solar Security Camera User Manual

Model: ZY-G2

1. INTRODUCTION

Thank you for choosing the ieGeek ZY-G2 4G LTE Cellular Solar Security Camera. This device is designed to provide reliable outdoor surveillance in locations without Wi-Fi access, utilizing 4G LTE cellular connectivity and solar power for continuous operation. It features 2K resolution, color night vision, PIR motion detection, and two-way audio. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to ensure optimal performance of your security camera.

Image: ieGeek 4G LTE Solar Cellular Camera operating without Wi-Fi.

2. PACKAGE CONTENTS

Please verify that all components are present and in good condition upon unpacking.

- 1 x ieGeek ZY-G2 4G LTE Security Camera
- 1 x 3W Solar Panel
- 1 x User Manual
- 1 x 5V USB Cable

- 1 x Magnetic Bracket
- Mounting Screws and Anchors

Powerful Features All in One

Built-In SIM Card

2K

Built-in 4G LTE No WiFi Needed

6W Fast Solar Charging

IP66 Waterproof

300° Pan

Pocket Size

Two-Way Audio

Magnetic Installation

Image: All items included in the ieGeek ZY-G2 product package.

3. PRODUCT OVERVIEW

The ieGeek ZY-G2 camera integrates a high-resolution lens, PIR motion sensor, spotlight, and speaker/microphone for comprehensive surveillance. The accompanying solar panel ensures continuous power.

Image: Front view of the ieGeek ZY-G2 camera with its solar panel and magnetic mount.

- **Camera Lens:** Captures 2K resolution video.
- **PIR Motion Sensor:** Detects human and animal movement.
- **Spotlight:** Activates for color night vision and deterrence.
- **Microphone & Speaker:** Enables two-way audio communication.
- **Solar Panel:** Charges the internal 9000mAh battery.
- **Magnetic Base:** Allows for quick and flexible installation.
- **Built-in SIM Card:** Provides 4G LTE cellular connectivity (non-replaceable).

4. Setup

4.1 App Installation

Download the "ieGeek Cam" app from your device's app store (iOS or Android). Follow the on-screen instructions to create an account and add your camera by scanning the QR code located on the device.

4.2 SIM Card Activation

The camera comes with a built-in, non-replaceable SIM card. To activate cellular service, open the ieGeek Cam app and follow the prompts to select a data plan. A 7-day free unlimited trial is typically included. Ensure the camera is installed in an area with AT&T, Verizon, or T-Mobile 4G LTE coverage for optimal

performance.

Image: Diagram illustrating the built-in 4G LTE SIM card functionality.

4.3 Mounting the Camera

The camera offers flexible installation options:

- **Magnetic Mount:** The strong magnetic base allows for quick attachment to any metal surface without drilling.
- **Wall Mount:** Use the provided screws and anchors to securely attach the magnetic bracket to a wall or other non-metallic surface. Ensure the mounting location provides a clear view and good cellular signal.

Image: Demonstration of the magnetic mounting feature for easy installation.

4.4 Connecting the Solar Panel

Connect the solar panel to the camera's charging port. Position the solar panel in an area that receives direct sunlight for several hours daily to ensure continuous charging of the internal battery. The 9000mAh battery provides power even on cloudy days.

300° Pan View & Smart App Control
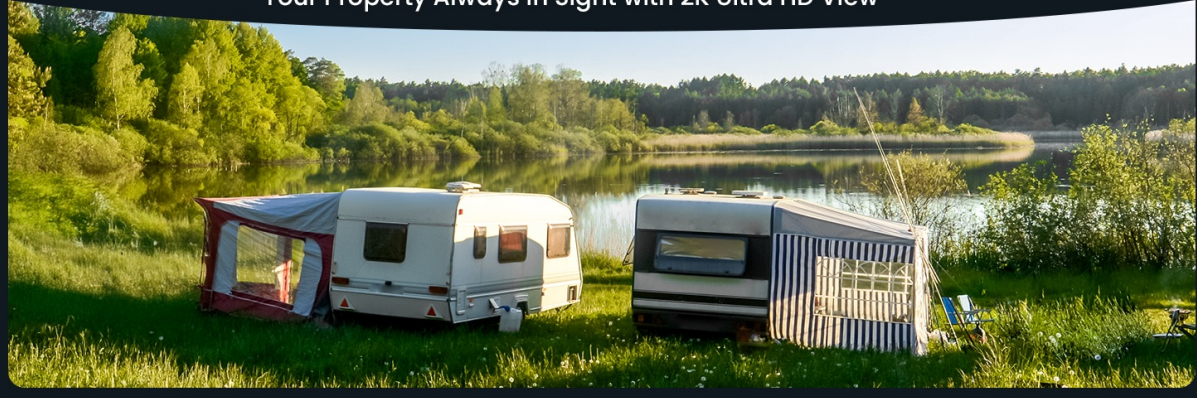## Your Property Always in Sight with 2K Ultra HD View

Image: The camera and solar panel installed on a tree, illustrating continuous solar power.

5. OPERATING INSTRUCTIONS

5.1 Live View and Pan/Tilt Control

Access the live video feed through the ieGeek Cam app. The camera supports 300° pan and 90° tilt functionality, allowing you to remotely adjust the viewing angle to cover a wide area without blind spots.

Works in All 4G-Covered Regions in the U.S.

Mountains
Pastures
Rural
City

Image: Panoramic view captured by the camera, demonstrating its wide coverage.

5.2 Motion Detection and Alerts

The camera features advanced PIR motion detection. You can customize detection zones and sensitivity settings within the app to minimize false alerts. Upon detection, the camera sends instant push notifications to your smartphone. The built-in two-way audio allows you to communicate with visitors or deter intruders remotely.

Image: Visual representation of PIR motion detection and app notifications.

Image: The camera's smart PIR detection identifying human figures in a scene.

5.3 Night Vision

The camera provides clear 2K FHD resolution footage both day and night. With its built-in spotlight, it offers full-color night vision, ensuring detailed and realistic images even in low-light conditions. Infrared night vision is also available.

Image: Comparison of standard night vision and color night vision with spotlight activated.

5.4 Storage Options

Recordings can be saved in two ways:

- **MicroSD Card:** Insert a microSD card (not included) into the camera's slot for local storage.
- **Cloud Storage:** Utilize the optional cloud storage service for easy playback and sharing. A 7-day free cloud storage trial is typically available.

Image: Representation of cloud storage for video recordings.

6. MAINTENANCE

6.1 Cleaning

Regularly clean the camera lens and solar panel with a soft, damp cloth to ensure clear image quality and efficient solar charging. Avoid abrasive cleaners.

6.2 Battery Care

The camera's built-in 9000mAh battery is designed for long-term use. Ensure the solar panel is positioned for maximum sun exposure. If the battery level drops significantly due to prolonged cloudy weather, you may need to temporarily charge the camera using the provided USB cable.

6.3 Firmware Updates

Periodically check the ieGeek Cam app for available firmware updates. Keeping your camera's firmware updated ensures optimal performance, security, and access to new features.

7. TROUBLESHOOTING

Issue	Possible Cause	Solution
Camera not connecting to 4G network	Poor cellular signal; SIM card not activated; Data plan expired.	Relocate camera to an area with better 4G coverage. Verify SIM activation and data plan status in the ieGeek Cam app.
Battery not charging	Solar panel obstructed or improperly positioned; Prolonged cloudy weather; Solar panel cable disconnected.	Ensure solar panel has direct sunlight. Check cable connection. If necessary, charge camera via USB cable.
Frequent false motion alerts	High sensitivity setting; Detection zone too wide; Environmental factors (e.g., moving branches).	Adjust PIR sensitivity in the app. Refine detection zones to exclude irrelevant areas.
No video recording	MicroSD card full or faulty; Cloud storage subscription expired; Recording settings incorrect.	Check microSD card status or replace. Verify cloud subscription. Review recording settings in the app.
Two-way audio not working	Microphone/speaker muted in app; Volume too low; Network latency.	Ensure audio is enabled and volume is adequate in the app. Check network connection stability.

8. SPECIFICATIONS

Feature	Detail
Model Name	ZY-G2
Indoor/Outdoor Usage	Outdoor
Connectivity Protocol	Cellular (4G LTE)
Power Source	Solar & Battery (9000mAh)
Video Capture Resolution	2K (3MP Max Webcam Image Resolution)
Night Vision	Color Night Vision, Infrared Night Vision
Special Features	2-Way Audio, PTZ Technology (300° Pan, 90° Tilt), Weather Proof (IP66)
Mounting Type	Wall Mount, Magnetic Mount
Compatible Devices	iOS & Android (ieGeek Cam App)
Dimensions (L x W x H)	7.24 x 2.28 x 2.9 inches
Item Weight	12.3 ounces (350 Grams)
Batteries	1 AAA batteries required (included, likely referring to internal rechargeable battery)
Optical Zoom	4x
Video Capture Format	MPEG-4

9. WARRANTY AND SUPPORT

ieGeek is committed to providing high-quality products and customer satisfaction. If you encounter any issues with your ieGeek ZY-G2 camera, including battery charging or solar panel performance, please do not hesitate to contact our customer support team. We are dedicated to providing the best possible solution for you.
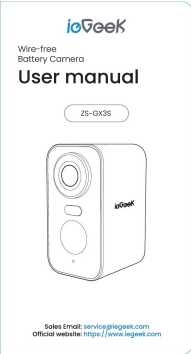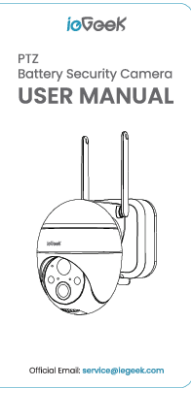
For support, please refer to the contact information provided in the ieGeek Cam app or visit the official ieGeek website.

Related Documents - ZY-G2

[ieGeek DQ201 PTZ Battery Security Camera User Manual](#)
Comprehensive user manual for the ieGeek DQ201 PTZ Battery Security Camera, covering introduction, app installation, camera setup, charging, installation guides, PIR motion sensor notes, and FAQs.

	[ieGeek ZS-GX3S Wire-free Battery Camera User Manual](#) User manual for the ieGeek ZS-GX3S wire-free battery camera, covering setup, Wi-Fi connection, charging, installation, and troubleshooting.
	[ieGeek 4G LTE Cellular Wireless Security Camera User Manual](#) Comprehensive user manual for the ieGeek 4G LTE Cellular Wireless Security Camera, covering setup, operation, troubleshooting, and features.
	[ieGeek ZS-GX4S PTZ Battery Security Camera User Manual](#) User manual for the ieGeek ZS-GX4S PTZ Battery Security Camera, covering camera introduction, app installation, account registration, Wi-Fi connection, battery charging, installation guides, PIR motion sensor notes, and FAQs.
	[ieGeek PTZ Outdoor Security Camera User Manual](#) User manual for the ieGeek PTZ Outdoor Security Camera, providing setup instructions, features, and troubleshooting.
	[ieGeek PTZ Battery Security Camera User Manual](#) User manual for the ieGeek PTZ Battery Security Camera, providing instructions on setup, connection, charging, installation, and troubleshooting.