SIIOOE DM324-B2

SIIOOE 2K Wireless Outdoor Solar Security Camera System

MODEL: **DM324-B2**

Brand: SIIOOE

Introduction

This instruction manual provides detailed guidance for the installation, operation, and maintenance of your SIIOOE 2K Wireless Outdoor Solar Security Camera System. Please read this manual thoroughly before use to ensure proper functionality and safety.

Safety Information

- Ensure the camera and solar panel are securely mounted to prevent accidental falls.
- Do not attempt to disassemble or modify the device, as this may void the warranty and cause damage.
- Keep the device away from extreme heat sources or open flames.
- Use only the provided charging cable and solar panel for power.
- Avoid pointing the camera directly at strong light sources for extended periods, as this may affect image quality.

Package Contents

Verify that all items are present in your package:

- Security Camera
- Solar Panel
- Charging Cable
- Instruction Manual
- Mounting accessories (screws, anchors)

Figure 1: Contents of the product package.

Product Overview

The SIIOOE 2K Wireless Outdoor Solar Security Camera is designed for comprehensive home surveillance with advanced features:

- **360° Rotating & 2K Color Night Vision:** The camera head can rotate 350° horizontally and 115° vertically, offering a wide 110° viewing angle. Equipped with 2 infrared LEDs, it provides 2560*1440 resolution for clear pictures and videos up to 65ft, including color night vision.
- **Alarm Light & Sound:** Configure the camera to emit a harsh alarm sound to deter intruders or unwanted animals. Manual activation via the app is also available.
- **Solar Powered Wireless Battery:** Operates continuously with solar energy, eliminating the need for frequent manual charging. Features a powerful 5000mAh lithium battery.
- **IP66 Waterproof:** Designed to withstand various weather conditions, including rain and snow.
- **PIR Motion Detection:** Advanced motion detection records meaningful movements, reducing false alarms.
- **Two-Way Audio:** Communicate with visitors or deter intruders using the built-in microphone and speaker.
- **Local Storage & Cloud Services:** Supports up to 64GB SD card (not included) for local storage and offers optional cloud storage.
- **Easy Installation:** Wire-free design with multiple mounting options for flexible placement.
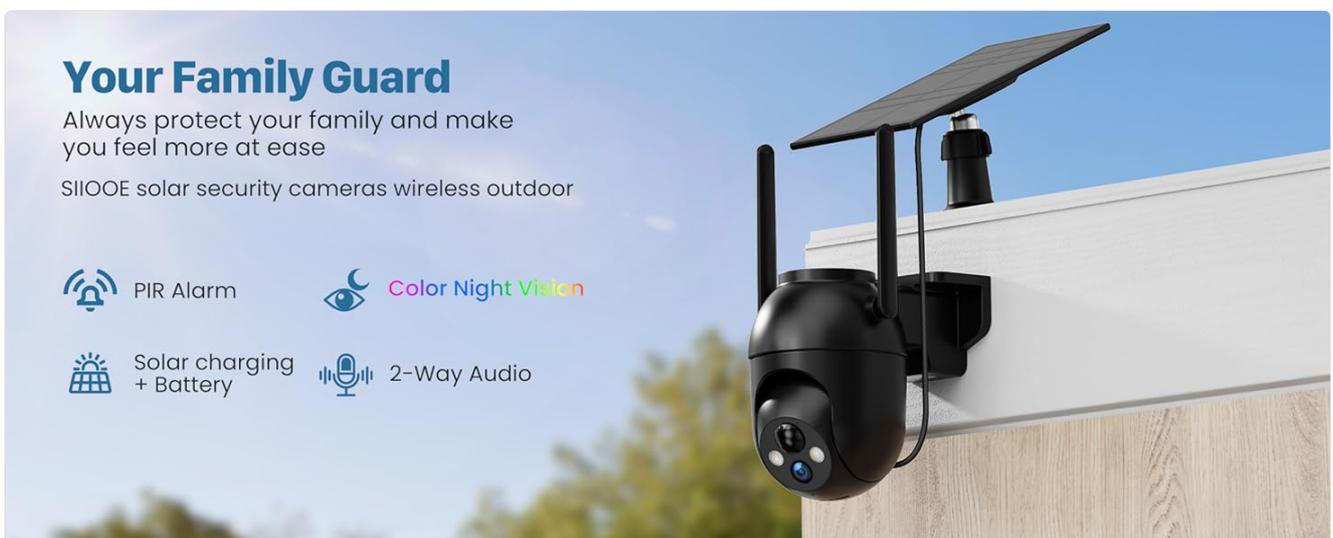

Figure 2: Key features of the security camera system.

Figure 3: Detailed view of the 2K HD lens for clear imaging.

Setup

1. Initial Charging

Before first use, fully charge the camera's internal 5000mAh battery using the provided USB-C charging cable. The solar panel will maintain the charge once installed.

Figure 4: Solar panel provides continuous power, reducing manual charging.

2. App Installation

Download the 'CloudEdge' app from your smartphone's app store (available on App Store and Google Play). Follow the in-app instructions to register an account and add your new camera device.

Easy to install
Dual connection, fast recognition, and simple connection.

Figure 5: Easy installation and app connection process.

3. Mounting the Camera and Solar Panel

The camera and solar panel can be mounted separately or together. Ensure the solar panel is placed in an area that receives direct sunlight for most of the day. The camera offers flexible mounting options with screw holes for various surfaces.

- The solar panel must be completely exposed to sunlight, with no obstructions.
- The solar panel should face south to maximize sunlight exposure.
- Adjust the tilt angle of the solar panel to 30-40 degrees for optimal charging.

Note: Incorrect installation of solar panels can cause the camera to not charge, leading to battery depletion and camera malfunction.
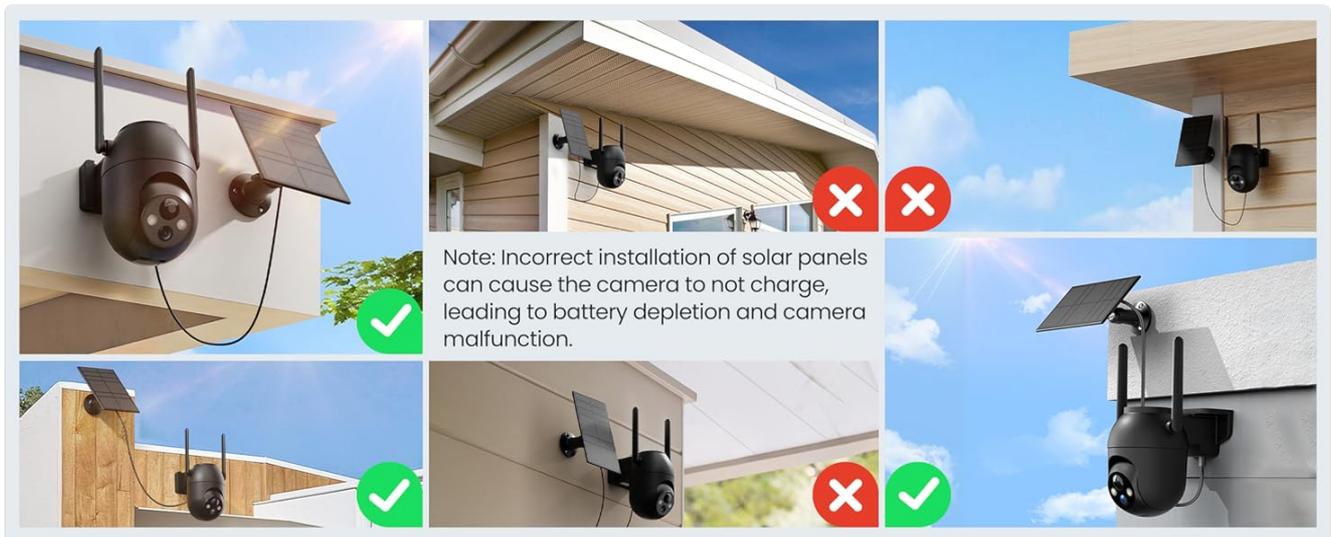
Figure 6: Guidelines for correct solar panel installation.

4. SD Card Installation (Optional)

To install an SD card (up to 64GB, not included), gently pull down the waterproof flap on the camera body. Insert the SD card into the designated slot. This provides local storage for recordings.

Operating Instructions

1. Live View

Open the CloudEdge app and select your camera to access the live video feed. You can monitor your property in real-time.

2. Pan & Tilt Control

Use the directional controls within the app to remotely rotate the camera 350° horizontally and 115° vertically, allowing you to view different areas of your property.
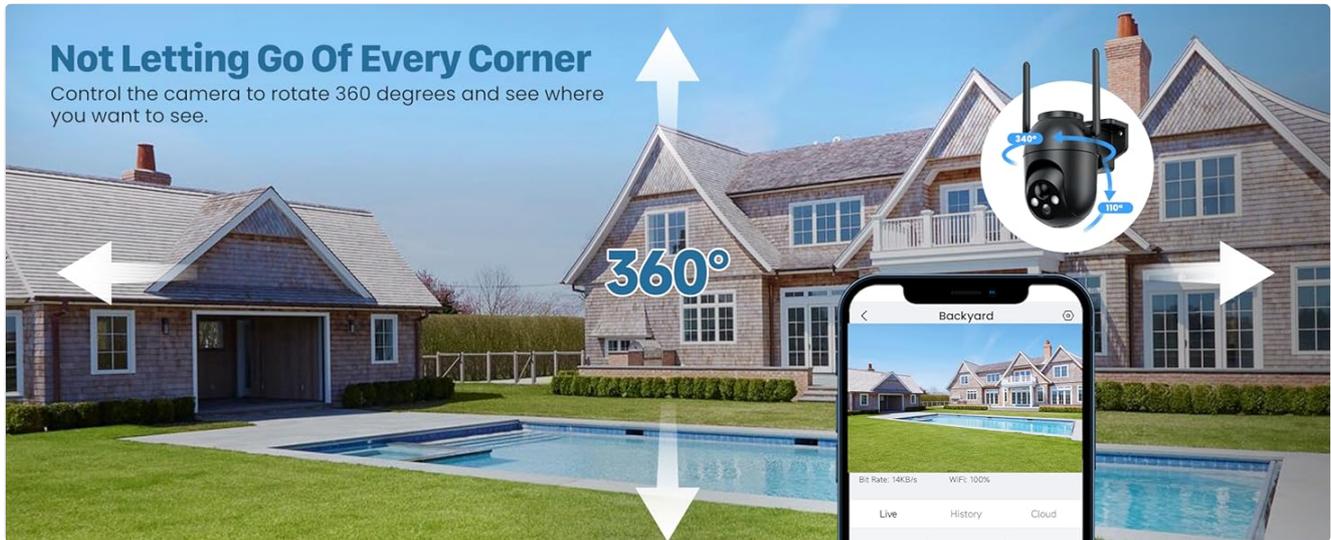

Figure 7: Control the camera's 360° rotation from your smartphone.

Video 2: Demonstrates the camera's rotation controlled via the app.

3. Motion Detection

Configure motion detection settings in the app. The camera uses PIR (Passive Infrared) detection to identify meaningful movements, such as humans or animals, and sends alerts to your phone. Adjust sensitivity levels (energy saving, normal, sensitive) to suit your environment.
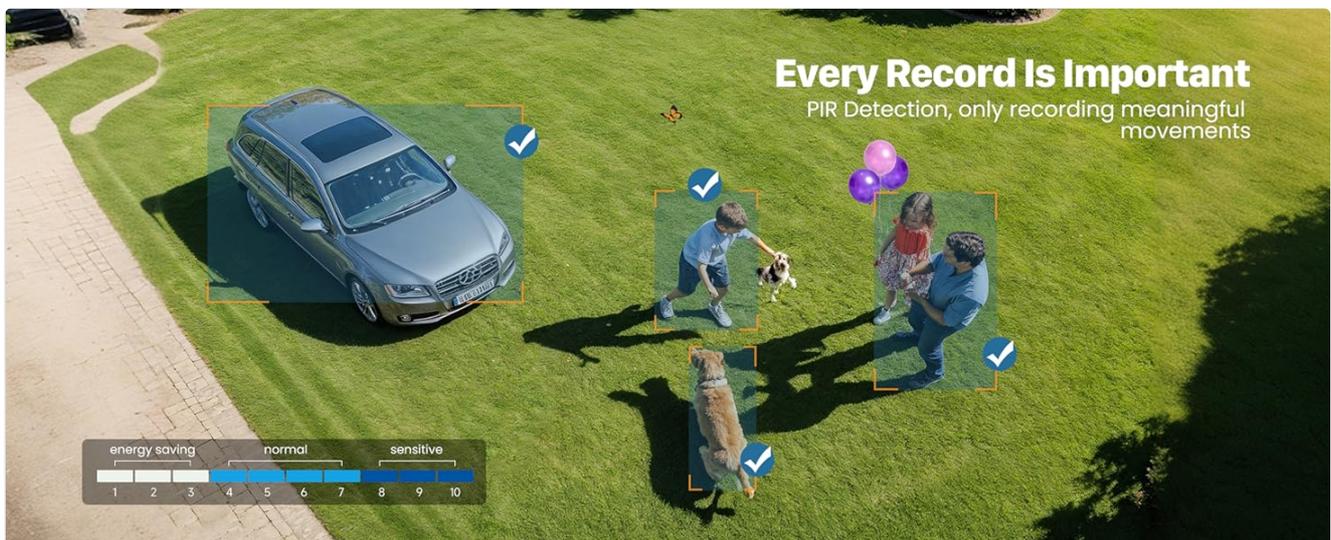

Figure 8: Adjust PIR detection sensitivity for optimal performance.

4. Two-Way Audio

Utilize the intercom feature in the app to speak through the camera's speaker and listen through its microphone. This allows for real-time communication.
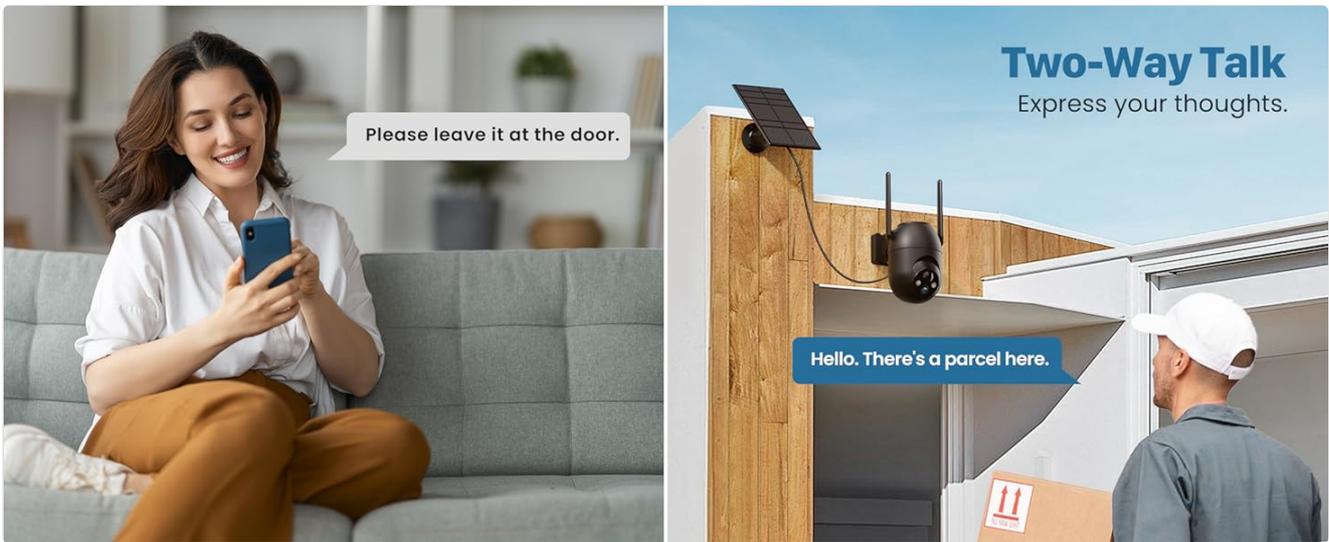
Figure 9: Engage in two-way communication via the camera.

5. Night Vision

The camera supports both infrared night vision (black and white) and color night vision, providing clear visibility in low-light conditions.

Figure 10: Experience clear color night vision for enhanced detail.

Video 3: Demonstrates the camera's color night vision capabilities.

6. Multi-User Sharing

Share access to your camera's live feed and recordings with family members through the CloudEdge app, allowing multiple users to monitor the property simultaneously.

Figure 11: Share camera access with your family for collective monitoring.

Maintenance

- **Cleaning:** Regularly wipe the camera lens and solar panel with a soft, damp cloth to ensure clear vision and efficient charging.
- **Battery Life:** The solar panel is designed to keep the battery charged. In periods of prolonged low sunlight, you may need to manually charge the camera via USB-C.
- **Firmware Updates:** Check the CloudEdge app periodically for firmware updates to ensure optimal performance and access to new features.

Troubleshooting

- **Camera Offline:** Check Wi-Fi connection (ensure it's 2.4GHz, 5G is not supported). Verify power supply from the solar panel or battery.
- **Poor Image Quality:** Clean the camera lens. Ensure adequate lighting for night vision. Check Wi-Fi signal strength.
- **Motion Detection Issues:** Adjust motion detection sensitivity in the app. Ensure the camera's field of view is clear of obstructions that might cause false alarms.
- **Battery Not Charging:** Ensure the solar panel is clean and positioned to receive direct sunlight. Check the connection between the solar panel and the camera.

Specifications

Feature	Specification
Model Number	DM324-B2
Indoor/Outdoor Usage	Indoor, Outdoor
Compatible Devices	Smartphone
Power Source	Solar Powered
Connectivity Protocol	Wi-Fi (2.4GHz only)
Controller Type	CloudEdge App

Mounting Type	Wall Mount
Video Capture Resolution	2K (2560*1440)
Night Vision Range	10 Meters (65ft)
Water Resistance Level	IP66 Waterproof
Batteries Required	Yes (1 Lithium Polymer battery included)
Item Dimensions L x W x H	4 x 4 x 4 inches
Item Weight	3.39 pounds
Special Features	2-Way Audio, Motion Sensor, Night Vision, 360 Degree Coverage

Warranty and Support

For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official SIIOOE website. Keep your purchase receipt for warranty claims.