

ANRAN SWUS-Q03-2025-New

ANRAN 2K Solar Security Camera User Manual

Brand: ANRAN

Model: SWUS-Q03-2025-New

1. INTRODUCTION

Welcome to the user manual for your ANRAN 2K Solar Security Camera. This guide provides detailed instructions for setting up, operating, and maintaining your wireless outdoor camera. Designed for comprehensive home surveillance, this camera features 2K resolution, 360° PTZ (Pan-Tilt-Zoom) capabilities, PIR human detection, 3MP night vision, and two-way audio, all powered by solar energy with battery backup. Please read this manual carefully to ensure proper installation and optimal performance of your device.

2. WHAT'S IN THE BOX

Verify that all components are present in your package:

- 1 x Wireless Solar Camera
- 1 x 3W Solar Panel
- 1 x USB Cable
- 1 x Screw Pack (for mounting)
- 1 x User Manual

2K Color Night Vision

View more clearly in color night mode

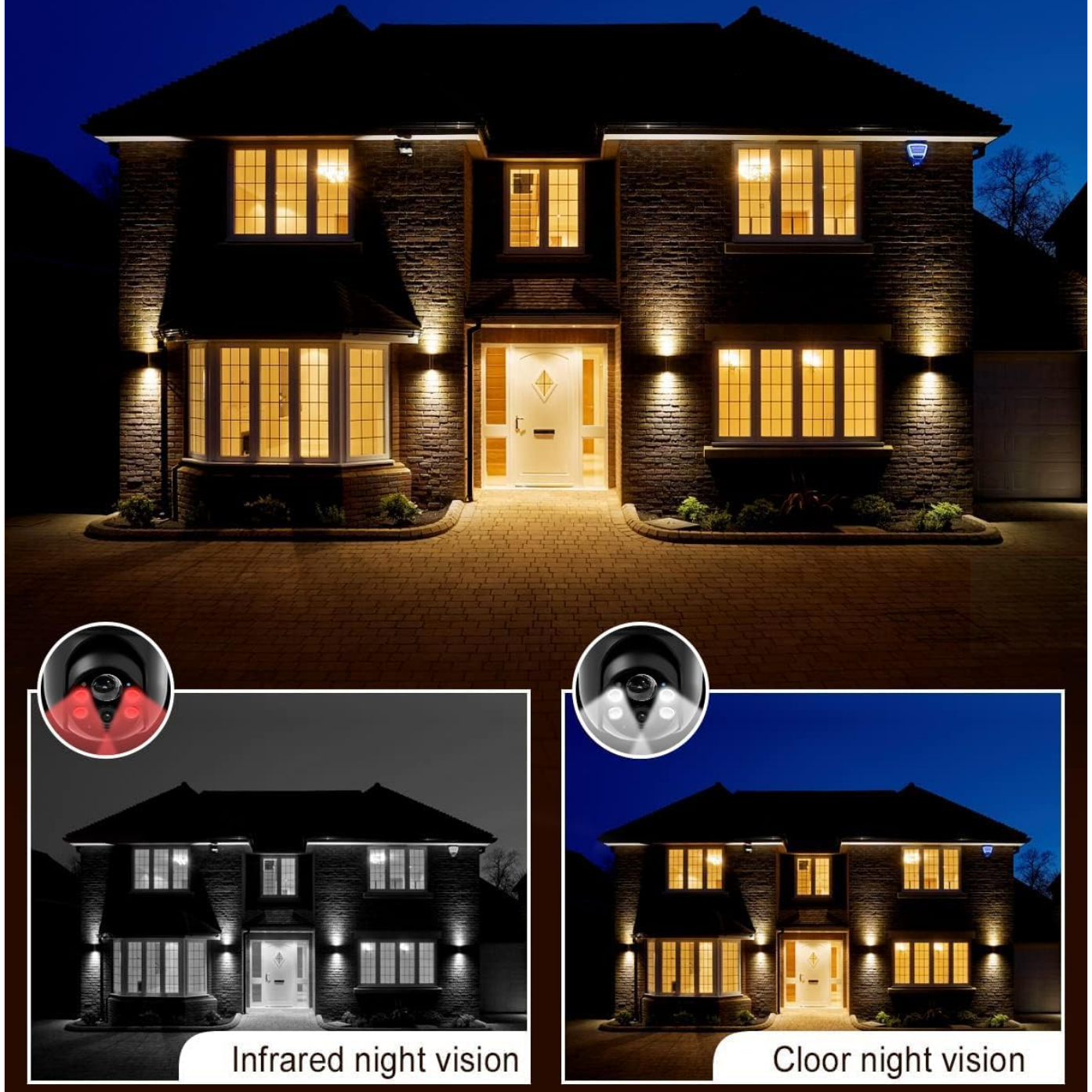


Figure 2.1: Included components of the ANran 2K Solar Security Camera package.

3. PRODUCT OVERVIEW

Familiarize yourself with the main parts of your ANRAN Solar Security Camera:



Figure 3.1: Front view of the ANRAN 2K Solar Security Camera, highlighting its integrated solar panel and camera features.

Camera Components:

- **Camera Lens:** Captures 2K resolution video.
- **Infrared LEDs:** For night vision.
- **Spotlights:** For color night vision and alarm illumination.
- **PIR Sensor:** Detects human motion.
- **Microphone:** For audio input.
- **Speaker:** For two-way audio and siren output.
- **Micro SD Card Slot:** For local video storage (up to 128GB, not included).
- **Reset Button:** Used for pairing and factory reset.
- **Solar Panel Connector:** Connects the camera to the solar panel for continuous charging.
- **Antennas:** For Wi-Fi connectivity.

4. SETUP GUIDE

4.1 Initial Charging

Before first use, fully charge the camera's internal battery 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 during initial setup and periods of low sunlight.

4.2 Micro SD Card Installation

To enable local video recording, install a Micro SD card (up to 128GB, not included) into the camera's designated slot. Ensure the camera is powered off before inserting or removing the card.

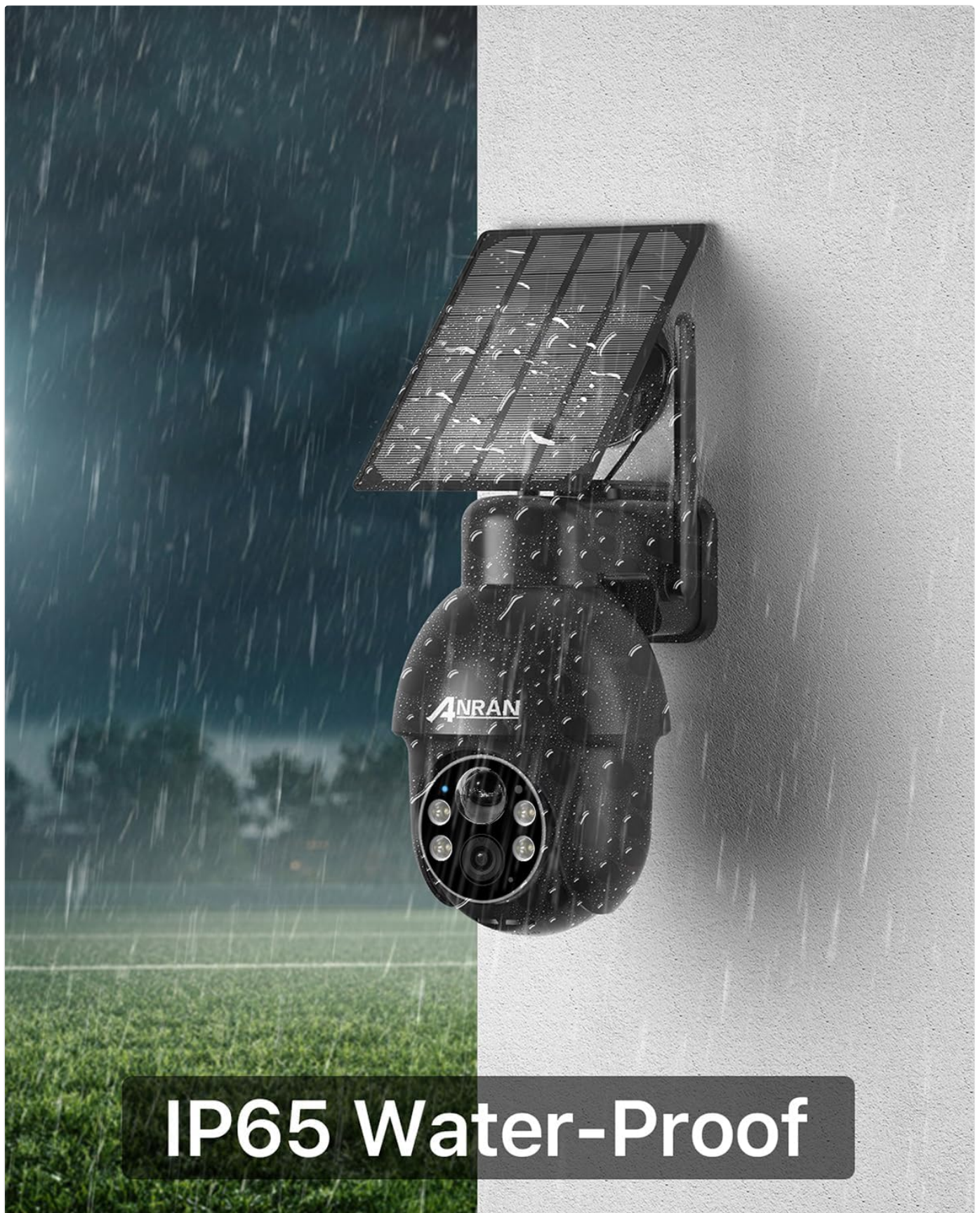


Figure 4.1: Location of the Micro SD card slot on the camera.

4.3 App Installation

Download and install the 'CloudEdge' app on your smartphone. The app is available on both the Google Play Store for Android devices and the Apple App Store for iOS devices. Search for 'CloudEdge' and follow the on-screen instructions to install.

Real-Time Two-Way Audio

Listen and talk back in real time via the built-in microphone and speaker



Figure 4.2: The ANRAN app interface, available on major app stores.

4.4 Camera Pairing

Follow these steps to pair your camera with the CloudEdge app:

1. Open the CloudEdge app and create an account or log in.
2. Tap the '+' icon to add a new device.
3. Select your camera model from the list.
4. Power on the camera. The camera will emit a prompt sound indicating it's ready for pairing.
5. Follow the in-app instructions to connect the camera to your **2.4GHz Wi-Fi network**. *Note: 5GHz Wi-Fi networks are not supported.*
6. Scan the QR code displayed on your phone screen with the camera lens. Ensure adequate lighting for scanning.
7. Once connected, the camera will confirm successful pairing, and you can name your device.

4.5 Mounting the Camera

Choose a suitable outdoor location for mounting, ensuring good Wi-Fi signal strength and direct sunlight exposure for the solar panel. The camera is IP65 weatherproof, suitable for various outdoor conditions.

1. Mark the drilling spots using the mounting bracket as a template.
2. Drill holes and insert wall anchors if necessary.
3. Secure the mounting bracket to the wall using the provided screws.
4. Attach the camera to the mounting bracket.
5. Connect the solar panel to the camera's charging port. Position the solar panel to receive maximum sunlight throughout the day.



Figure 4.3: Camera mounted, illustrating its pan and tilt range for 360° coverage.

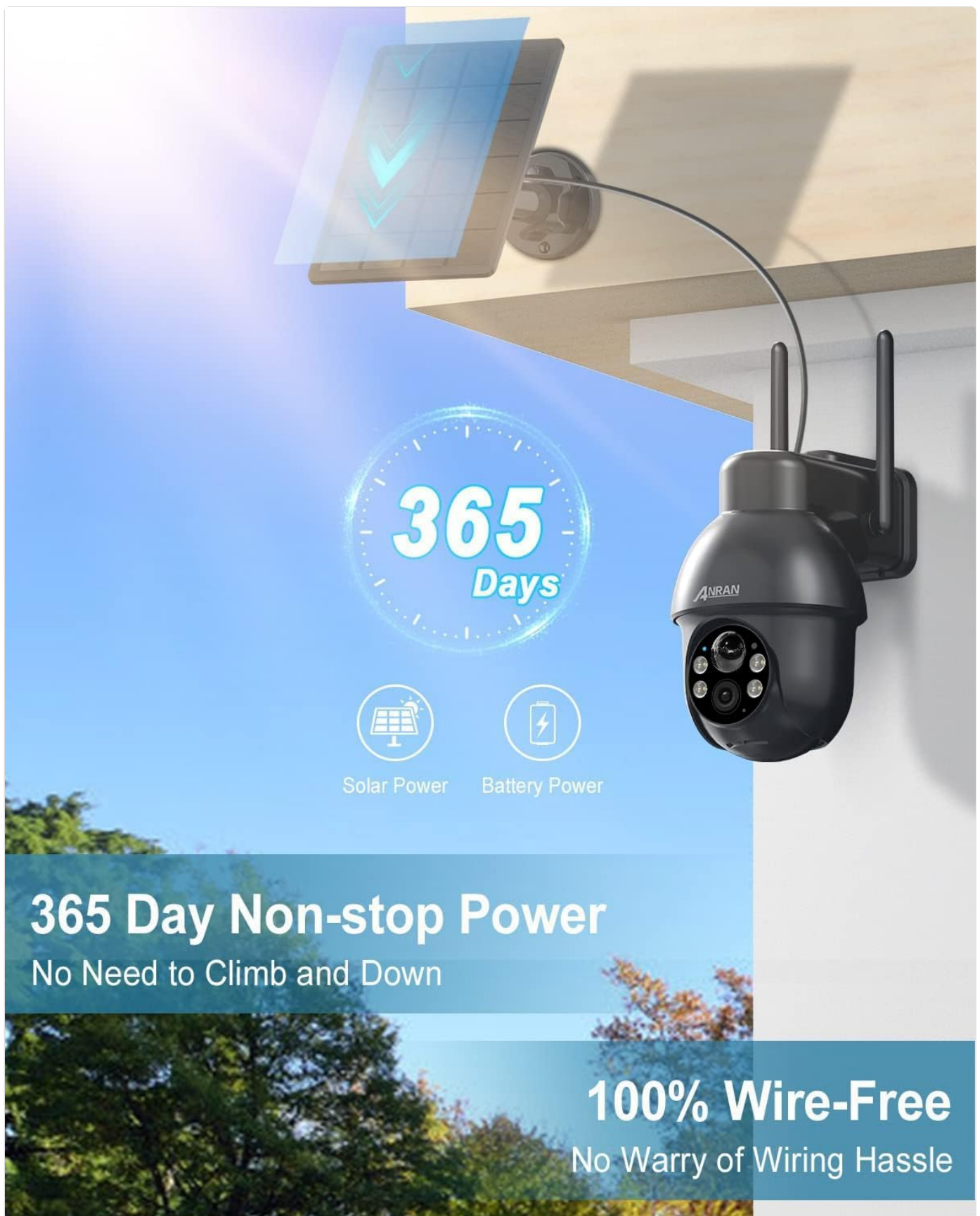


Figure 4.4: Solar panel connection ensuring continuous power to the camera.



UP TO
128GB

Micro SD Card

(Micro SD Card not Included)

7-Day

Free Trial Cloud Storage



No Hidden Cost

Figure 4.5: The camera's IP65 waterproof design ensures durability in various weather conditions.

5. OPERATING INSTRUCTIONS

5.1 Live View and PTZ Control

Access the live feed of your camera through the CloudEdge app. Use the on-screen controls to pan 355° horizontally and tilt 90° vertically, providing a full 360° view of your monitored area. You can also use the 4X digital zoom to view details.



Figure 5.1: Live view and PTZ control within the app.

5.2 Two-Way Audio

The built-in microphone and speaker allow for real-time two-way communication. Tap the microphone icon in the app to speak, and release to listen. This feature is useful for interacting with visitors or deterring unwanted individuals.



Figure 5.2: Two-way audio in action, enabling communication via the camera.

5.3 Night Vision Modes

The camera offers multiple night vision modes for clear visibility in low-light conditions:

- **Infrared Night Vision:** Provides clear black and white images in complete darkness (up to 50ft).
- **Color Night Vision:** Utilizes built-in spotlights to provide full-color video even at night.
- **Alarm Mode:** Automatically activates spotlights and/or siren upon motion detection at night.



Figure 5.3: Comparison of Infrared and Color Night Vision modes.

Three Night Vision Modes



Figure 5.4: Visual representation of the three night vision modes.

5.4 Motion Detection and Alerts

The camera features advanced PIR human detection to minimize false alarms. When motion is detected, you will receive real-time alerts on your smartphone. You can customize alarm options:

- **Siren:** Activates an audible siren to deter intruders.
- **Spotlights:** Turns on bright spotlights to illuminate the area.
- **App Notifications:** Sends instant alerts to your phone.

Smart Siren Alarm & Instant Alert

Deter Unexpeted Vistors Off Your Place



ANRAN

1m ago

Motion Alarm

New motion alarm for camera Q3(09:13)

8 more notifications

Figure 5.5: Example of a motion alarm notification.

Customizable Alarm Modes

Light and siren to drive away unwanted people

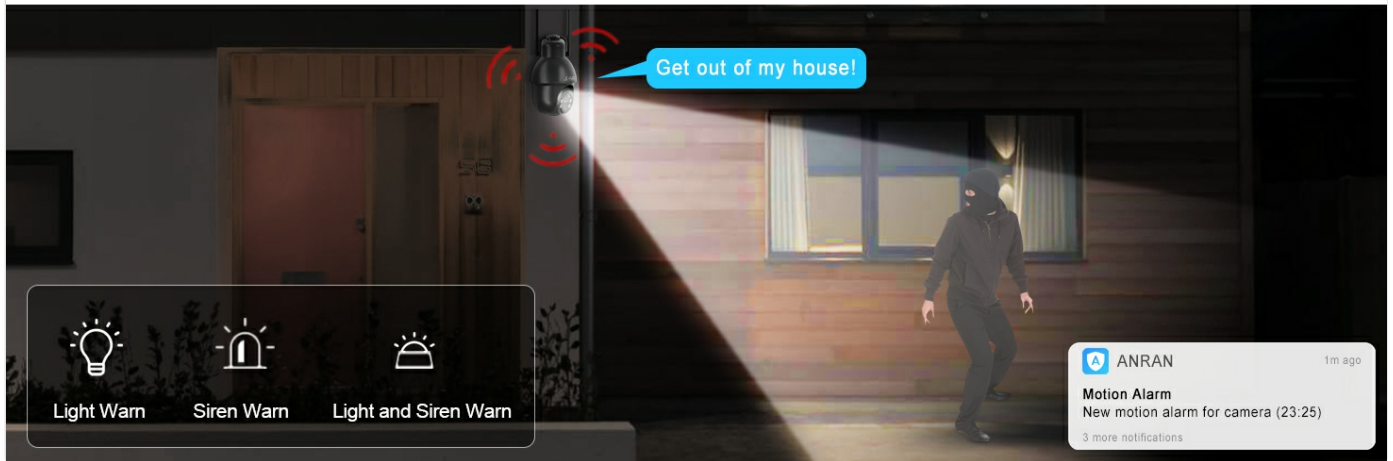


Figure 5.6: Customizable alarm modes for enhanced security.

5.5 Video Storage

Your ANRAN camera supports two storage options for recorded footage:

- **Local Storage:** Via a Micro SD card (up to 128GB, not included). Footage is stored directly on the card.
- **Cloud Storage:** Optional cloud storage service with encrypted data and privacy protection. A 7-day free trial is typically available.



Figure 5.7: Cloud Storage Plan comparison.

5.6 Multi-User Sharing

You can share access to your camera's live feed and recordings with family members or trusted individuals through the CloudEdge app. This allows multiple users to monitor the property simultaneously.

2K 3MP HD & 4X Digital Zoom

3MP CMOS sensor and 4X digital zoom allows you to see details in sharper images

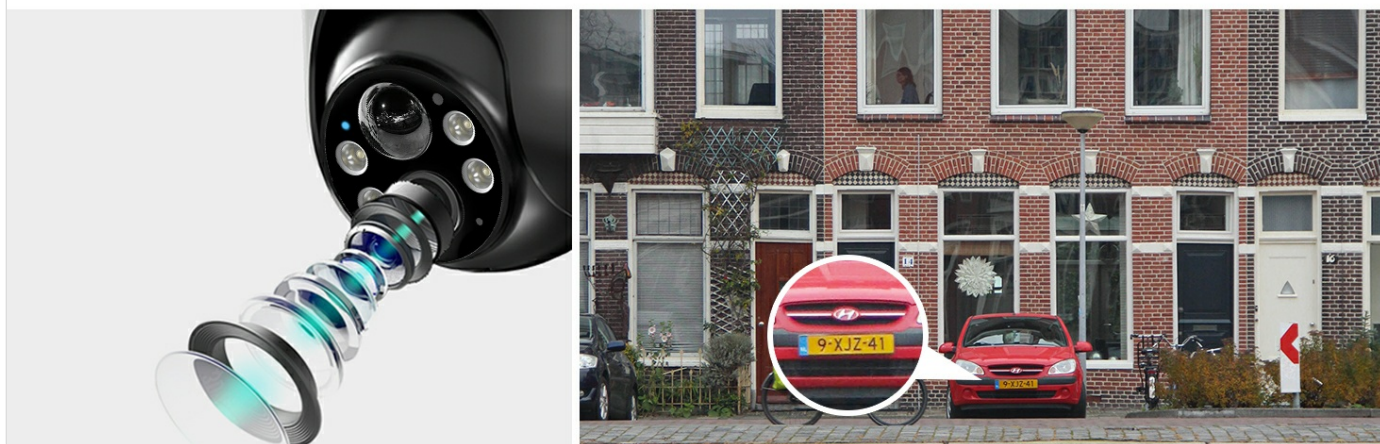


Figure 5.8: Sharing camera access with family members.

5.7 Alexa Integration

The ANRAN camera integrates seamlessly with Amazon Alexa. You can use voice commands to view the live feed on compatible Alexa devices (e.g., Echo Show) or activate certain features.

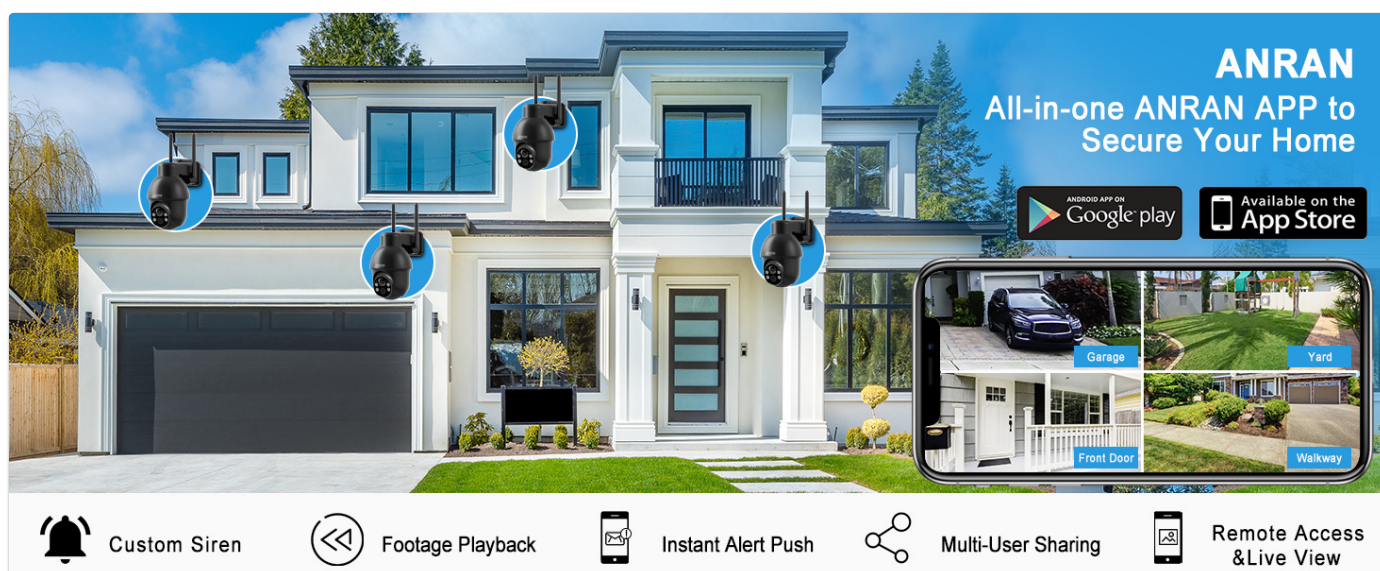


Figure 5.9: Camera integration with Amazon Alexa.

6. MAINTENANCE

6.1 Battery and Solar Panel Care

- Ensure the solar panel is clean and free of dust, dirt, or debris to maximize charging efficiency.
- Periodically check the solar panel's angle to ensure it receives optimal direct sunlight, especially during seasonal changes.
- In prolonged periods of low sunlight or extreme cold, the camera's battery may drain faster. If this occurs, you may need to temporarily charge the camera using the USB cable.

6.2 Cleaning

Wipe the camera lens and body with a soft, damp cloth. Avoid using harsh chemicals or abrasive materials that could damage the camera's finish or lens.

6.3 Firmware Updates

Regularly check the CloudEdge app for available firmware updates. Updates often include performance improvements, new features, and security enhancements. Follow the in-app instructions to perform updates.

7. TROUBLESHOOTING

If you encounter issues with your ANRAN camera, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Camera won't connect to Wi-Fi.	Incorrect Wi-Fi band (5GHz), weak signal, wrong password.	Ensure you are connecting to a 2.4GHz Wi-Fi network. Move the camera closer to the router. Double-check the Wi-Fi password. Reset the camera and try pairing again.
Battery drains quickly.	Insufficient sunlight for solar panel, frequent motion detection, extreme cold.	Ensure the solar panel is clean and positioned for maximum direct sunlight. Reduce motion detection sensitivity or frequency if not critical. Manually charge the camera via USB if needed.
Micro SD card not recognized/formatted.	Card not inserted correctly, incompatible card, card error.	Reinsert the Micro SD card. Try a different, reputable brand Micro SD card (Class 10 or higher). Format the card through the CloudEdge app settings.
No motion alerts received.	App notifications disabled, incorrect detection settings.	Check your phone's notification settings for the CloudEdge app. Verify motion detection and alert settings within the app are enabled and configured correctly.
Poor image quality at night.	Lens obstruction, incorrect night vision mode.	Clean the camera lens. Ensure the camera is set to the appropriate night vision mode (Infrared or Color). Check for any obstructions in front of the camera.

8. TECHNICAL SPECIFICATIONS

Specification	Detail
Model Name	SWUS-Q03-2025-New
Indoor/Outdoor Usage	Outdoor
Video Capture Resolution	2K, 3MP
Connectivity Protocol	Wi-Fi (2.4GHz only)
Power Source	Battery Powered (with Solar Panel)
PTZ Capabilities	355° Pan, 90° Tilt
Digital Zoom	4x
Night Vision Range	Up to 50 feet (Infrared)

Specification	Detail
Storage Options	Micro SD Card (up to 128GB), Cloud Storage
Two-Way Audio	Yes
Weather Resistance	IP65 Waterproof
Compatible Devices	Smartphone (CloudEdge App), Amazon Alexa
Dimensions	9 x 7 x 6 inches
Item Weight	2.05 pounds
Batteries	2 Lithium Ion batteries (included)

9. WARRANTY AND SUPPORT

ANRAN is committed to providing high-quality products and excellent customer service. For any product-related inquiries, technical assistance, or warranty claims, please contact ANRAN customer support.

Customer Support:

ANRAN offers 24/7 online support to assist you with any questions or issues you may encounter. Please refer to the contact information provided in your product packaging or visit the official ANRAN website for the most up-to-date support channels.



Figure 9.1: ANRAN's 24/7 online customer support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question