ANRAN Q03-2025NEW

ANRAN 2K Solar Security Camera User Manual

Model: Q03-2025NEW

Brand: ANRAN

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your ANRAN 2K Solar Security Camera (Model Q03-2025NEW). This wireless outdoor camera features 2K resolution, 360° PTZ (Pan/Tilt/Zoom) capabilities, solar power, color night vision, two-way audio, and advanced motion detection. Please read this manual thoroughly before using the product to ensure proper functionality and safety.

Image 1.1: ANRAN 2K Solar Security Cameras with integrated solar panels.

2. PACKAGE CONTENTS

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

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

Image 2.1: Visual representation of included components.

3. PRODUCT OVERVIEW

3.1 Key Features

- **2K Full HD Resolution:** Provides clear and sharp video footage.
- **360° PTZ View:** Offers 355° pan and 90° tilt for comprehensive area coverage.
- **Solar/Battery Power:** Integrated solar panel for continuous charging, with battery backup for uninterrupted

operation.

- **Color Night Vision:** Features full-color night vision, intelligent light, and auto infrared modes up to 50 feet.
- **Two-Way Audio:** Built-in microphone and speaker for real-time communication.
- **Advanced PIR Motion Detection:** Detects human movement and sends real-time alerts. Includes siren, spotlights, and app notifications.
- **Local/Cloud Storage:** Supports MicroSD card (up to 128GB, not included) and optional cloud storage.
- **Alexa Compatible:** Integrates with Amazon Alexa for voice control and live viewing.
- **IP65 Weatherproof:** Designed for outdoor use, resistant to dust and water.
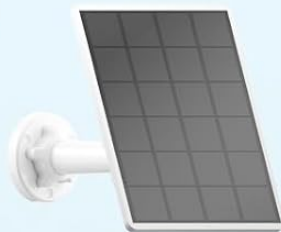

355°

90°

All-Around Surveillance

Image 3.1: Illustrates the camera's pan and tilt capabilities for 360° coverage.

Non-Stop Solar Powered

100% Wire-Free,
No Warry of Wiring Hassle

ANRAN
3W Solar Panel

VS

Others
1.5W Solar Panel

Image 3.2: The camera is powered by an included solar panel, ensuring continuous operation without wiring.
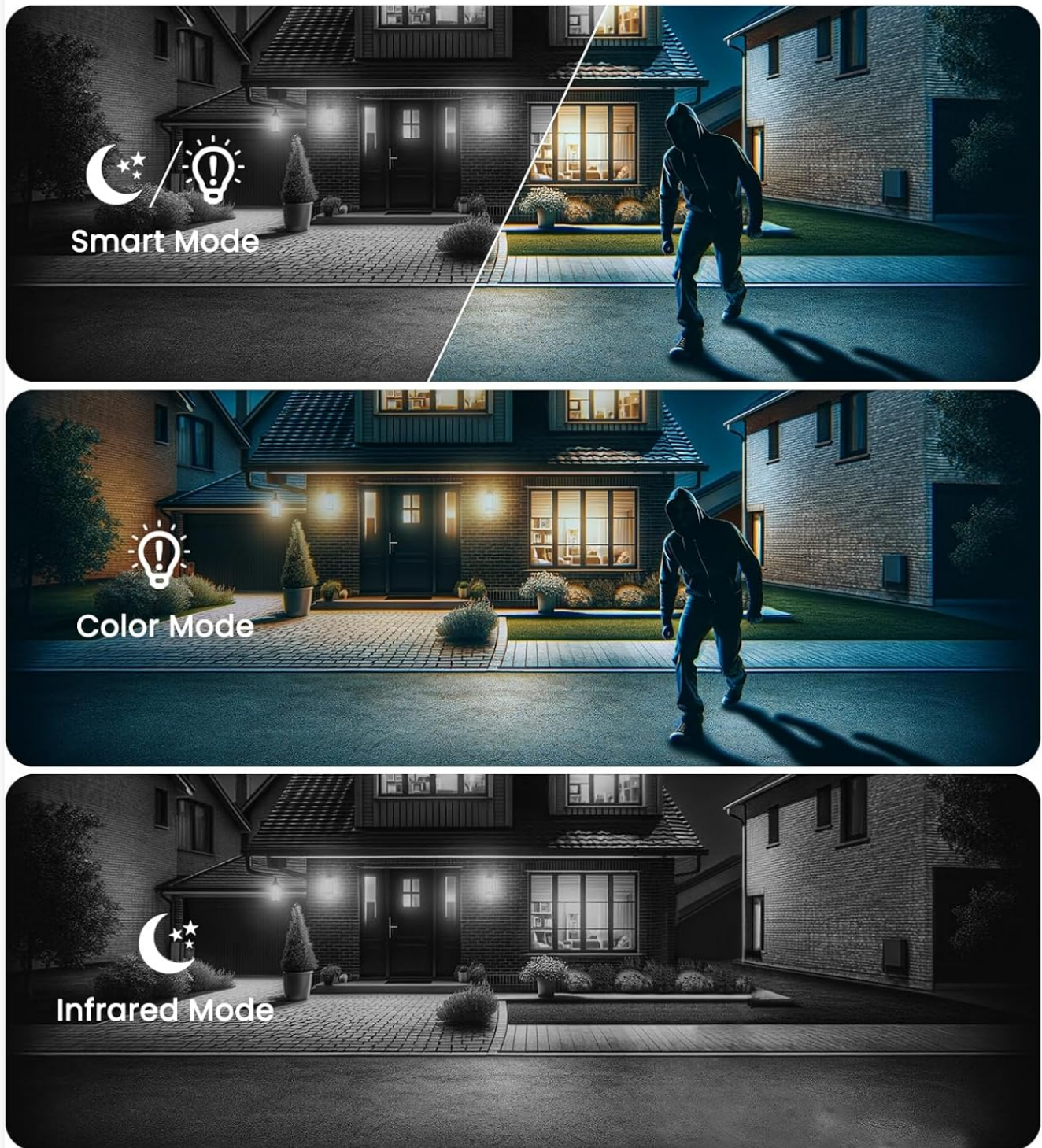
Three Night Vision Modes

Image 3.3: The camera offers Smart, Color, and Infrared night vision modes for varied low-light conditions.

4. SETUP

4.1 Initial Charging

Before first use, fully charge the camera using a standard (slow) charger. Fast chargers are not supported and may damage the battery. A small red LED next to the power socket indicates charging, turning blue when fully charged.

4.2 App Installation and Account Registration

1. Download the ANRAN app from your device's app store.

2. Register for a new account or log in if you already have one.

4.3 MicroSD Card Installation (Optional)

If using local storage, insert a MicroSD card (Class 10, 8-128GB, not included) into the designated slot. Refer to the camera's diagram for correct orientation.

4.4 Camera Pairing and Network Connection

1. Power on the camera by pressing the power button for a few seconds. A red light will illuminate.
2. Open the ANRAN app and select 'Add Device'.
3. Follow the in-app instructions to connect the camera to your 2.4GHz Wi-Fi network. 5GHz Wi-Fi is not supported.
4. Scan the QR code displayed on your phone with the camera.
5. Once connected, a blue light will appear on the camera.

Camera Setup Steps
Connect Camera via Device Catalog

1.Select Device   2.Wi-Fi Setup   3.Scan QR Code   4.Connect Network   5.Plug in Solar Panel

Image 4.1: Step-by-step guide for initial camera setup and connection.

4.5 Mounting the Camera and Solar Panel

1. Choose a mounting location that provides optimal Wi-Fi signal strength and direct sunlight exposure for the solar panel.
2. Use the provided screw pack to securely mount the camera. Ensure the mounting point is accessible for occasional maintenance.
3. Mount the solar panel in a location that receives maximum direct sunlight. The 3-meter cable allows flexibility in panel placement relative to the camera.

5. OPERATING INSTRUCTIONS

5.1 Live View and PTZ Control

Access the live feed through the ANRAN app. Use the on-screen controls to pan the camera 355° horizontally and tilt it 90° vertically. Digital zoom (4X) is available, but note that it is not optical zoom.

5.2 Two-Way Audio

Utilize the built-in microphone and speaker for two-way communication. Tap the microphone icon in the app to speak, and listen through the speaker.

Remote Access & 2-Way Audio
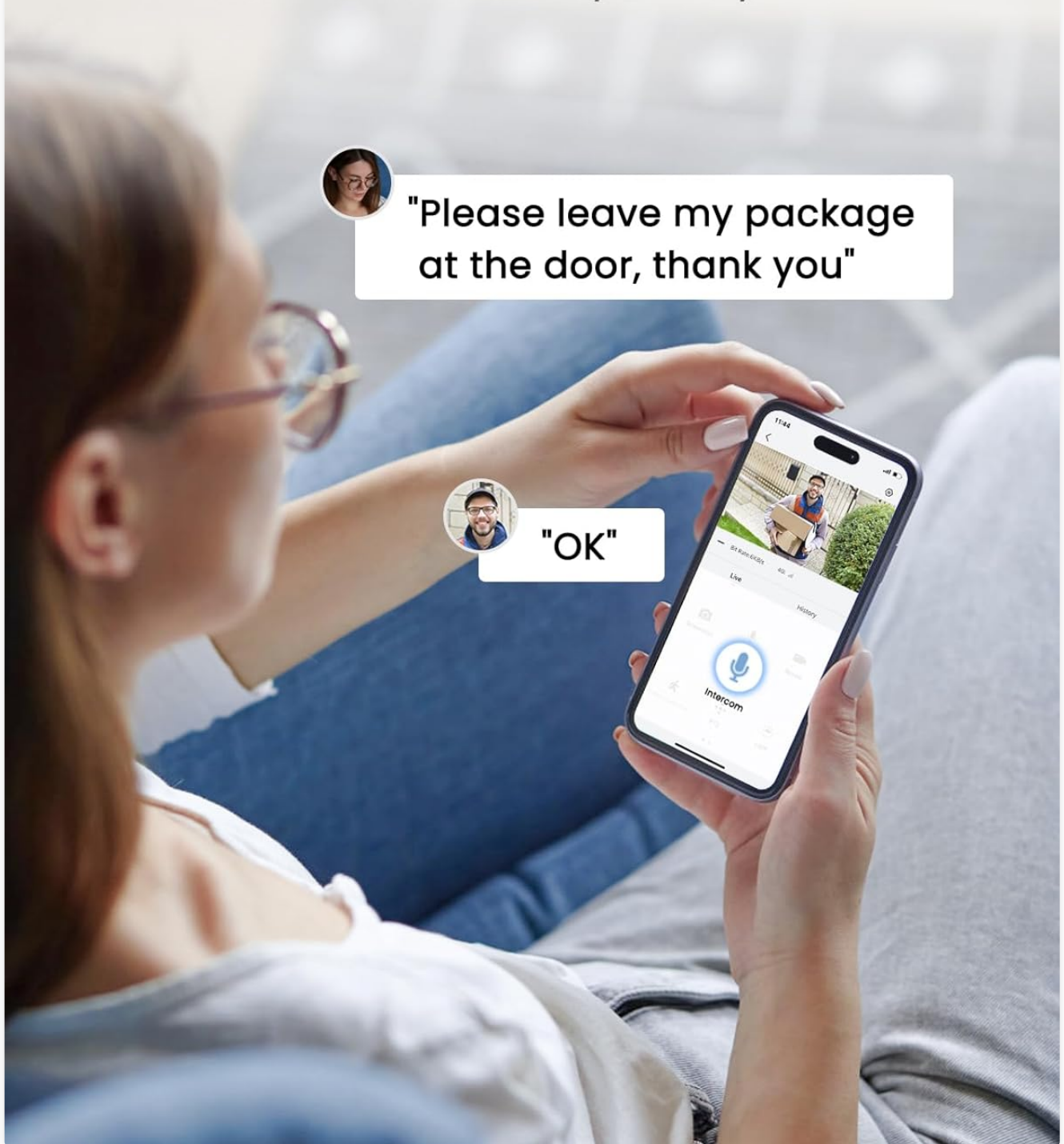
Listen and Talk Back Anytime Anywhere

Image 5.1: Demonstrates the two-way audio function for remote communication.

5.3 Motion Detection and Alerts

The camera features advanced PIR motion detection and AI human detection. When motion is detected, you will receive real-time alerts on your phone. The camera can also activate a siren and spotlights. Customize motion sensitivity and detection zones within the app to minimize false alarms.
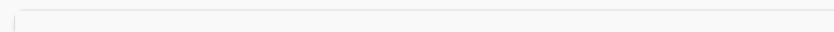
Image 5.2: The camera's AI human detection triggers alerts and spotlights upon detecting a person.

5.4 Night Vision Modes

The camera offers three night vision modes:

- **Smart Mode:** Automatically switches between infrared and color night vision based on detected motion.
- **Color Mode:** Uses built-in spotlights to provide full-color video in low-light conditions.
- **Infrared Mode:** Provides black and white video using infrared LEDs.

5.5 Storage Options

Recorded footage can be saved in two ways:

- **Local Storage:** Via a MicroSD card (up to 128GB, not included).
- **Cloud Storage:** Optional cloud service with encrypted data and privacy protection.
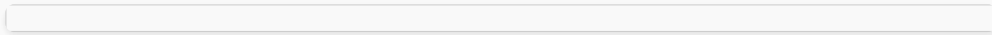
Image 5.3: The camera supports both local MicroSD card storage and cloud storage solutions.

5.6 Alexa Integration

Connect your ANRAN camera to Amazon Alexa for voice-controlled live monitoring. For example, say "Alexa, show me the garden" to view the camera feed on a compatible Alexa device.

6. MAINTENANCE

6.1 Battery Charging

The solar panel is designed to keep the camera battery charged under sufficient sunlight. In periods of prolonged low light or heavy usage, manual charging via the USB cable may be necessary. Ensure the camera is fully charged before initial use to optimize battery life.

6.2 Cleaning

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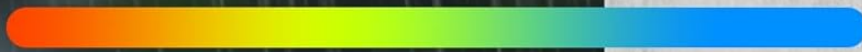
6.3 Weather Resistance

The camera is IP65 waterproof and dustproof, suitable for outdoor use in various weather conditions. Ensure all ports are securely sealed to maintain water resistance.

Image 6.1: The camera's IP65 rating ensures durability in outdoor environments.

7. TROUBLESHOOTING

- **Camera not turning on:** Ensure the camera is fully charged with a slow charger before first use.

- **Short battery life:** Verify the solar panel receives adequate direct sunlight. Reduce power-hungry options like frequent PTZ adjustments or continuous color night vision. Ensure initial full charge.

- **Wi-Fi connection issues:** Ensure your router operates on 2.4GHz Wi-Fi, as 5GHz is not supported. Check Wi-Fi signal strength at the camera's location using the app's site survey tool. Relocate the camera or use a

Wi-Fi extender if the signal is weak.

- **Pan/Tilt controls unresponsive or erratic:** This can be due to a weak Wi-Fi signal. Improve signal strength or reset the camera if the issue persists.
- **False motion alerts:** Adjust motion sensitivity settings and customize detection zones within the ANRAN app to focus on relevant areas and minimize triggers from pets or environmental factors.
- **No recording to MicroSD card:** Ensure the MicroSD card is correctly inserted, formatted within the app, and is a Class 10 card (8-128GB).
- **App loading slowly:** Ensure your mobile device has a stable internet connection.
- **Camera unresponsive after frequent alerts:** A camera reset may resolve this.

8. SPECIFICATIONS

Feature	Specification
Video Capture Resolution	2K (3MP Effective Still Resolution)
Viewing Angle	360 Degrees (355° Pan, 90° Tilt)
Power Source	Solar Powered (5V, 5W)
Battery Capacity	5000 mAh (1 AA battery included)
Connectivity Protocol	Wi-Fi (2.4GHz only)
Night Vision Range	50 Feet (Infrared)
Storage	Micro SD (up to 128GB), Cloud Storage
Weather Resistance	IP65 Waterproof
Compatible Devices	Amazon Alexa
Operating Temperature	-40°C to 60°C (-40°F to 140°F)
Dimensions (L x W x H)	9 x 7 x 6 inches
Item Weight	2.05 pounds

9. WARRANTY AND SUPPORT

ANRAN is committed to providing high-quality products and customer service. For any product quality issues or support inquiries, please contact ANRAN customer service. We offer multi-channel service including email, phone, and live chat, available 24/7.

Image 9.1: ANRAN provides comprehensive after-sales support through multiple channels.

Related Documents - Q03-2025NEW

	ANRAN 2K Wireless Outdoor Security Camera User Guide Comprehensive user guide for the ANRAN 2K Wireless Outdoor Security Camera. Learn about installation, features like AI motion detection, color night vision, two-way audio, spotlight, siren, and Alexa integration. Includes troubleshooting and specifications.
	ANRAN Solar Security Camera Outdoor User Manual This manual provides instructions for setting up and using the ANRAN Solar Security Camera Outdoor, a 5MP wireless camera with 2.4G WiFi, 360° view, pan/tilt, Alexa compatibility, night vision, PIR human detection, two-way talk, and IP65 rating.
	ANRAN 3MP Solar Security Camera: Quick Start Guide Get started with your ANRAN 3MP Solar Security Camera. This guide covers setup, features like 2K color night vision, Wi-Fi, solar power, spotlight, PIR detection, and two-way audio for home security.
	ANRAN Solar Security Cameras: User Guide and Specifications Comprehensive guide for ANRAN Solar Security Cameras, covering setup, features, and specifications for wireless outdoor surveillance.
	ANRAN Q3 Pro Solar Security Camera User Guide Comprehensive user guide for the ANRAN Q3 Pro 2K solar-powered wireless outdoor security camera, covering installation, app setup, features, and troubleshooting.
	ANRAN C3 Pro Battery Camera Setup Guide - Wireless Outdoor Security Comprehensive setup guide for the ANRAN C3 Pro Battery Camera. Learn how to connect your wireless outdoor security camera via the ANRAN app, including Wi-Fi setup and device pairing for home security.