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› ANRAN Q01 2K Solar Security Camera System User Manual

ANRAN Q01

ANRAN Q01 2K Solar Security Camera System User Manual

Model: Q01

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your ANRAN Q01 2K Solar Security Camera System. This system includes a 2K wireless outdoor security camera and a 3W solar panel designed to provide continuous power. Please read this manual carefully before use to ensure proper setup and optimal performance.

2. PRODUCT COMPONENTS

The ANRAN Q01 2K Solar Security Camera System package typically includes the following components:

- ANRAN Q01 2K Wireless Outdoor Security Camera
- 3W Solar Panel with 3M Micro USB & Type-C Port Cable
- Mounting Bracket for Solar Panel
- Mounting Screws and Wall Plugs
- User Manual (this document)



Figure 2.1: Overview of the ANRAN Q01 2K Solar Security Camera and accompanying 3W Solar Panel. The camera is designed for outdoor use and connects wirelessly, while the solar panel provides continuous power via a 3-meter cable.

3. SETUP AND INSTALLATION

Follow these steps to set up and install your ANRAN Q01 security camera system.

3.1 Initial Camera Setup

1. **Charge the Camera:** Before installation, fully charge the camera's internal battery using a standard USB charger.
2. **Download the App:** Download the official ANRAN security camera application from your smartphone's app store (iOS or Android).
3. **Account Registration:** Open the app and register for a new account or log in if you already have one.
4. **Add Device:** Follow the in-app instructions to add your ANRAN Q01 camera. Ensure your Wi-Fi network is 2.4GHz, as the camera only supports 2.4GHz Wi-Fi.

Q01 2K PTZ Solar Camera



Figure 3.1: Key features of the ANRAN Q01 camera, including 2K resolution, 2-way audio, motion alerts, TF card/cloud storage options, color night vision, IP65 weather resistance, compatibility with Alexa/Google Home, and PIR/AI person detection. Note that the camera supports 2.4GHz Wi-Fi only.

3.2 Mounting the Camera and Solar Panel

The system is designed for easy installation, typically taking less than 5 minutes.

1. **Choose a Location:** Select an outdoor location for the camera that provides the desired viewing angle and a

location for the solar panel that receives ample direct sunlight throughout the day. Ensure the 3-meter cable can reach from the solar panel to the camera.

2. **Mount the Solar Panel:** Attach the solar panel's bracket to the wall using the provided screws and wall plugs. Position the solar panel to maximize sun exposure. The bracket allows for 360° rotation and 90° tilt for optimal angle adjustment.
3. **Mount the Camera:** Securely mount the camera in your chosen location.
4. **Connect Solar Panel:** Connect the 3M Micro USB or Type-C cable from the solar panel to the charging port on the camera. This will provide continuous power to the camera.

Easy to Install

Fast installation within 5 minutes



Figure 3.2: Illustration of the easy installation process for the solar panel, showing a person securing the bracket to a wall with a screwdriver. The entire installation is designed to be completed quickly.

Come with 3M Cable



Figure 3.3: An example of the ANRAN camera and solar panel installed on a house, demonstrating the reach of the 3-meter cable. The solar panel is positioned to capture sunlight, providing power to the camera.

Adjustable Bracket

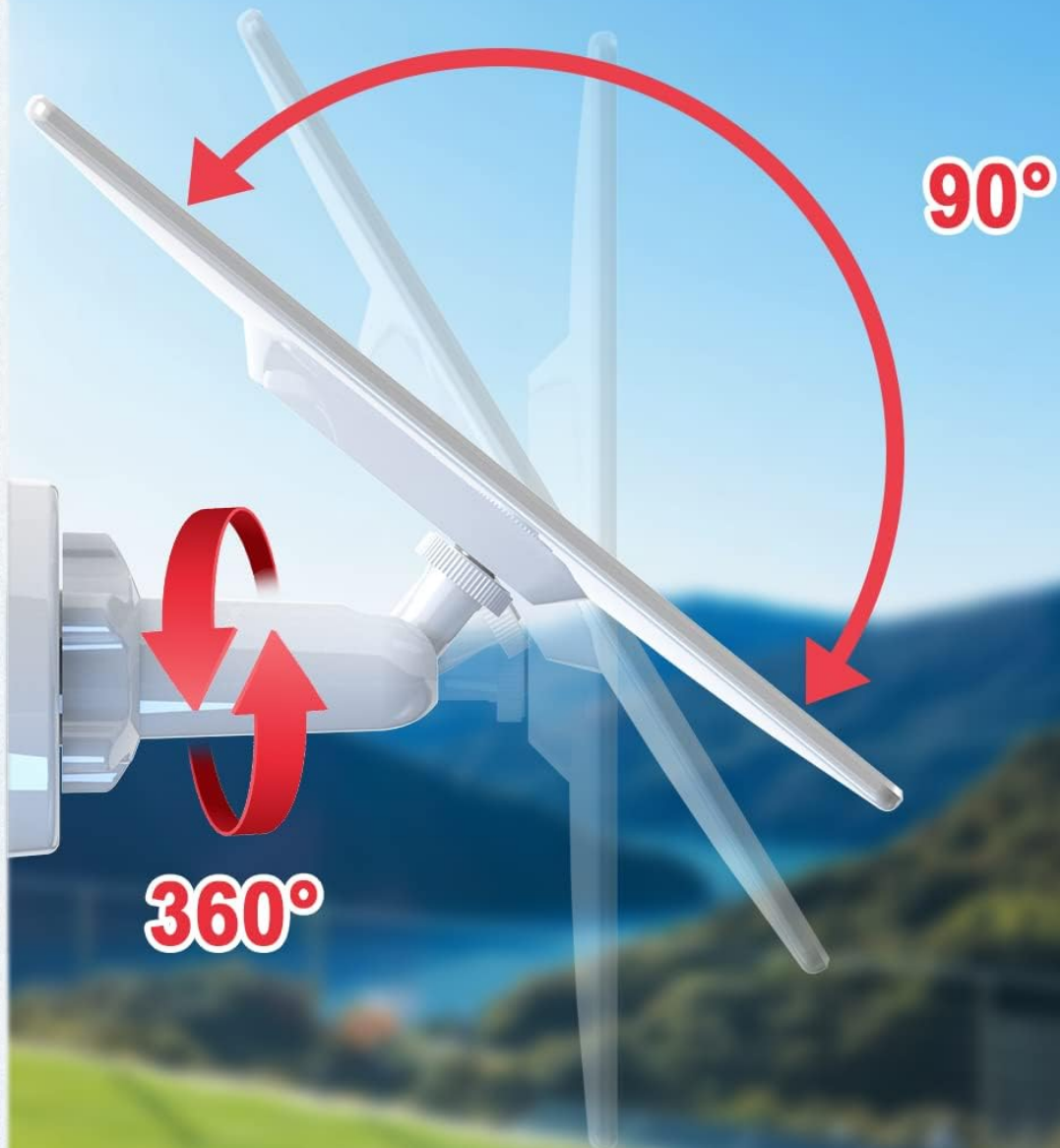


Figure 3.4: The adjustable bracket for the solar panel, illustrating its 360° rotation and 90° tilt capabilities. This flexibility allows for optimal positioning to maximize sunlight exposure.

4. OPERATION

Once installed, operate your ANRAN Q01 camera using the dedicated mobile application.

4.1 Live View and Playback

- Open the ANRAN app to view live footage from your camera.
- Access recorded events and playback history from the app's interface.

4.2 Pan and Tilt Control

The ANRAN Q01 camera features Pan-Tilt-Zoom (PTZ) capabilities, allowing you to remotely adjust its viewing angle.

- Use the controls within the app to pan the camera horizontally up to 355° and tilt it vertically up to 90°.



Figure 4.1: The ANRAN Q01 camera's pan and tilt capabilities, showing a 355° horizontal pan range and a 90° vertical tilt range. This allows for comprehensive coverage of your property.

4.3 Two-Way Audio

The built-in speaker and microphone enable real-time two-way communication.

- From the live view in the app, tap the microphone icon to speak through the camera.
- Listen to audio from the camera's surroundings.

2-Way Audio Real Time Interaction



Figure 4.2: An example of the 2-way audio feature in use, showing a delivery person at a door and a speech bubble indicating communication from the camera. This allows for real-time interaction with visitors.

4.4 Motion Detection and Alerts

The camera utilizes a sensitive PIR motion sensor and intelligent human detection to minimize false alarms.

- When motion is detected, the camera can automatically activate floodlights and a siren.
- You will receive instant notifications on your smartphone.

- Adjust sensitivity levels and set alarm plans within the app.

4.5 Night Vision

The camera supports color night vision for clear surveillance even in low-light conditions.

4.6 Storage Options

Recorded footage can be stored in two ways:

- **TF Card (MicroSD):** Insert a compatible TF card into the camera for local storage.
- **Cloud Storage:** Utilize cloud storage services (subscription may be required) for remote access to recordings.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your security system.

- **Clean the Lens:** Periodically wipe the camera lens with a soft, damp cloth to remove dust and smudges.
- **Clean Solar Panel:** Ensure the solar panel surface is clean and free of debris (leaves, dirt, snow) to maximize charging efficiency.
- **Check Connections:** Verify that the cable connecting the solar panel to the camera is securely attached and free from damage.
- **Firmware Updates:** Check the ANRAN app regularly for firmware updates for your camera. Updates often include performance improvements and new features.



Figure 5.1: The ANRAN Q01 camera demonstrating its IP65 weather resistance, capable of operating in temperatures ranging from -25°C (-13°F) to 60°C (140°F) and withstanding rain. Regular cleaning helps maintain this performance.

6. TROUBLESHOOTING

If you encounter issues with your ANRAN Q01 system, refer to the following common problems and solutions.

Problem	Possible Cause / Solution
Camera not connecting to Wi-Fi	Ensure your Wi-Fi is 2.4GHz. The camera does not support 5GHz Wi-Fi. Check Wi-Fi signal strength at the camera's location. Restart your Wi-Fi router and the camera. Verify correct Wi-Fi password entry in the app.
Camera battery drains quickly	Ensure the solar panel is receiving sufficient direct sunlight. Clean the solar panel surface. Reduce motion detection sensitivity or frequency of recordings if not critical. Check the connection between the solar panel and the camera.
No motion detection alerts	Check motion detection settings in the app (enabled, sensitivity). Ensure app notifications are enabled on your smartphone. Verify the camera has a stable internet connection.
Poor image quality	Clean the camera lens. Ensure sufficient lighting for optimal image capture. Check internet connection speed if streaming is choppy.

7. SPECIFICATIONS

Technical specifications for the ANRAN Q01 2K Solar Security Camera System.

- **Model:** Q01
- **Resolution:** 2K
- **Connectivity:** 2.4GHz Wi-Fi Only
- **Pan/Tilt Range:** 355° Pan, 90° Tilt
- **Audio:** Two-Way Audio (Built-in Speaker & Microphone)
- **Motion Detection:** PIR Sensor, Intelligent Human Detection
- **Night Vision:** Color Night Vision
- **Weather Resistance:** IP65 (Operating Temperature: -25°C to 60°C / -13°F to 140°F)
- **Power Source:** Rechargeable Battery (charged by 3W Solar Panel or Micro USB/Type-C cable)
- **Solar Panel Cable Length:** 3 Meters
- **Storage:** TF Card (MicroSD) / Cloud Storage
- **Compatibility:** ANRAN Battery Cameras, Alexa, Google Home
- **ASIN:** B0DQV71RFH
- **Date First Available:** December 18, 2024

8. WARRANTY AND SUPPORT

ANRAN is committed to providing high-quality products and customer service.

- **Warranty:** Please refer to your purchase documentation for specific warranty details.
- **Returns:** A 90-day return policy is typically offered.
- **Technical Support:** Lifetime technical support is available, including local phone service. For assistance, please visit the official ANRAN website or contact their customer service directly.
- **Online Resources:** For additional support, FAQs, and product updates, visit the [ANRAN Store on Amazon](#).

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

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