ANRAN Q7M2

ANRAN Dual-Lens Solar Security Camera Q7M2 User Manual

Model: Q7M2 | Brand: ANRAN

1. PRODUCT OVERVIEW

The ANRAN Dual-Lens Solar Security Camera (Model Q7M2) is a 100% wire-free outdoor surveillance solution designed for home security. It features an innovative dual-lens system, solar power for continuous operation, and advanced detection capabilities.

Image 1.1: ANRAN Dual-Lens Solar Security Camera with integrated solar panel and mobile application view.

2. KEY FEATURES

- **Dual-Lens System:** Features a wide-angle fixed lens for constant area monitoring and a remote-controlled PTZ (Pan-Tilt-Zoom) lens for detailed views.
- **3MP Resolution:** Provides clear and detailed footage.
- **Solar Powered & 100% Wire-Free:** Equipped with a high-efficiency solar panel for continuous charging, eliminating the need for external power cables.
- **Live View & Two-Way Talk:** Monitor real-time footage and communicate via the built-in microphone and speaker using the ANRAN app.
- **Color Night Vision:** Built-in spotlight activates for full-color night vision, offering more detail than standard black-and-white.

- **Smart Human Detection:** AI filters alerts by distinguishing people, pets, and vehicles (optional subscription required for AI function).
- **IP66 Weatherproof:** Designed to withstand harsh outdoor elements.
- **Flexible Storage:** Supports local storage via microSD card (up to 128GB, not included) or optional cloud storage.
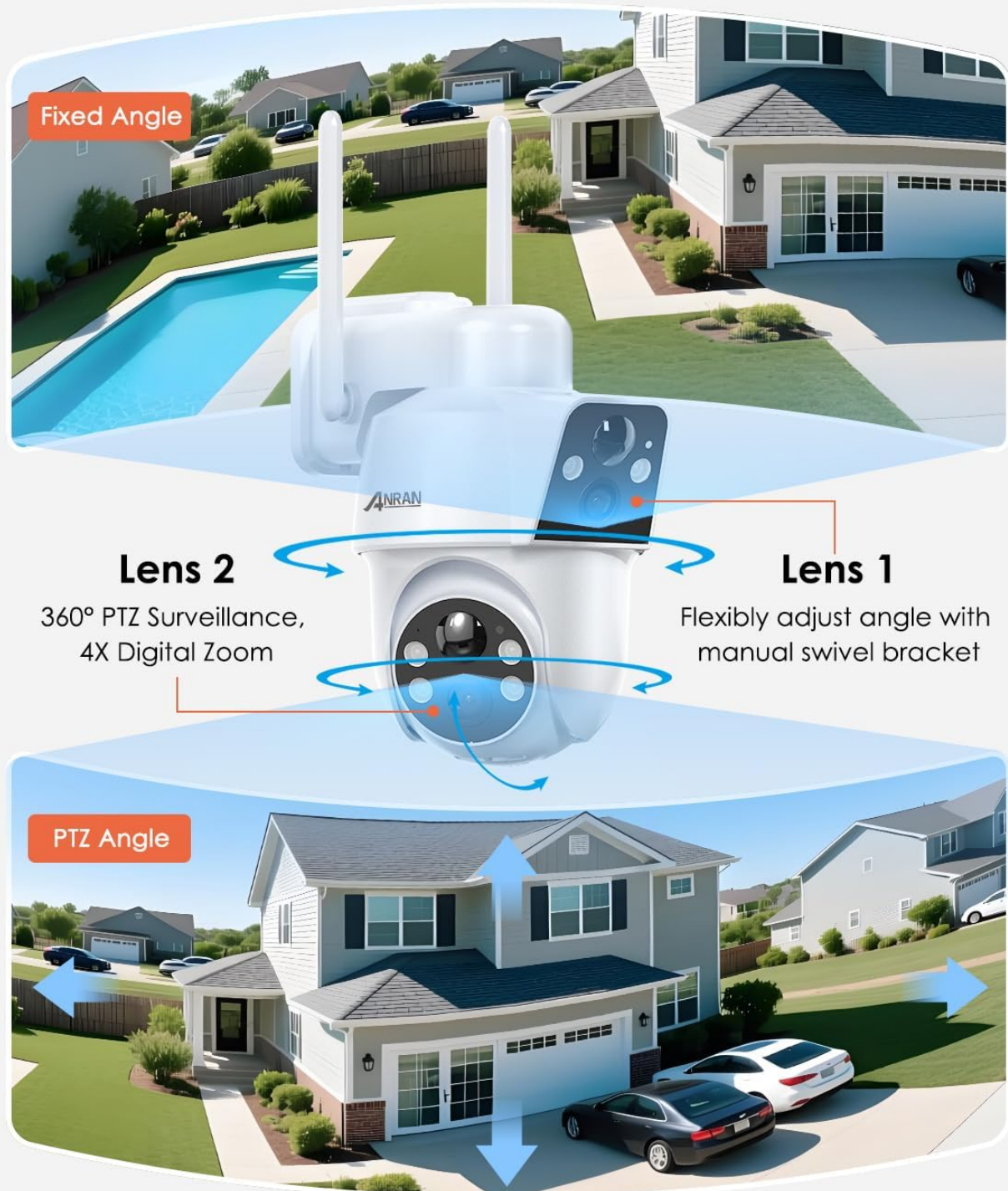
Dual Lens for Better Viewing

Fixed Angle

Lens 2
360° PTZ Surveillance, 4X Digital Zoom

Lens 1
Flexibly adjust angle with manual swivel bracket

PTZ Angle

Image 2.1: Illustration of the camera's dual-lens system, showing a fixed wide-angle view and a pan-tilt-zoom lens for flexible monitoring.

No Hidden Costs

ANRAN Solar Cam is a one-time purchase with no hidden costs.
With a microSD card (not included), store up to 128 GB of footage locally.
Note: Only Cloud Service and AI Detection need a subscription(Optional).

Image 2.2: Detailed view of the dual-lens functionality, highlighting the fixed wide-angle lens for key areas and the rotating PTZ lens for dynamic coverage.

3. WHAT'S IN THE BOX

- 1x Dual Lens Camera
- 1x Mounting Bracket
- 1x Screw Pack
- 1x Solar Panel
- 1x Type C Cable

Image 3.1: All components included in the product package.

4. Setup Guide

4.1 Initial Charging

Before first use, fully charge the camera's internal battery using the provided Type C cable. Locate the USB-C charging port under the rubber cover on the camera's underside. A red indicator light will show charging in progress, which will change once fully charged.

4.2 MicroSD Card Installation (Optional)

For local video storage, insert a microSD card (up to 128GB, not included) into the TF card slot located next to the USB-C port. Ensure the rubber cover is securely closed after installation to maintain weather resistance.

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Video 4.1: Demonstrates how to charge the ANRAN solar security camera via USB-C and install a microSD card.

4.3 Mounting Instructions

The camera comes with a versatile mounting bracket. Use the provided screw pack and, if necessary, the positioning sticker to drill holes. Secure the bracket to the wall or ceiling. The camera can then be attached to the bracket, allowing for flexible angle adjustments. Ensure the solar panel is positioned to receive maximum sunlight for optimal charging.

Image 4.2: Step-by-step guide for installing the camera's mounting bracket.

Video 4.2: Demonstrates an easy security camera mounting option.

4.4 App Installation and Pairing

Download the ANRAN app from your smartphone's app store. Follow the in-app instructions to pair your camera with your 2.4GHz WiFi network. This will enable live viewing, remote control, and access to all smart features.

Video 4.3: Shows how the ANRAN app works to monitor the camera and change settings.

5. OPERATING INSTRUCTIONS

5.1 Live View & Two-Way Talk

Access the ANRAN app to view live footage from both lenses. Use the directional controls to pan and tilt the PTZ lens. The two-way audio feature allows you to speak through the camera's speaker and hear audio from its microphone.
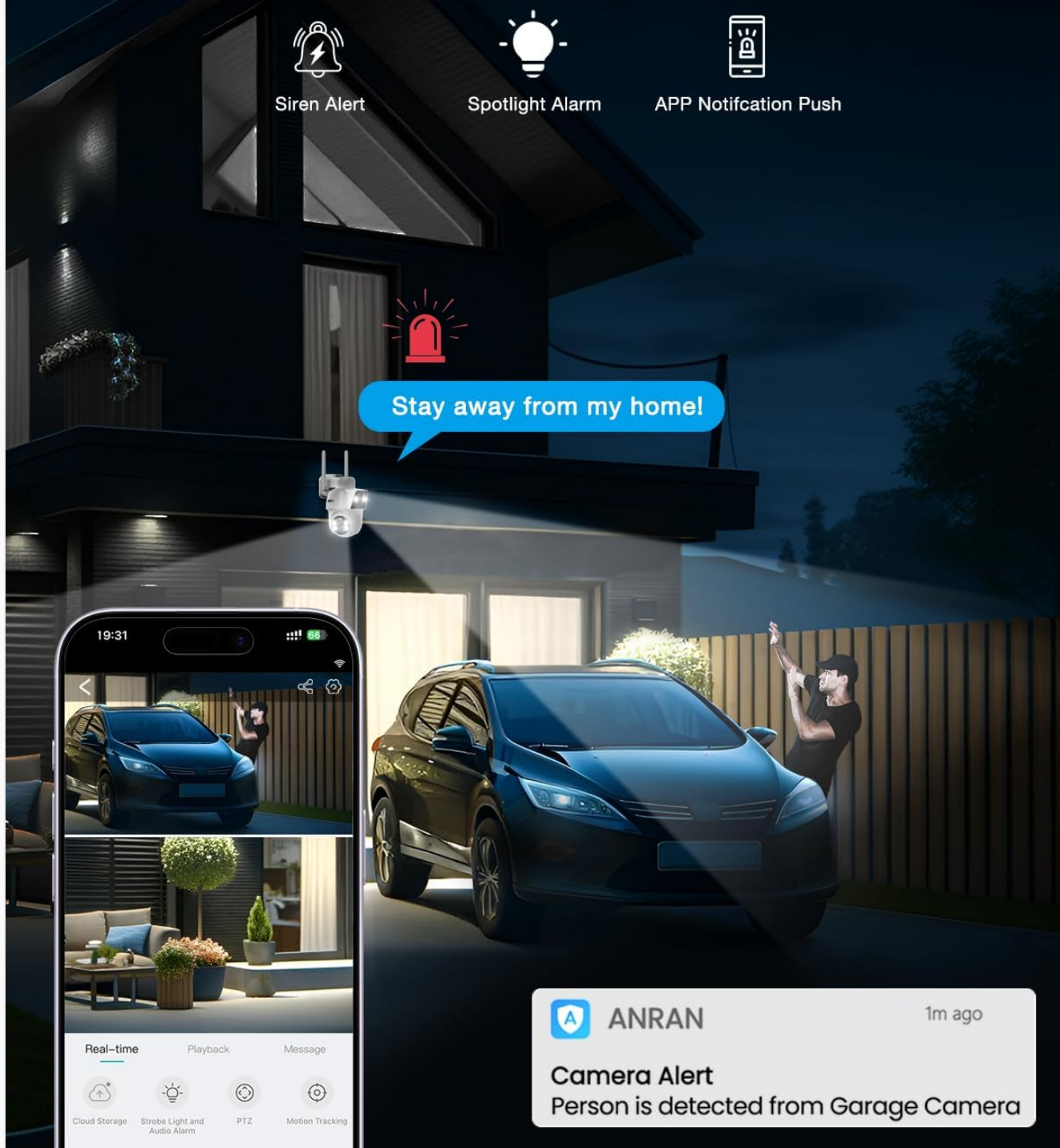
Image 5.1: Demonstrates motion detection alerts and two-way talk functionality via the mobile app.

5.2 Motion Detection & Alerts

The camera features smart human detection to minimize false alarms. When motion is detected, you will receive instant notifications on your smartphone. The camera can also activate a siren and spotlights for active deterrence.

Image 5.2: Visual representation of smart PIR motion sensing and instant alerts.

5.3 Night Vision

The camera offers both full-color night vision (activated by built-in spotlights) and infrared black-and-white night vision. You can configure your preferred night vision mode through the app.

Color Night Vision

View crystal clear images day and night

Color night vision

Infrared night vision

Image 5.3: Demonstrates the clarity of color night vision compared to infrared night vision.

IP66 Waterproof
All-weather Durability

Keeping you safe in all weather

❄ -4°F   ☀ 122°F

Image 5.4: Illustrates the difference between color night vision and infrared night vision modes.

5.4 Storage Options

Recorded videos can be stored locally on a microSD card (up to 128GB) or uploaded to the cloud with an optional subscription. Local storage does not incur additional costs.

One Trigger, Two Views

When the PIR sensor is triggered, both cameras work together to instantly record and capture the action from two angles.

(Note: The camera can only be rotated through the app and cannot rotate automatically.)
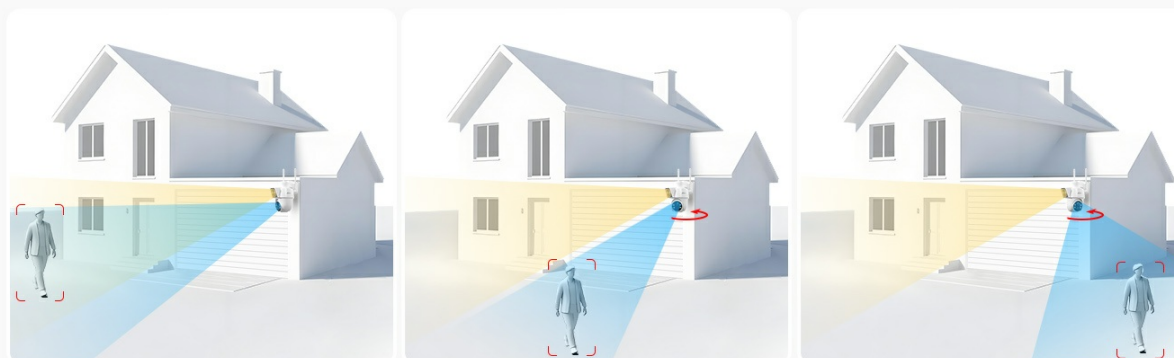
Image 5.5: Visual representation of local microSD card storage and optional cloud storage.

6. MAINTENANCE

6.1 Solar Panel Placement

For optimal performance, ensure the solar panel is installed in a location that receives direct sunlight for several hours each day. This will keep the internal battery charged and ensure continuous operation.

Image 6.1: Illustration of the solar panel providing power to the camera.
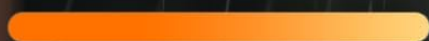
6.2 Weather Resistance

The camera has an IP66 waterproof rating, making it suitable for outdoor use in various weather conditions, including rain, sun, and extreme temperatures.
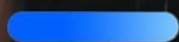
Image 6.2: The camera's IP66 weatherproof design ensures durability in all weather conditions.

7. TROUBLESHOOTING

- **No Power/Charging:** Ensure the solar panel is clean and receives adequate direct sunlight. Verify the USB-C cable is properly connected for initial charging.

- **WiFi Connection Issues:** Ensure the camera is within range of a 2.4GHz WiFi network. Reset the camera using the reset button (located under the rubber cover) and attempt pairing again.

- **False Motion Alerts:** Adjust the sensitivity settings for motion detection within the ANRAN app. Consider enabling the AI human detection feature (if subscribed) to filter out non-human movements.

- **Poor Night Vision:** Check if the built-in spotlights are obstructed. Ensure the camera lens is clean. Adjust night vision settings in the app.
- **MicroSD Card Not Recording:** Ensure the microSD card is correctly inserted and formatted within the app. Check if the card is full.

8. SPECIFICATIONS

Feature	Detail
Model Name	Q7M2
Effective Still Resolution	3 MP
Video Capture Resolution	4K (Output)
Special Feature	Dual Lens
Power Source	Solar Powered
Connectivity Technology	Wireless (2.4GHz WiFi)
International Protection Rating	IP66
Viewing Angle	360 Degrees (PTZ)
Night Vision Range	55 Feet
Flash Memory Supported Size Maximum	128 GB (Micro SD)
Item Weight	2.05 pounds
Product Dimensions	1 x 1 x 1 inches

9. WARRANTY AND SUPPORT

Thank you for choosing ANRAN! We are committed to providing excellent customer service and support.

- **Warranty:** Your product includes an extended one-year warranty. Please register your product within 10 days of purchase to ensure your warranty is fully activated.
- **Technical Support:** We offer lifetime technical support for your ANRAN device.
- **Customer Service:** 24/7 online customer service is available to assist you with any questions or concerns.

Contact Information:

- **Website:** www.anran-cctv.com
- **Email:** support@anran-cctv.com
- **Social Media:** @AnranTechnology

Image 9.1: ANRAN customer support details for assistance.

Related Documents - Q7M2

	[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 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 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 Solar Security Camera User Manual](#) User manual for the ANRAN C3 Pro 2K 3MP Solar Security Camera, providing instructions for installation, setup, and operation of this wireless outdoor surveillance camera.
	[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 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.