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› ANRAN Wireless Security Camera System User Manual

ANRAN ANRAN 8 Channel 2K NVR 4Pcs 3MP Home WiFi Security Camera System

ANRAN Wireless Security Camera System User Manual

Model: ANRAN 8 Channel 2K NVR 4Pcs 3MP Home WiFi Security Camera System

Brand: ANRAN

1. INTRODUCTION

This user manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of your ANRAN Wireless Security Camera System. Please read this manual thoroughly before using the product to ensure proper functionality and safety. Keep this manual for future reference.



Figure 1.1: ANRAN Wireless Security Camera System Overview

The ANRAN Wireless Security Camera System is designed to provide reliable and high-quality surveillance for your home or business. It features 2K NVR with 4Pcs 3MP Home WiFi Security Cameras, a 1TB Hard Drive for extensive recording, advanced night vision capabilities, IP66 waterproof rating for outdoor use, motion alert functions, and convenient remote access via a mobile application.

2. What's in the Box

Upon unboxing your ANRAN Wireless Security Camera System, verify that all components listed below are present and in good condition.

Packing List



8CH Security NVR x1



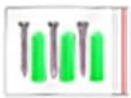
3MP Security Camera x4



Power Supply for NVR x1



Power Supply for Camera x4



Screw Bag x4



USB Mouse x1



3ft Network Cable x1



Manual x1

Figure 2.1: Packing List Overview

This image displays the complete set of items included in your ANRAN Wireless Security Camera System package, ensuring you have everything needed for installation.

- 1x 8-Channel Network Video Recorder (NVR) with 1TB Hard Drive (pre-installed)
- 4x 3MP Wireless IP Cameras
- 1x DC 12V/2A Power Adapter for NVR
- 4x DC 12V/1A Power Adapters for IP Cameras
- 1x USB Mouse
- 1x 3ft Ethernet Cable

- 4x Mounting Screw Bags
- 1x User Manual
- 1x Warning Sticker

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Video 2.2: Unboxing and Components Overview

This video provides a visual guide to the contents of the ANRAN 8-Channel Wireless Security Camera System, demonstrating each component included in the package.

3. SETUP GUIDE

The ANRAN Wireless Security Camera System is designed for easy plug-and-play setup. Follow these steps to get your system operational.

3.1 Initial Connection

1. **Connect NVR:** Connect the NVR to a power source using its dedicated power adapter.
2. **Connect Cameras:** Power on each wireless camera using its individual power adapter. The cameras will automatically pair with the NVR.
3. **Connect to Display:** Connect the NVR to a monitor or TV using an HDMI or VGA cable (not included).
4. **Connect USB Mouse:** Plug the included USB mouse into the NVR's USB port for navigation.

Auto Pair. True Plug and Play

Camera Need Power Supply



Easy Access Remote View



Figure 3.1: Auto Pair and Easy Remote Access Setup

This diagram illustrates the simple auto-pairing process between the cameras and the NVR, along with the steps for enabling remote access.

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Video 3.2: Easy Setup Guide

This video demonstrates the straightforward steps to set up your ANRAN security camera system, including connecting the NVR, cameras, and display.

3.2 Remote Viewing Setup (ARCCTV App)

To enable remote viewing on your smartphone or tablet:

1. **Connect NVR to Router:** Connect the NVR to your internet router using the provided Ethernet cable.
2. **Download App:** Download the free "ARCCTV" app from Google Play Store (Android) or Apple App Store (iOS).
3. **Register Account:** Open the app and register a new user account.
4. **Add Device:** Add your NVR device to the app by scanning the QR code displayed on your NVR's monitor (usually found in System Admin settings) or by manually entering the device ID.
5. **Live View:** Once added, you can view live video feeds from your cameras anytime, anywhere.



Figure 3.3: App Setup for Remote Access

This image provides a visual walkthrough of connecting your NVR to the internet and configuring the ARCCTV mobile application for seamless remote monitoring.

4. OPERATING INSTRUCTIONS

4.1 Motion Detection & Smart Night Vision

The system utilizes advanced AI technology to differentiate between people, animals, and objects, minimizing false alarms. When an intruder is detected, the system highlights the human figure on screen and triggers an LED alarm. The cameras are equipped with 18 IR LEDs, providing clear night vision up to 65 feet even in complete darkness.

Motion Detection and Email Alert

Motion detection screenshot and 30 seconds small video
on ARCCTV

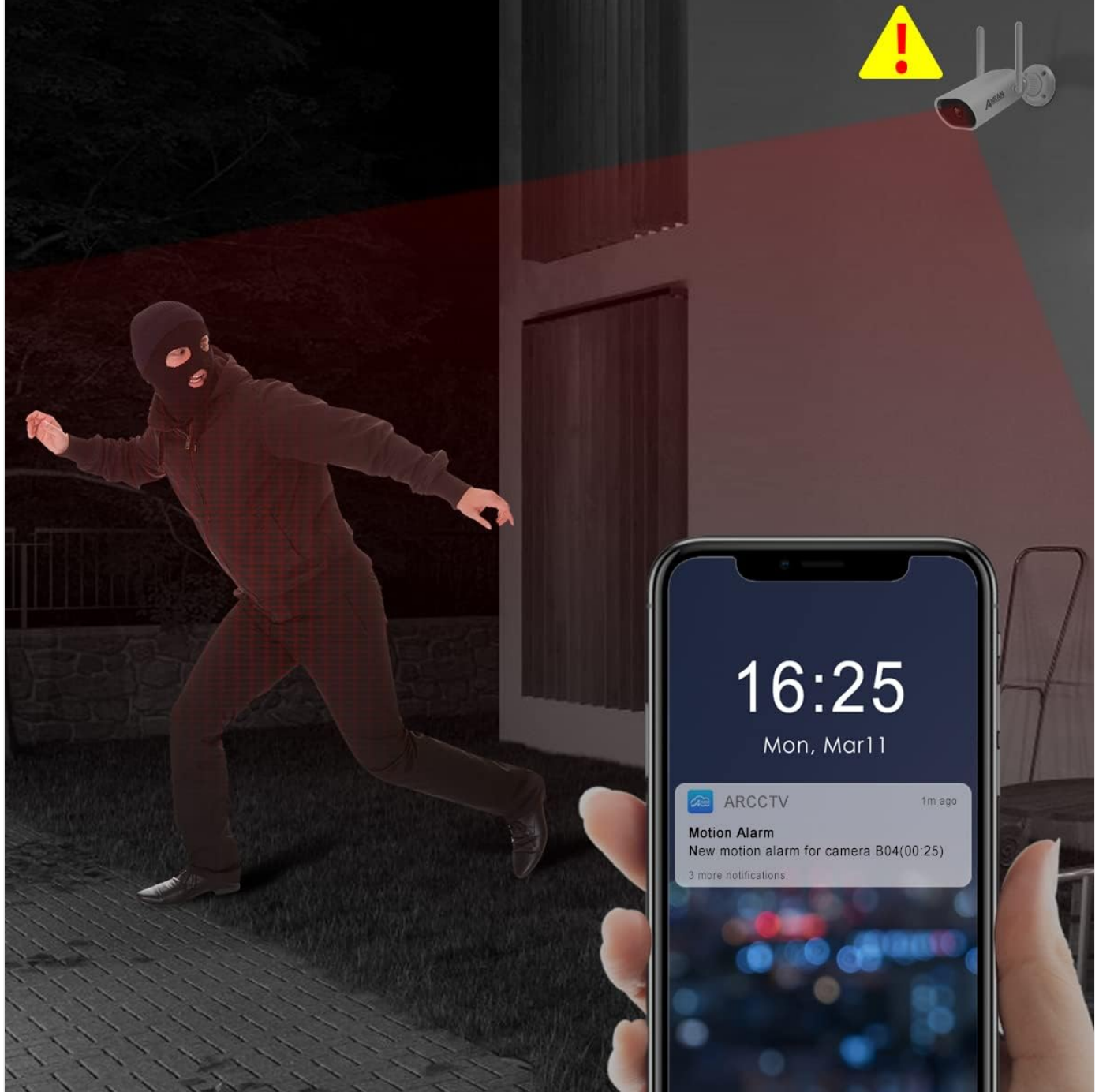


Figure 4.1: Motion Detection and Email Alert

This image demonstrates the motion detection feature, showing how the system identifies movement and sends alerts to your mobile device.

Your browser does not support the video tag.

Video 4.2: 3MP Wireless Security Camera System Features

This video highlights the 3MP resolution and smart night vision capabilities of the ANRAN cameras, showcasing their performance in various lighting conditions.



Figure 4.3: Day, Night Vision, and Waterproof Features

This image visually compares the clarity of day and infrared night vision, and also illustrates the camera's IP66 waterproof design.

4.2 High-Definition Video & Storage

The 3MP (2048 x 1536) high-definition cameras capture crystal-clear images and videos. The system uses H.265+ video compression, which doubles the data compression ratio compared to H.264, improving video quality with lower bit-rates. This reduces network bandwidth usage and saves up to 50% video storage space. A 1TB hard drive is pre-installed, supporting over 40 days of reliable 24-hour video recording.

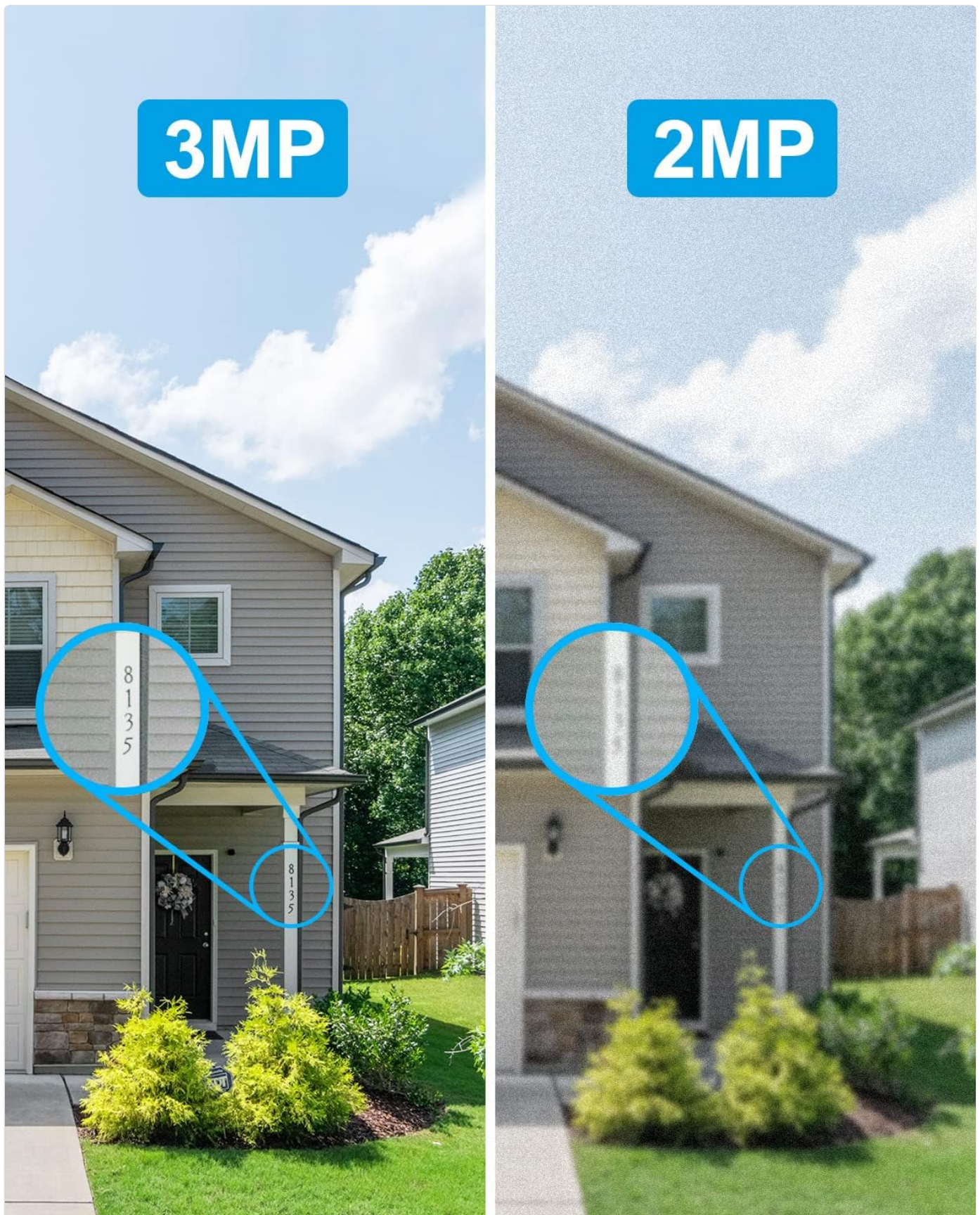


Figure 4.4: 3MP vs 2MP Resolution Comparison

This image clearly demonstrates the superior clarity and detail provided by the 3MP camera resolution compared to 2MP, highlighting the enhanced image quality.

4.3 One-Way Audio & Remote Viewing

The one-way audio function allows you to hear sounds from the camera's vicinity through the ARCCTV app. Multiple users can access the live feed, allowing you to share monitoring with family or friends.

Two-way Audio

Talk with your visitors from Anywhere



Figure 4.5: Two-Way Audio Communication

This image depicts the two-way audio feature, showing how users can communicate through the camera system, for example, with a delivery person.

4.4 Video Playback

The ARCCTV app allows you to review recorded footage from your 1TB hard drive anytime, anywhere. Navigate through the app's playback interface to select specific dates and times for review.

5. MAINTENANCE

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

- **Camera Cleaning:** Periodically clean the camera lenses with a soft, damp cloth to remove dust and smudges that may affect image clarity. Avoid abrasive cleaners.
- **Firmware Updates:** Check the ARCCTV app or ANRAN's official website for firmware updates to ensure your system has the latest features and security patches.
- **Hard Drive Health:** While the 1TB hard drive is robust, consider backing up critical footage periodically. The system automatically overwrites older footage when the drive is full.
- **Cable Inspection:** Regularly inspect all power and network cables for any signs of wear or damage, especially for outdoor installations.
- **Environmental Considerations:** Ensure cameras are installed within the specified operating temperature range (14°F to 122°F / -10°C to 50°C) to prevent damage.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your ANRAN Wireless Security Camera System.

- **No Video Feed:**
 - Ensure all cameras and the NVR are powered on and connected correctly.
 - Check if the cameras are within range of the NVR's wireless signal.
 - Verify that the NVR is properly connected to your display.
- **False Motion Alerts:**
 - Adjust the motion detection sensitivity settings in the NVR or app.
 - Configure motion detection zones to exclude areas with frequent irrelevant movement (e.g., trees swaying, busy roads).
- **Poor Night Vision:**
 - Ensure the camera lens is clean and free from obstructions.
 - Check for strong light sources near the camera that might interfere with IR illumination.
- **Remote Access Issues:**
 - Verify the NVR is connected to the internet via Ethernet cable.
 - Check your router's internet connection.
 - Ensure the ARCCTV app is updated to the latest version.
 - Re-add the device to the app if connectivity issues persist.
- **Camera Lens Haze/Blurriness (Outdoor):**
 - This can sometimes occur due to prolonged exposure to direct sunlight or extreme weather. Ensure cameras are installed with adequate protection from direct elements where possible, despite their IP66 rating.
 - Clean the lens thoroughly. If the issue persists, contact customer support.

7. SPECIFICATIONS

Feature	Detail
Brand	ANRAN

Connectivity Technology	Wireless
Video Capture Resolution	3MP (2048 x 1536), also supports 1536p, 1520p, 1296p
Special Features	Night-vision, Audio Recording, Motion Detection, IP66 Waterproof
Number of Channels	8
Memory Storage Capacity	1 TB (pre-installed)
Color	Black
Power Source	Corded Electric
Compatible Devices	Personal Computers, Cameras, Smartphones/Tablets (via ARCCTV app)
Signal Format	Digital
Working Temperature	14°F to 122°F (-10°C to 50°C)

8. WARRANTY & SUPPORT

ANRAN provides a 1-year warranty for this wireless camera security system and offers lifetime free technical support. If you encounter any problems or have questions, please do not hesitate to contact us. We are always ready to assist you and ensure your satisfaction.

- **Official User Guides:**

- [User Guide \(PDF\)](#)
- [User Manual \(PDF\)](#)

- **Online Support:** Visit the [ANRAN Store on Amazon](#) for additional resources and contact information.



Reliable Customer Support.

If there are any questions when using, please contact us, we always endeavor to assist our customers with the best of our service.

ANRAN is committed to providing excellent customer service and technical assistance for all your product needs.

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