ANNKE B0F7LGVWVF

ANNKE Wireless Camera System User Manual

Comprehensive guide for your ANNKE 16-Channel Expandable 4K Security NVR System with 4MP Solar Camera and 3MP Cameras.

1. Product Overview

The ANNKE Wireless Camera System is a comprehensive security solution designed for robust surveillance. This system includes a 16-channel Network Video Recorder (NVR), four 3MP wireless cameras, and one 4MP solar-powered wireless camera, providing extensive coverage and advanced features for your home or business. With dual-band WiFi connectivity, two-way audio, human detection, and a pre-installed 2TB hard drive, it offers reliable 24/7 protection and remote access capabilities.



Figure 1.1: Overview of the ANNKE Wireless Camera System components.

This image displays the complete ANNKE security system, featuring the central NVR unit, four white bullet-style wireless cameras, and a separate white solar-powered pan-tilt-zoom camera with its solar panel. A 2TB hard drive is also depicted, indicating its inclusion in the NVR.

2. Package Contents

Please verify that all items listed below are included in your package. If any items are missing or damaged, please contact ANNKE customer support.

- 1 x ANNKE 16-Channel Wireless NVR (with pre-installed 2TB HDD)
- 4 x ANNKE 3MP Wireless Bullet Cameras
- 1 x ANNKE 4MP Solar-Powered Wireless PTZ Camera
- 1 x Solar Panel for 4MP Camera
- Power Adapters for NVR and Cameras
- USB Mouse

- Ethernet Cable
- Mounting Screw Kits for Cameras
- Quick Start Guide

3. Key Features

The ANNKE Wireless Camera System offers a range of advanced features for enhanced security:

- **Expandable 16-Channel NVR:** Supports up to 8MP resolution and can be expanded to accommodate more cameras.
- **Stable Dual-Band WiFi:** Utilizes 2.4GHz and 5.8GHz WiFi Pro-tech for flexible network choices, stronger anti-interference, and improved stability.
- **Two-Way Audio:** Built-in microphone and speaker allow for real-time communication via the ANNKE Sight App.
- **Remote Access:** Live view and playback accessible from iOS, Android, and PC devices via WiFi connection.
- **Super HD Resolution:** 3MP and 4MP cameras provide clear and detailed monitoring.
- **100ft Night Vision:** Built-in IR lights enable clear vision up to 100 feet in low-light conditions.
- **IP66 Weatherproof:** Outdoor cameras are designed to withstand harsh weather conditions.
- **24/7 Recording with 2TB HDD:** Pre-installed 2TB hard drive (expandable up to 8TB) for continuous video storage.
- **AI Human Detection:** Accurately detects human figures, minimizing false alarms from pets or vehicles.
- **Instant Alerts:** Receive App/Email alerts with screenshots upon human detection.

4. Setup Guide

4.1 NVR Initial Setup

1. **Connect NVR to Power:** Plug the provided power adapter into the NVR's power input and then into a wall outlet.
2. **Connect to Monitor:** Use an HDMI or VGA cable to connect the NVR to a monitor or TV for initial setup and local viewing.
3. **Connect USB Mouse:** Plug the USB mouse into any available USB port on the NVR.
4. **Network Connection:** For optimal performance and remote access, connect the NVR to your router using the provided Ethernet cable. The NVR supports both wired and wireless connections.
5. **First-Time Wizard:** Follow the on-screen instructions of the NVR's first-time setup wizard to configure basic settings like language, date/time, and network.

4.2 Camera Installation and Pairing

The cameras are designed for wireless connection to the NVR. Ensure cameras are within range of the NVR's WiFi signal.

1. **Power On Cameras:** Connect each 3MP bullet camera to its respective power adapter. For the 4MP solar camera, ensure the solar panel is connected and the camera is charged or connected to power for initial setup.
2. **Mounting Location:** Choose suitable outdoor locations for your cameras, ensuring a clear field of view and strong WiFi signal. The IP66 rating ensures durability in various weather conditions. For the solar camera, position the solar panel to receive maximum direct sunlight throughout the day.
3. **Secure Mounting:** Use the provided screw kits to securely mount the cameras to walls or ceilings. Adjust the camera angle for optimal coverage.
4. **Automatic Pairing:** The cameras are typically pre-paired with the NVR. Once powered on, they should automatically connect to the NVR. If a camera does not connect, refer to the NVR's manual for manual pairing

instructions (usually involving a reset button on the camera and an "Add Camera" option on the NVR interface).

4.3 Network Configuration (Dual-Band WiFi)

The NVR supports both 2.4GHz and 5.8GHz WiFi bands for flexible and stable connectivity.

1. **Access NVR Network Settings:** On the NVR's monitor interface, navigate to *System Setup > Network Settings*.
2. **Select WiFi:** Choose the WiFi option and scan for available networks.
3. **Connect to Your Network:** Select your desired WiFi network (either 2.4GHz for wider coverage or 5.8GHz for faster speed) and enter the password.
4. **Verify Connection:** Ensure the NVR shows a successful network connection. This is crucial for remote access and firmware updates.



Figure 4.3: Dual-Band WiFi Pro Technology for the NVR.

This image visually represents the benefits of dual-band WiFi, showing 2.4GHz offering wider coverage and 5.8GHz providing faster speeds. Below, a multi-screen display demonstrates the simultaneous viewing of multiple camera feeds, highlighting the NVR's 16-channel capability.

5. Operating Instructions

5.1 Remote Access and Viewing

Access your security system from anywhere using the ANNKE Sight App or PC software.

1. **Download ANNKE Sight App:** Search for "ANNKE Sight" on the App Store (iOS) or Google Play Store (Android) and install it on your smartphone or tablet.
2. **Register Account:** Open the app and register a new account or log in if you already have one.
3. **Add Device:** Tap the "+" icon to add your NVR. You can scan the QR code displayed on the NVR's monitor (*System Setup > Network Settings > P2P*) or manually enter the device ID.
4. **Live View & Playback:** Once added, you can view live feeds from all connected cameras and access recorded playback directly from your mobile device.
5. **PC Software:** For PC access, download the ANNKE client software from the official ANNKE website. Install and follow the instructions to add your NVR.

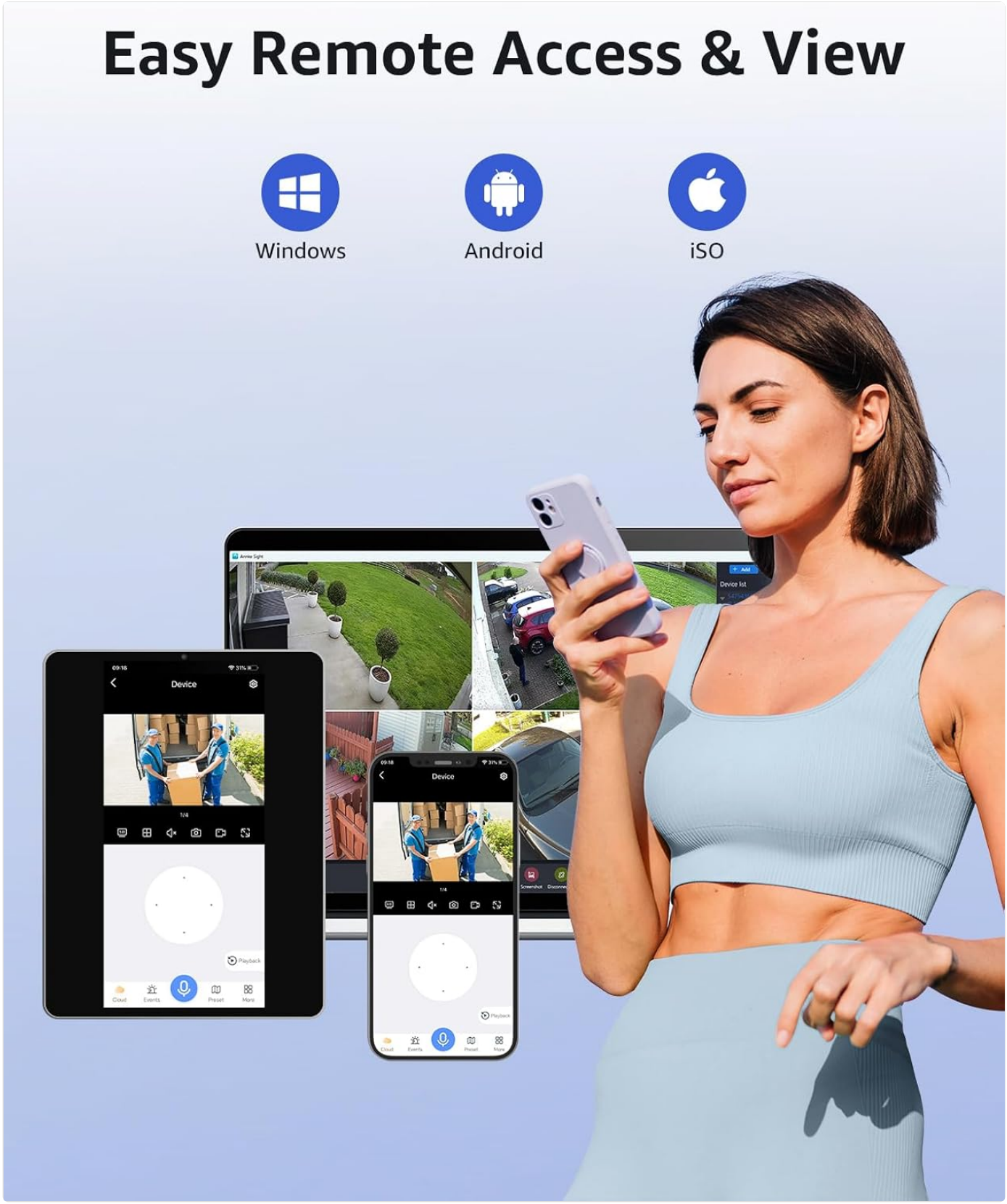


Figure 5.1: Easy Remote Access & View across multiple devices.

This image illustrates the cross-platform compatibility of the ANNKE system, showing the "ANNKE Sight" application interface on a Windows desktop, an Android tablet, and an iOS smartphone. The screens display live camera feeds, demonstrating the ease of remote monitoring from various devices.

5.2 Two-Way Audio Communication

The cameras with two-way audio allow you to listen and speak through the ANNKE Sight App.

1. **Access Live View:** Open the ANNKE Sight App and select the camera you wish to communicate through.
2. **Activate Microphone:** On the live view screen, tap the microphone icon to enable two-way audio. Speak into your

phone's microphone.

3. **Listen:** Ensure the speaker icon is enabled on the app to hear audio from the camera's location.

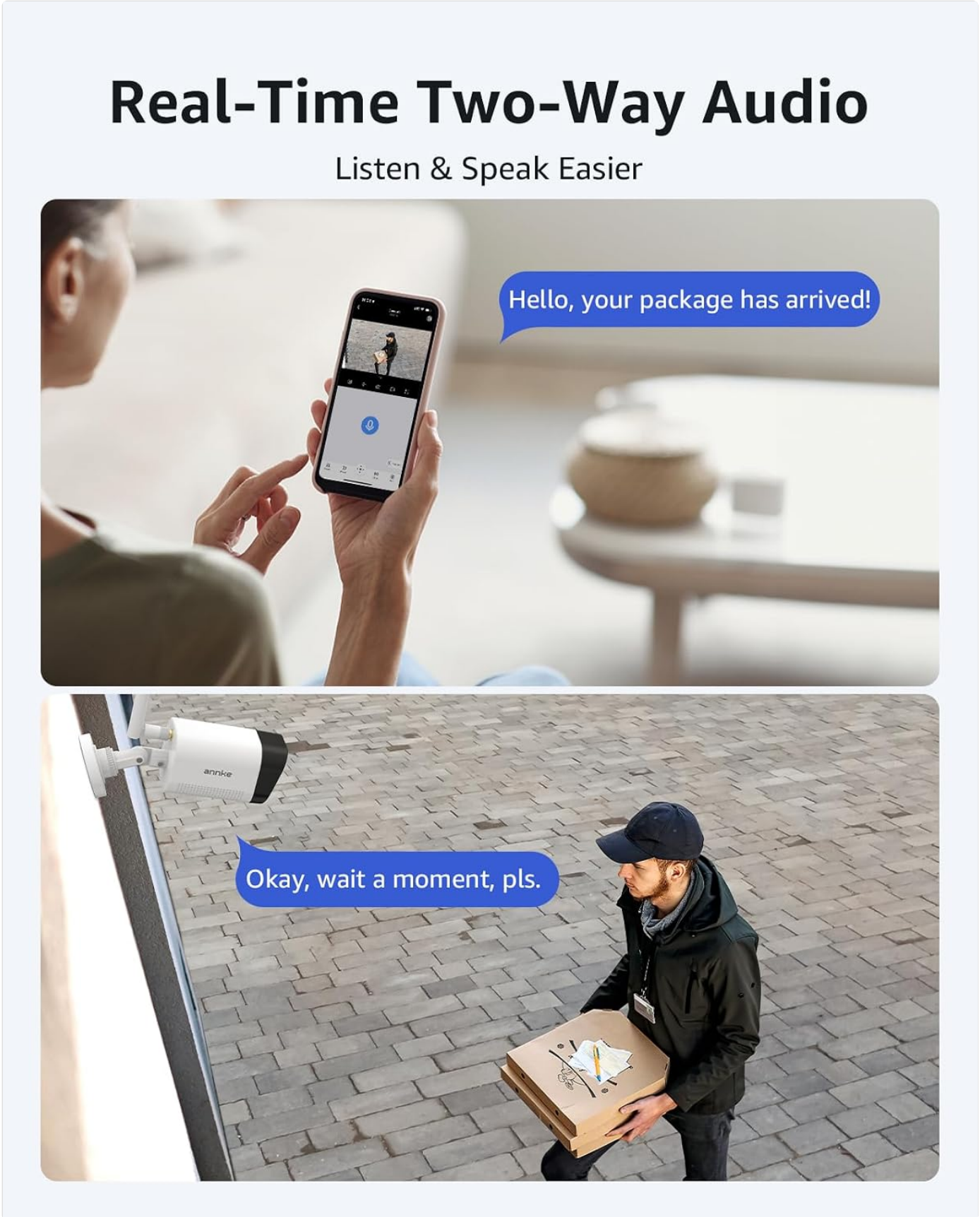


Figure 5.2: Real-Time Two-Way Audio in action.

This image depicts a scenario where a user communicates with a delivery person via the camera system. The top panel shows a person using the ANNKE Sight app on their phone to say "Hello, your package has arrived!", while the bottom panel shows the delivery person outside responding "Okay, wait a moment, pls." to the camera, demonstrating the two-way audio feature.

5.3 AI Human Detection and Alerts

The system's AI human detection minimizes false alarms and provides timely notifications.

1. **Enable Detection:** In the NVR settings or ANNKE Sight App, navigate to the camera's detection settings and ensure "Human Detection" is enabled. You can also set detection zones.
2. **Configure Alerts:** Set up how you wish to receive alerts:
    - **App Push Notifications:** Enable push notifications in the ANNKE Sight App settings.
    - **Email Alerts:** Configure your email settings in the NVR interface to receive email notifications with screenshots.
    - **Siren (if applicable):** Some cameras may have a built-in siren that can be triggered upon detection.
3. **Review Alerts:** Access the "Message" or "Alerts" section in the ANNKE Sight App to review past detection events and associated screenshots.

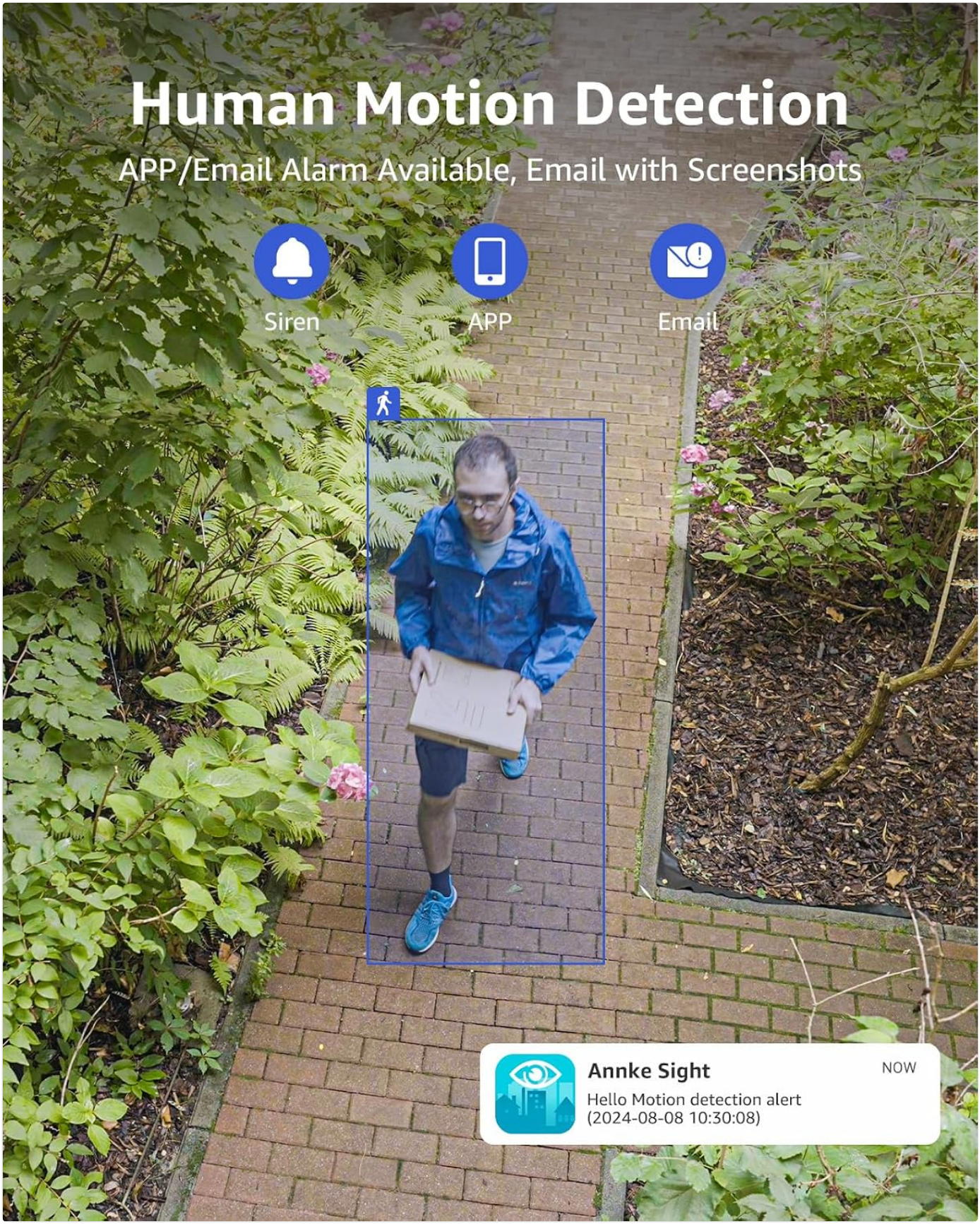


Figure 5.3: Human Motion Detection and Alert System.

This image demonstrates the human motion detection feature. A person walking on a path is highlighted by a blue detection box, and icons for Siren, APP (notification), and Email alerts are shown. A phone screen at the bottom displays an "Annke Sight" motion detection alert with a timestamp.



Figure 5.4: Motion Detection and Instant Alerts.

This image further illustrates the motion detection capabilities, showing two individuals in a garden, each outlined by a blue detection box. Icons for PIR Detection, APP Notification, and Email Alerts are displayed. A phone screen at the bottom shows an "Annke Sight" motion detection alert, indicating real-time notification delivery.

5.4 Recording and Storage

The NVR comes with a pre-installed 2TB HDD for continuous recording.

- **Continuous Recording:** By default, the system is configured for 24/7 continuous recording.
- **Motion-Triggered Recording:** You can configure specific cameras to record only when motion or human detection is triggered, saving storage space.
- **Playback:** On the NVR interface or ANNKE Sight App, select the desired date and time to review recorded footage.
- **Storage Management:** The NVR will automatically overwrite the oldest footage when the hard drive is full. You can manage storage settings and export footage as needed. The NVR supports up to an 8TB HDD.



Figure 5.5: Clarity with 8x Digital Zoom.

This image highlights the camera's ability to maintain clarity even when digitally zoomed in. The main view shows a house and a car in a driveway. An inset box demonstrates an 8x zoom on the car's license plate, revealing the characters "LGL312" clearly, indicating the high resolution of the camera.

6. Maintenance

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

- **Camera Lens Cleaning:** Periodically clean camera lenses with a soft, damp cloth to remove dust, dirt, or water spots that may obscure the view. Do not use harsh chemicals.
- **Check Connections:** Ensure all power cables, network cables, and camera mounts are secure and free from damage.
- **Firmware Updates:** Check for and install NVR and camera firmware updates regularly through the NVR interface or ANNKE Sight App. Updates often include performance improvements and security patches.
- **HDD Health Check:** Monitor the health of the NVR's hard drive through the NVR settings to ensure it is functioning correctly. Back up important footage if necessary.
- **Solar Panel Cleaning (for 4MP camera):** Keep the solar panel clean from dust, leaves, or snow to ensure efficient charging.

7. Troubleshooting

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

Problem	Possible Cause	Solution
No video display on monitor/app.	NVR not powered on; camera not powered on; camera out of range; camera not paired; faulty cable.	Check NVR and camera power connections. Ensure cameras are within NVR WiFi range. Re-pair cameras if necessary (refer to NVR manual). Check HDMI/VGA cable connection to monitor.
No remote access via app.	NVR not connected to internet; incorrect network settings; app not configured correctly.	Verify NVR's internet connection (check network status). Ensure P2P/Cloud service is enabled on NVR. Re-add device in ANNKE Sight App. Check router settings (firewall, port forwarding if not using P2P).
Poor image quality/night vision.	Dirty lens; IR lights blocked; insufficient lighting.	Clean camera lens. Ensure nothing is obstructing the IR lights. Adjust camera position for better lighting.

Problem	Possible Cause	Solution
False alarms from human detection.	Sensitivity too high; detection zone too wide; environmental factors (e.g., swaying trees).	Adjust detection sensitivity in NVR/app settings. Refine detection zones to exclude irrelevant areas. Ensure camera is mounted stably to avoid shaking.
Two-way audio not working.	Microphone/speaker disabled; app permissions; network latency.	Ensure microphone and speaker icons are enabled in the app. Check app permissions on your phone for microphone access. Verify stable network connection for both NVR and phone.

8. Specifications

Component	Detail
NVR Channels	16-Channel Expandable
Max Resolution Support	Up to 8MP
WiFi Connectivity	Dual-Band (2.4GHz & 5.8GHz) WiFi Pro-tech
Included Cameras	4 x 3MP Wireless Cameras, 1 x 4MP Solar Camera
Night Vision	Up to 100ft (IR)
Audio	Two-Way Audio (on supported cameras)
Storage	Pre-installed 2TB HDD (expandable up to 8TB)
Detection	AI Human Detection, Motion Detection
Weatherproof Rating	IP66 (for outdoor cameras)
Remote Access	ANNKE Sight App (iOS/Android), PC Client Software
Compatibility	Alexa Supported
ASIN	B0F7LGVWVF
Date First Available	May 6, 2025

9. Warranty and Support

ANNKE provides dedicated customer support for its products. For technical assistance, warranty claims, or general inquiries, please refer to the following:

- **Official Website:** Visit the official ANNKE website for the latest product information, FAQs, and support resources.
- **Customer Service:** Contact ANNKE customer service directly via their website's support page or the contact

information provided in your product packaging.

- **Warranty Information:** Specific warranty terms and conditions are typically outlined on the ANNKE official website or in the warranty card included with your product. Please retain your proof of purchase for warranty claims.

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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.

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