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ANNKE AU-N98WHR2-94FB-OP

ANNKE 16CH 4K Wireless Security Camera System User Manual

Model: AU-N98WHR2-94FB-OP

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your ANNKE 16CH 4K Wireless Security Camera System. This system is designed to provide comprehensive surveillance with high-resolution video, advanced detection features, and convenient remote access.

2. What's in the Box

Carefully unpack the contents and ensure all items are present. If any items are missing or damaged, please contact customer support.

- 1 x 16-Channel 4K Network Video Recorder (NVR)
- 1 x 2TB Hard Drive (pre-installed)
- 4 x 4K Wireless Cameras
- 4 x Camera Antennas
- 5 x Power Adapters (1 for NVR, 4 for cameras)
- 4 x Screw Bags for camera mounting
- 1 x HDMI Cable
- 1 x Network Cable
- 1 x USB Mouse
- 1 x Quick Start Guide
- 4 x Warning Stickers

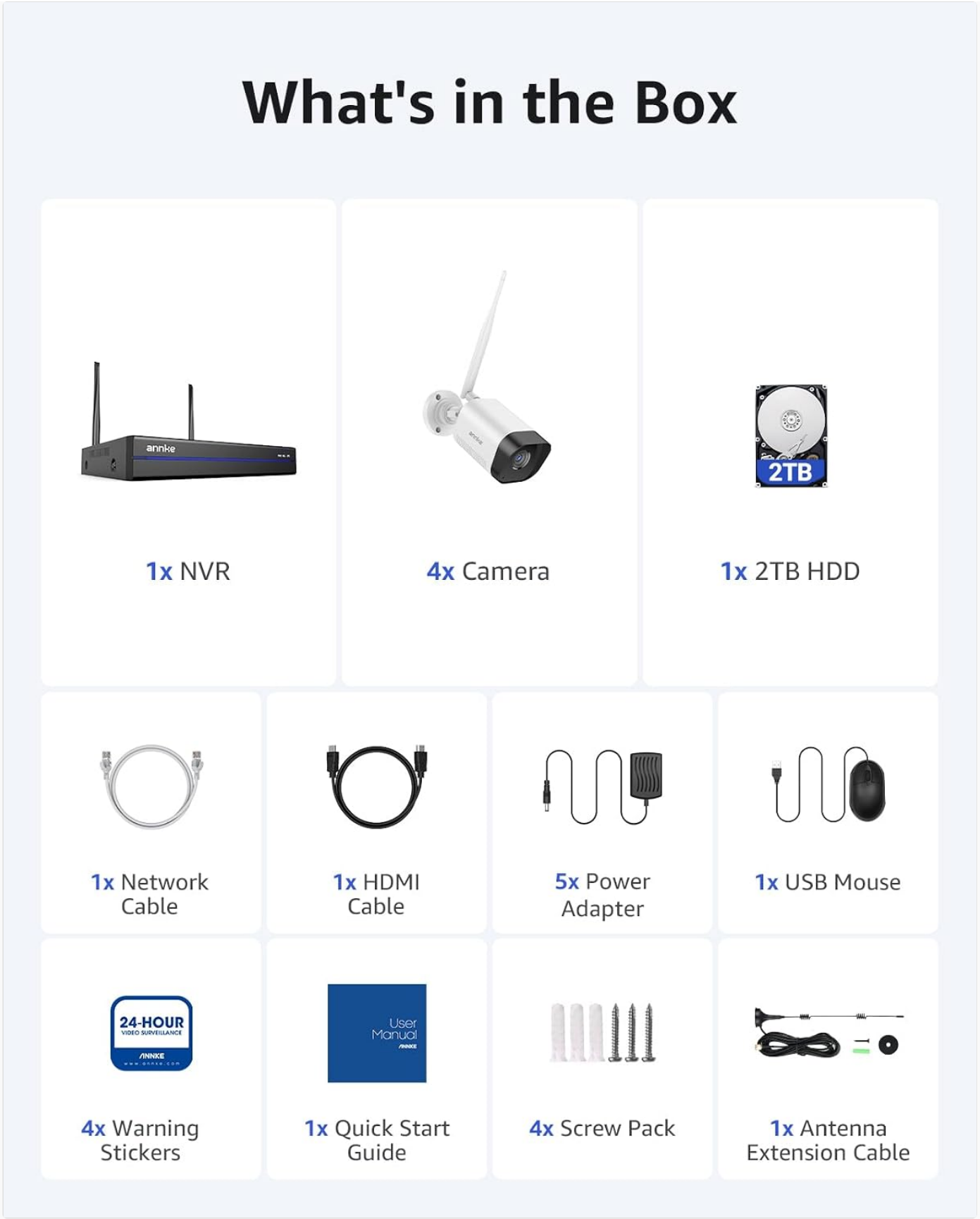


Image: All components included in the ANNKE 16CH 4K Wireless Security Camera System package.

3. System Overview

The ANNKE 16CH 4K Wireless Security Camera System consists of a Network Video Recorder (NVR) and multiple wireless cameras. The NVR acts as the central hub for recording, managing, and accessing video footage from all connected cameras.

3.1 NVR Features

- 16-Channel input for expandable surveillance.
- Supports 4K Ultra HD video recording.
- Pre-installed 2TB HDD for continuous recording (expandable up to 8TB).
- Dual-Band WiFi (2.4GHz/5.8GHz) for stable wireless connection.

3.2 Camera Features

- 8MP 4K Ultra HD resolution for clear imaging.
- Up to 100ft (30m) IR night vision.
- IP66 weatherproof rating for outdoor use.
- Built-in microphone and speaker for two-way audio.
- AI Human Detection to minimize false alarms.



Image: The ANNKE NVR and four wireless cameras with a 2TB hard drive.

4. Setup

4.1 NVR Installation

1. Connect the NVR to a monitor using the provided HDMI cable.
2. Connect the USB mouse to the NVR's USB port.
3. Connect the NVR to your router using the network cable for internet access.
4. Connect the NVR power adapter and plug it into an electrical outlet. The NVR will power on automatically.

4.2 Camera Installation

1. Attach the antennas to each camera.
2. Mount the cameras in desired outdoor locations using the provided screw bags. Ensure the mounting surface is stable.
3. Connect each camera to its respective power adapter and plug into an electrical outlet.
4. The cameras will automatically pair with the NVR. If pairing issues occur, refer to the Quick Start Guide for manual pairing instructions.

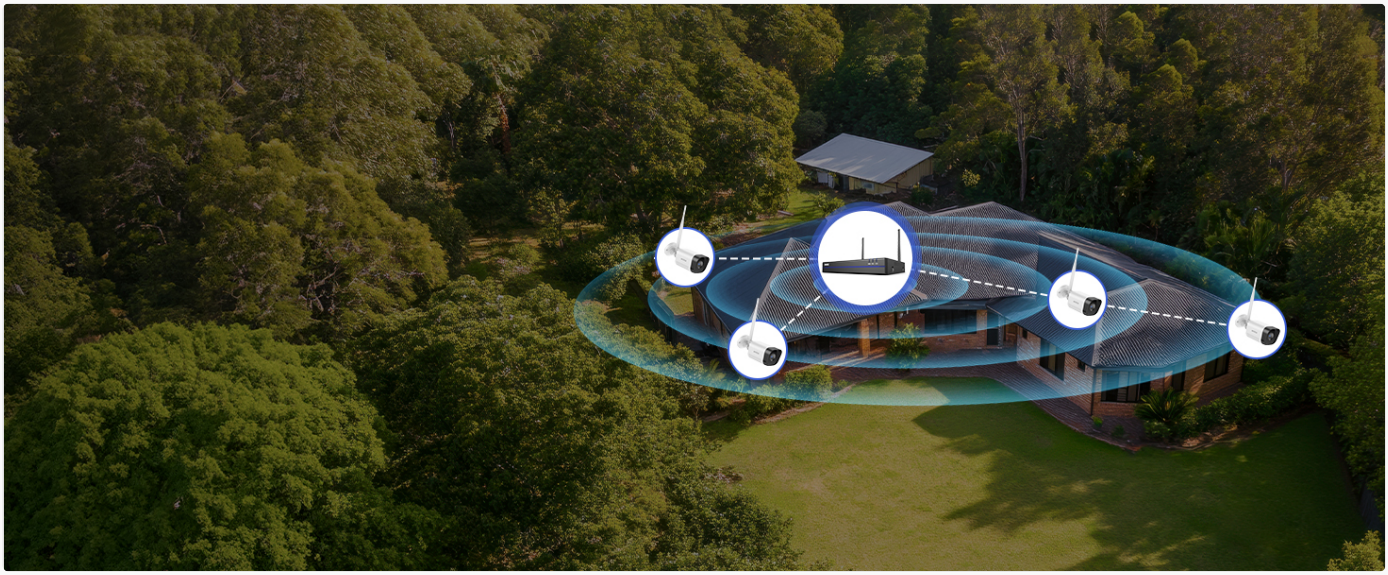


Image: Illustration of the wireless connection between the NVR and cameras, demonstrating coverage.

5. Operating the System

5.1 Initial Setup Wizard

Upon first power-on, the NVR will guide you through an initial setup wizard to configure language, time zone, password, and network settings.

5.2 Remote Access via Annke Sight App

Download the 'Annke Sight' app from your smartphone's app store (iOS or Android). Follow the in-app instructions to add your NVR system. This allows for live viewing, playback, and system management from your mobile device.

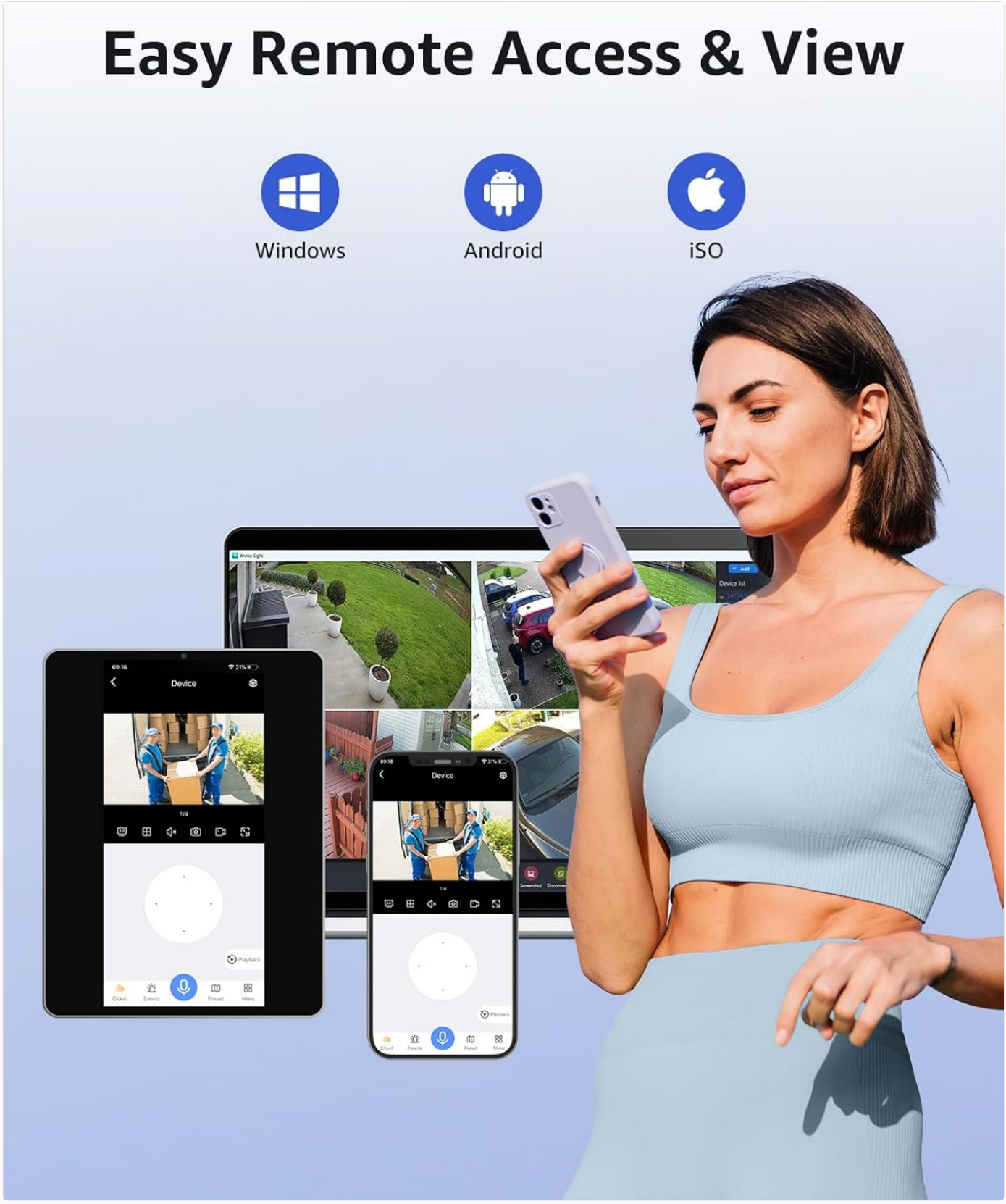


Image: Remote access and viewing of camera feeds on various smart devices.

5.3 Two-Way Audio

Each camera features a built-in microphone and speaker. Through the Annke Sight app, you can listen to audio from the camera's location and speak through the camera to communicate with visitors or deter intruders.



Image: Example of two-way audio functionality, allowing communication with someone at the camera's location.

5.4 AI Human Detection & Alerts

The system utilizes AI to accurately detect human figures, reducing false alarms from pets, vehicles, or environmental factors. When a person is detected, the system can send instant alerts to your smartphone via the Annke Sight app or email with screenshots.

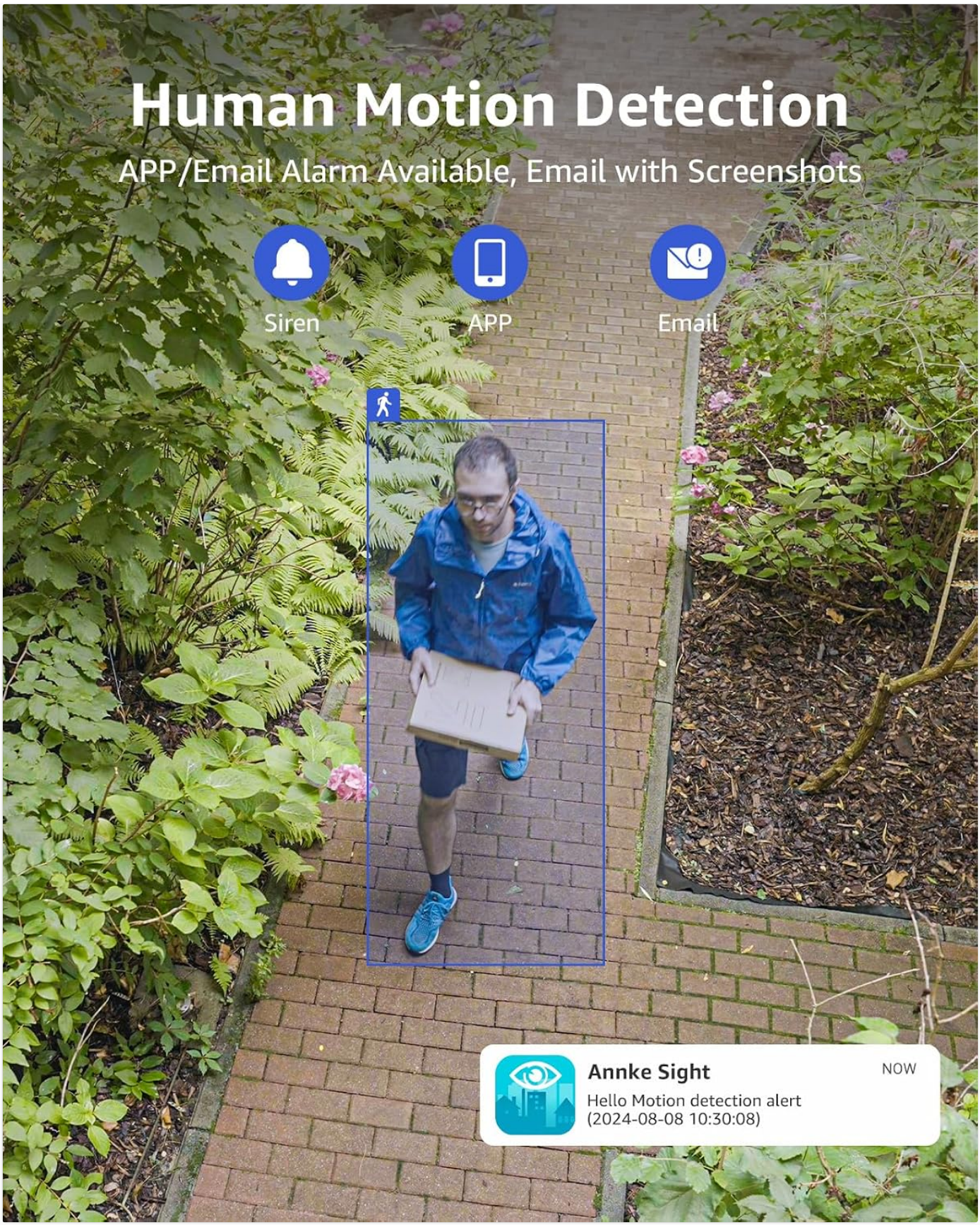


Image: AI Human Detection in action, highlighting a person within the camera's view and showing an alert.

5.5 24/7 Continuous Recording

With the pre-installed 2TB hard drive, the system supports continuous 24/7 recording. The NVR will automatically overwrite the oldest footage when the hard drive is full, ensuring uninterrupted recording.

Image: Visual representation of the system's 24/7 recording capability, showing day and night surveillance.

5.6 Night Vision

The cameras are equipped with infrared (IR) LEDs, providing clear black and white night vision up to 100 feet (30 meters) in low-light conditions.



Image: Night vision footage showing a clear view of a property in darkness.

5.7 Privacy Masking

You can customize up to 4 privacy masks per camera to block out specific areas within the camera's field of view that you do not wish to record, ensuring privacy for neighboring properties or sensitive areas.

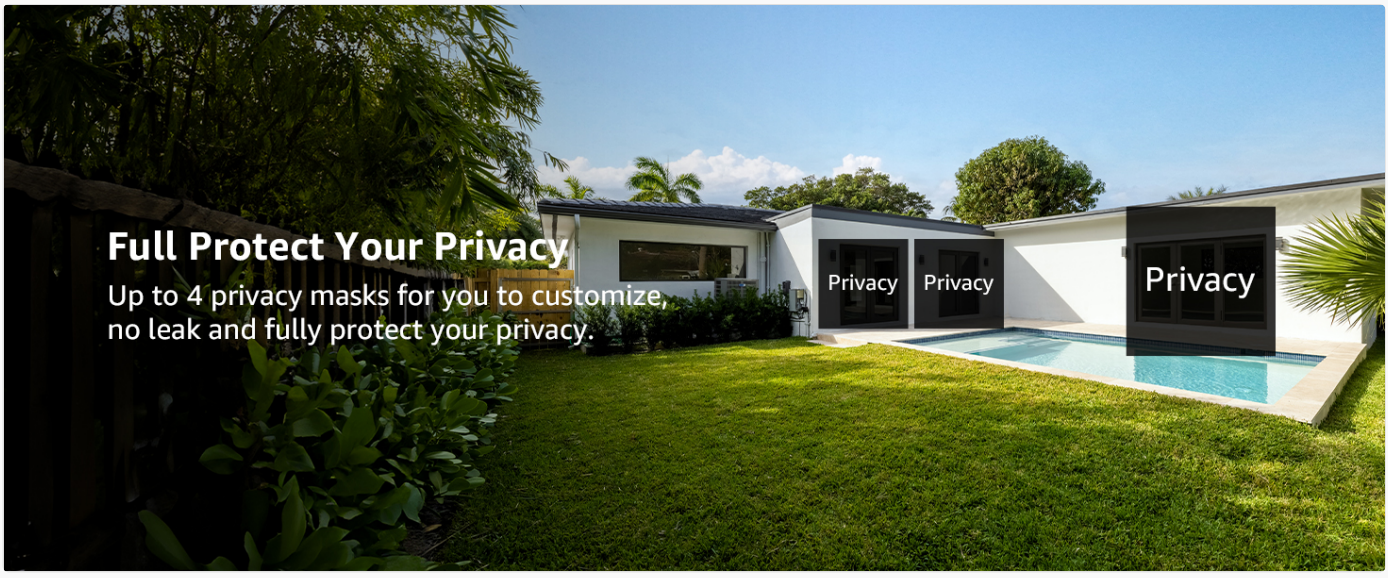


Image: Illustration of privacy masking, showing how specific areas can be excluded from recording.

5.8 Smart Home Integration (Alexa)

The system supports integration with Amazon Alexa. You can use voice commands to view camera feeds on compatible Alexa-enabled devices with screens.

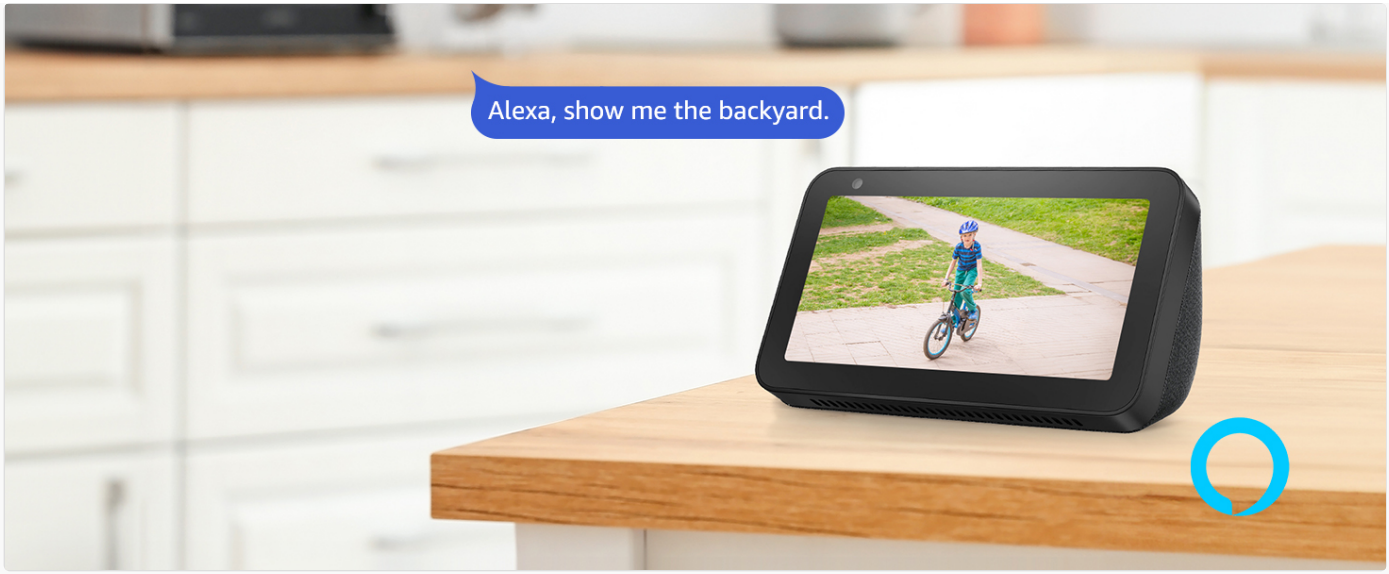


Image: An Echo Show displaying a live camera feed, demonstrating Alexa integration.

6. Maintenance

6.1 Camera Care

The cameras are IP66 weatherproof, designed to withstand various weather conditions. Periodically inspect the camera lenses for dirt or debris and clean them gently with a soft, damp cloth to ensure optimal image clarity. Avoid using harsh chemicals.



Image: The camera's durability in various weather conditions, including snow, rain, and sun.

6.2 NVR Hard Drive Management

The 2TB hard drive provides ample storage. The system is configured to automatically overwrite the oldest footage when the drive is full. You can adjust recording settings (e.g., motion-triggered recording) via the NVR interface to optimize storage usage.

6.3 Firmware Updates

Regularly check for firmware updates for both the NVR and cameras through the Annke Sight app or the NVR's system settings. Firmware updates can improve performance, add new features, and enhance security.

7. Troubleshooting

- **No Video Display:**
  Check all power connections for the NVR and cameras. Ensure the HDMI cable is securely connected to the monitor and NVR. Verify the monitor input source is correct.
- **Cameras Not Connecting:**
  Ensure cameras are powered on and within range of the NVR. If necessary, perform manual pairing as described in the Quick Start Guide. Check for obstructions that might interfere with wireless signals.
- **No Remote Access:**
  Verify the NVR is connected to the internet. Check your router's internet connection. Ensure the Annke Sight app is updated and the NVR is correctly added to your account.
- **False Motion Alerts:**
  Adjust the sensitivity settings for human detection in the NVR or app. Utilize privacy masking or customize detection zones to exclude areas prone to false triggers (e.g., moving trees, busy roads).
- **Poor Night Vision:**
  Ensure the camera lens is clean. Check for any nearby reflective surfaces (e.g., windows, bright walls) that might cause IR glare.
- **Two-Way Audio Issues:**
  Check microphone and speaker settings in the app or NVR. Ensure there are no physical obstructions blocking the microphone or speaker on the camera.

8. Specifications

Feature	Specification
Brand	ANNKE
Model Number	AU-N98WHR2-94FB-OP
Connectivity Technology	Wireless
Video Capture Resolution	4K (8MP)
Number of Channels	16
Memory Storage Capacity	2 TB (expandable up to 8 TB)
Color	White
Power Source	Corded Electric
Item Dimensions (L x W x H)	12.6 x 10.63 x 7.09 inches
Recommended Uses	Outdoor
Compatible Devices	Personal Computers, Smartphones
Night Vision Range	100 Feet
Frame Rate	30 FPS
Recording Mode	Continuous

Feature	Specification
Hardware Interface	802.11 ac/b/g/n (Dual-Band WiFi)
Lens Type	Fixed
Video Input	IP, HDMI, VGA
Viewing Angle	70 Degrees
Weatherproof Rating	IP66
Special Features	App Control, Human Detection, Siren Alarm, Smart Playback, Weatherproof

9. Warranty and Support

ANNKE provides lifetime technical support for this product. For assistance with installation, troubleshooting, or any other inquiries, please contact ANNKE customer service. Refer to the official ANNKE website or the Quick Start Guide for contact information.
For warranty details, please consult the documentation included with your product or visit the ANNKE support page online.

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