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ANNKE DG81BG2-54BN-P

ANNKE DG81BG2-54BN-P 2MP Two-Way Audio Security Camera System User Manual

Model: DG81BG2-54BN-P

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your ANNKE 2MP Two-Way Audio Security Camera System. This system includes an 8-channel 3K Lite DVR and four 1080P wired cameras, designed for reliable outdoor home surveillance. Key features include two-way audio communication, advanced AI motion detection for human and vehicle recognition, color night vision capabilities, and efficient video search technology.



Image 1.1: Overview of the ANNKE 2MP Two-Way Audio Security Camera System, including the DVR unit and four cameras.

2. What's in the Box

Verify that all components listed below are present in your package before proceeding with installation.

- 1x 8CH 3K Lite DVR with 2TB HDD
- 4x 2MP 2-way Talk Cams
- 4x BNC Cables
- 4x Screw Kits
- 2x Power Adapters
- 1x Ethernet Cable
- 1x HDMI Cable
- 1x USB Mouse
- 1x User Manual
- 1x Wall Sticker



Image 2.1: Visual representation of all items included in the product package.

3. Setup Guide

Follow these general steps for initial system setup. For detailed instructions, refer to the included User Manual PDF.

1. **Unpack and Inspect:** Carefully remove all components from the packaging and inspect for any damage.
2. **Connect Cameras to DVR:** Use the provided BNC cables to connect each camera to the corresponding video input ports

on the DVR. Ensure connections are secure.

3. **Connect DVR to Monitor:** Connect the DVR to a monitor using the HDMI or VGA cable.
4. **Connect USB Mouse:** Plug the USB mouse into a USB port on the DVR for navigation.
5. **Connect Power:** Connect the power adapters to the DVR and cameras, then plug them into a power outlet. The system will power on automatically.
6. **Initial Configuration:** Follow the on-screen prompts to complete the initial setup wizard, including setting up a password, network settings, and time zone.
7. **Network Connection (Optional but Recommended):** Connect the DVR to your router using the Ethernet cable for remote access and firmware updates.

4. Operating Instructions

Once the system is set up, you can begin monitoring and managing your surveillance.

4.1 Live View

Access the live feed from all connected cameras on your monitor or via the ANNKE Vision mobile application. The live view allows real-time monitoring of your property.



Image 4.1: The live view interface displaying real-time camera feeds.

4.2 Playback and Recording

The system continuously records to the pre-installed 2TB HDD. You can review recorded footage by navigating to the playback menu on the DVR or through the mobile app. Use the timeline to select specific dates and times for review.



Image 4.2: Mobile application interface for reviewing 24/7 recorded video and audio.

4.3 Remote Access

Download the ANNKE Vision app from the Google Play Store or Apple App Store to access your security system remotely from your smartphone or tablet. This allows you to view live feeds, play back recordings, and receive alerts from anywhere with an internet connection.



Image 4.3: Remote access to the security system via various smart devices.

5. Features Overview

5.1 Accessible Two-Way Audio

Each camera is equipped with a built-in speaker and microphone, enabling real-time two-way communication. This feature allows you to speak to individuals near the camera, similar to a phone call, enhancing interaction and security.

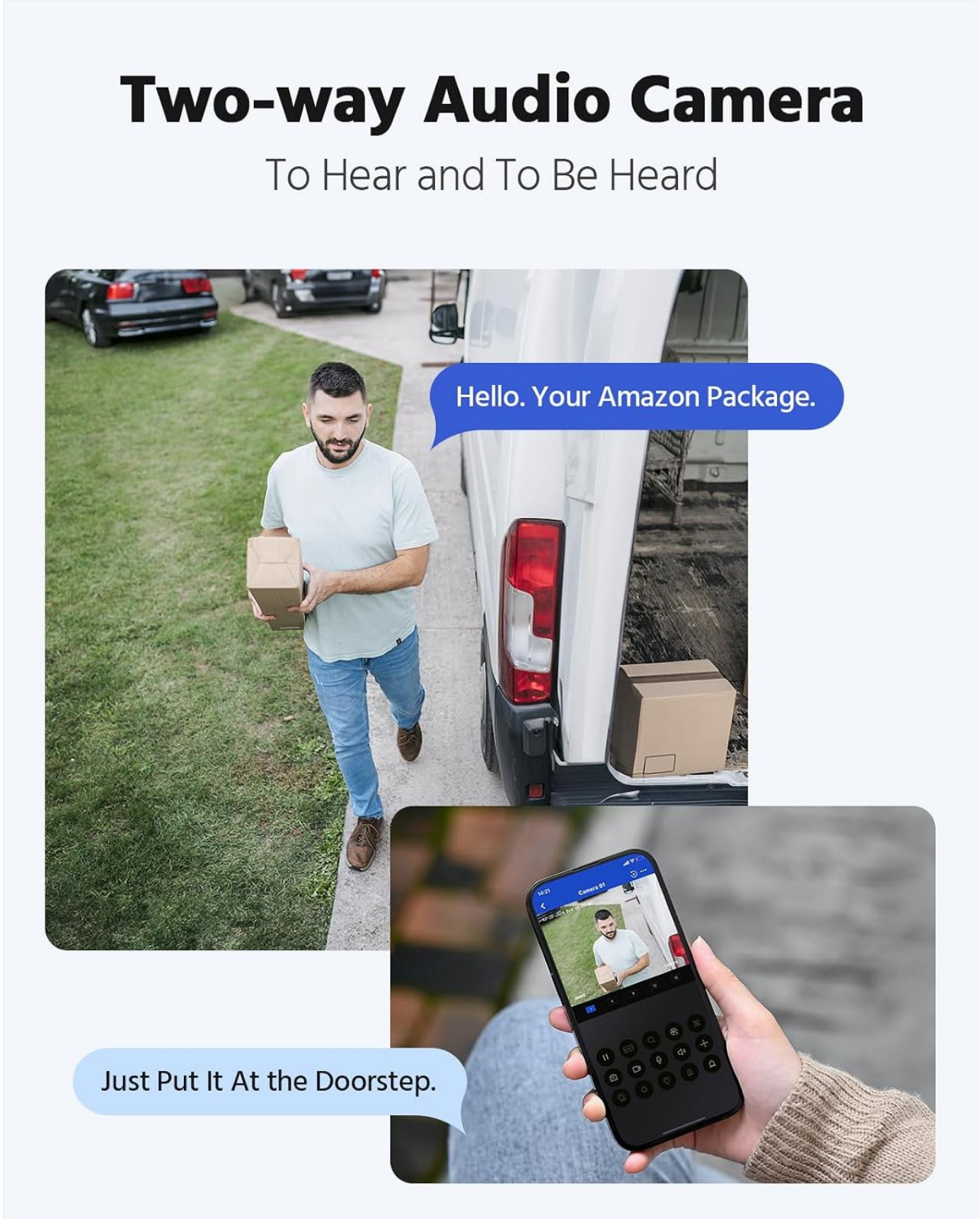


Image 5.1: Illustration of the two-way audio feature in use.

5.2 Upgraded AI Motion Detection 2.0

All 8 analog channels feature AI human/vehicle detection, significantly reducing false alarms caused by irrelevant movements. You will receive timely app push notifications from the Annke Vision App when a human or vehicle is detected, ensuring you are only alerted to significant events.



Image 5.2: AI Motion Detection 2.0 identifying humans and vehicles.

5.3 Colorful Night Vision

The system offers three night vision modes: smart light, white light, and IR night vision. The smart light mode is the default, providing black and white night vision that automatically switches to color when a human or vehicle is detected, offering enhanced detail in low-light conditions.

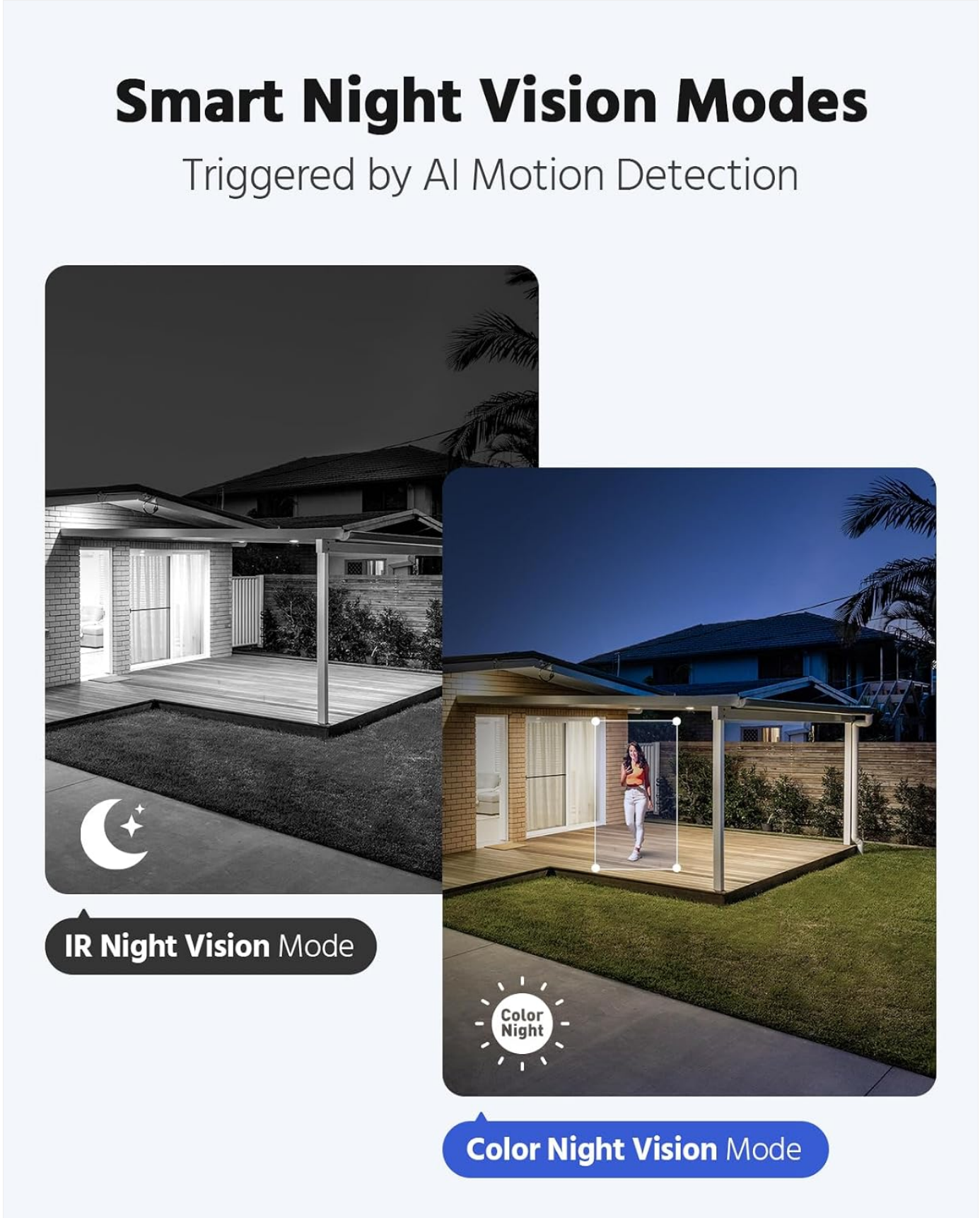


Image 5.3: Demonstration of Smart Night Vision Modes.

5.4 Crystal 1080P FHD Footage

Equipped with a 2MP CMOS image sensor and a 3.6mm lens, the cameras deliver 2MP (1920x1080) video footage at 30 frames per second. This resolution provides clear and detailed images, significantly clearer than 720P systems, for effective home and business surveillance.



Image 5.4: Visual representation of 1080P Full HD video clarity.

5.5 Advanced AcuSearch Technology

The 4-channel AcuSearch feature allows you to quickly locate and search for specific events or objects within your recorded footage with a single click. This streamlines the review process, saving time and improving efficiency. **Note:** AcuSearch is enabled locally on the DVR. When AcuSearch is active, AI detection in ordinary event settings will be disabled for all 8 channels.

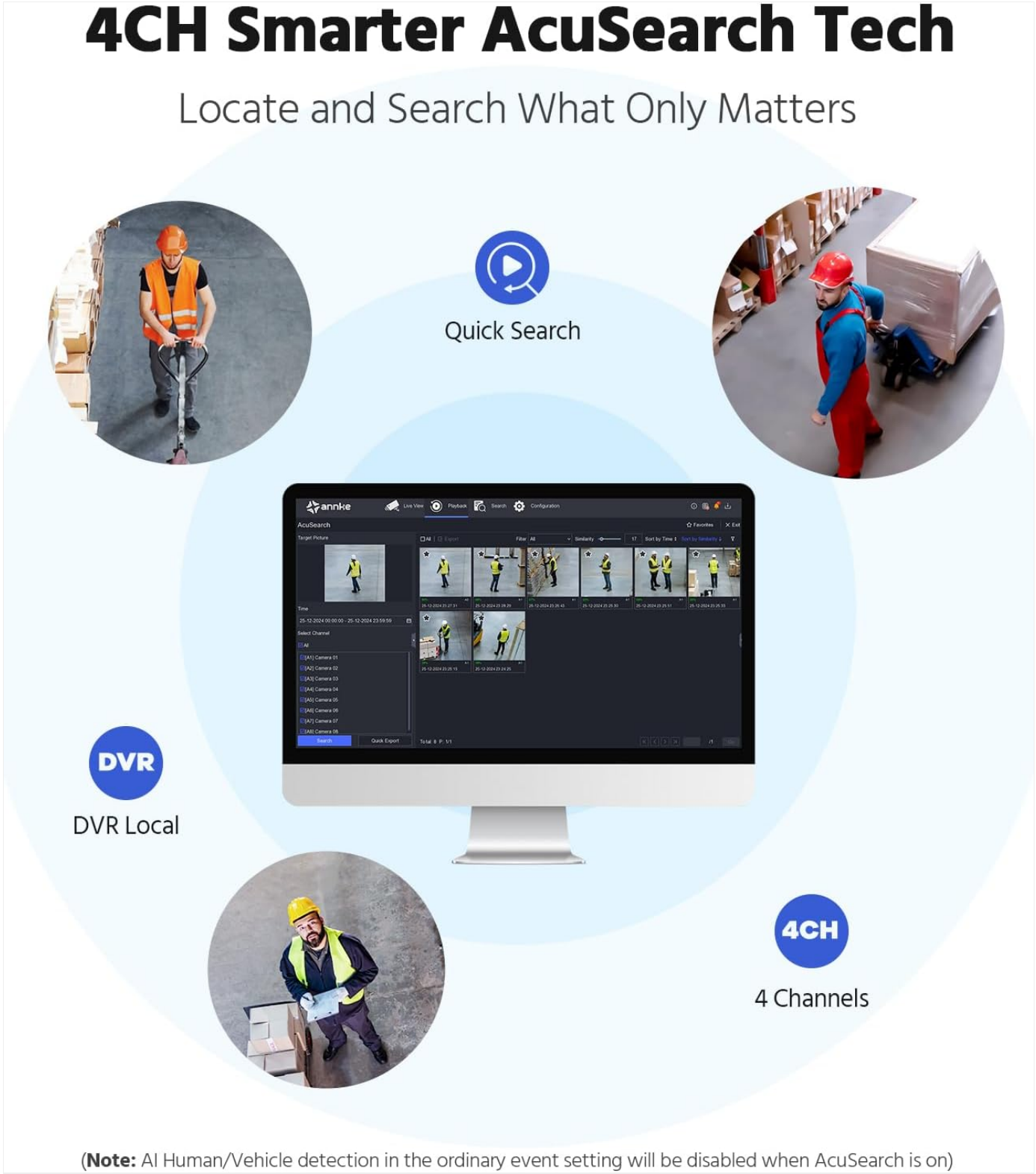


Image 5.5: The AcuSearch interface for efficient video event retrieval.

5.6 24/7 Non-stop Recording

The system includes a pre-installed 2TB hard drive disk, providing ample storage for continuous 24/7 recording. This ensures that all activity is captured, offering comprehensive security coverage.



Image 5.6: Representation of continuous 24/7 recording capability.

5.7 IP67 Weatherproof Rating

The cameras are rated IP67, indicating high resistance to dust and water. This robust design allows the cameras to withstand harsh weather conditions, ensuring reliable performance and a longer lifespan for outdoor installations.

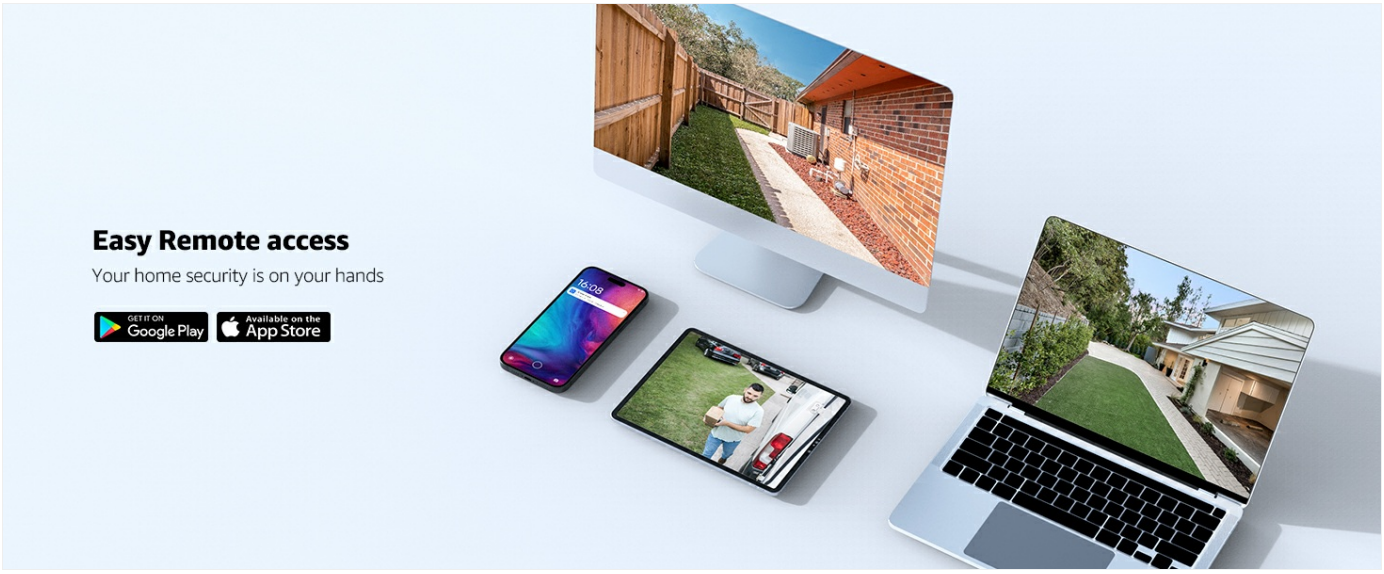


Image 5.7: The IP67 rating ensures durability against environmental elements.

6. Maintenance

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

- **Camera Cleaning:** Periodically clean camera lenses with a soft, damp cloth to remove dust and smudges that may affect image clarity. Do not use harsh chemicals.
- **Cable Inspection:** Regularly check all cables for signs of wear, damage, or loose connections. Secure or replace any compromised cables.
- **Firmware Updates:** Check the ANNKE website or the ANNKE Vision app for available firmware updates for your DVR and cameras. Keeping firmware updated ensures access to the latest features and security patches.
- **Hard Drive Health:** The 2TB HDD is designed for continuous recording. While durable, it is good practice to periodically check the DVR's system logs for any hard drive health warnings.
- **Power Supply:** Ensure power adapters are securely connected and not exposed to extreme temperatures or moisture.

7. Troubleshooting

If you encounter issues with your ANNKE security system, refer to the following common troubleshooting steps.

- **No Video Display:**
  - Check if the DVR and monitor are powered on.
  - Verify that the HDMI/VGA cable is securely connected between the DVR and monitor.
  - Ensure cameras are properly connected to the DVR and receiving power.
- **No Audio / Distorted Audio:**
  - Confirm that the camera's microphone and speaker are not obstructed.
  - Check audio settings on the DVR and mobile app.
  - Ensure volume levels are appropriately set.
- **Remote Access Issues:**
  - Verify the DVR is connected to the internet via Ethernet cable.
  - Check your router's internet connection.
  - Ensure the ANNKE Vision app is updated to the latest version.

- Confirm correct network settings on the DVR.

- **False Motion Alarms:**
  - Adjust the AI motion detection sensitivity settings in the DVR or app.
  - Configure detection zones to exclude areas with frequent irrelevant movement (e.g., swaying trees, busy roads).
- **System Not Recording:**
  - Check the hard drive status in the DVR settings to ensure it is detected and functioning correctly.
  - Verify recording schedules are properly configured.

If problems persist after attempting these steps, please contact ANNKE customer support for further assistance.

8. Specifications

Feature	Specification
Brand	ANNKE
Model Number	DG81BG2-54BN-P
Connectivity Technology	Wired
Video Capture Resolution	1080p
Special Features	App Control, Automatic Overwrite, Human Detection, Night Vision, Two-Way Audio
Number of Channels	8
Memory Storage Capacity	2 TB
Color	White
Power Source	Corded Electric
Item Dimensions (L x W x H)	14.5 x 11.8 x 7.6 inches
Compatible Devices	Cameras, Laptops, Personal Computers, Smartphones, Tablets
Night Vision Range	25 Meters
Frame Rate	30 fps, 25 fps
Recording Mode	Motion Detection
Hardware Interface	Ethernet
Lens Type	Fixed
Video Input	CVBS
Viewing Angle	87 Degrees
Item Weight	13.89 pounds

Feature	Specification
Date First Available	January 2, 2025

9. Warranty and Support

ANNKE is committed to providing high-quality products and customer satisfaction. Your security system comes with comprehensive support.

- **Lifetime Technical Help:** ANNKE offers lifetime technical support for its products. Should you encounter any issues or require assistance, please contact our support team.
- **After-Sale Support:** Dedicated after-sale support is available to address any concerns or questions you may have regarding your product.
- **Quick Response:** Our support team aims to provide quick and efficient responses to all inquiries.

For further assistance, please visit the official ANNKE website or refer to the contact information provided in your product documentation.

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