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ANNKE H1200

ANNKE H1200 12MP PoE Security Camera System User Manual

Model: H1200 | Brand: ANNKE

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your ANNKE H1200 12MP PoE Security Camera System. This system is designed for reliable surveillance, offering high-resolution video, intelligent detection features, and remote access capabilities.

The ANNKE H1200 system includes an 8-channel Network Video Recorder (NVR) with a pre-installed 2TB hard drive and four 12-megapixel Ultra High Definition (UHD) Power over Ethernet (PoE) IP cameras. Key features include smart dual light technology for enhanced night vision, AI-powered human and vehicle detection, and efficient H.265+ video compression.



Image 1.1: Overview of the ANNKE H1200 12MP PoE Security Camera System components.

2. What's in the Box

Verify that all components are present in your package:

- 1x 8 Channel PoE NVR with 2TB Security Grade Hard Drive
- 4x 12MP Bullet PoE Security Cameras
- 2x 60 ft/18 m Cat5e Ethernet Cables
- 2x 100 ft/30 m Cat5e Ethernet Cables
- 1x Power Adapter & USB Mouse
- 1x HDMI Cable
- 1x 3ft/1m Network Cable
- 1x User Manual
- 4x Screw Kits
- 5x Wall Stickers



Image 2.1: Visual representation of package contents.

3. Product Overview and Features

3.1. 12MP UHD Clarity

The system features 12-megapixel cameras with a 1/2.7" progressive scan BSI CMOS image sensor, delivering 4096x3072 resolution images. This provides six times the clarity of 1080P cameras, ensuring detailed surveillance footage.

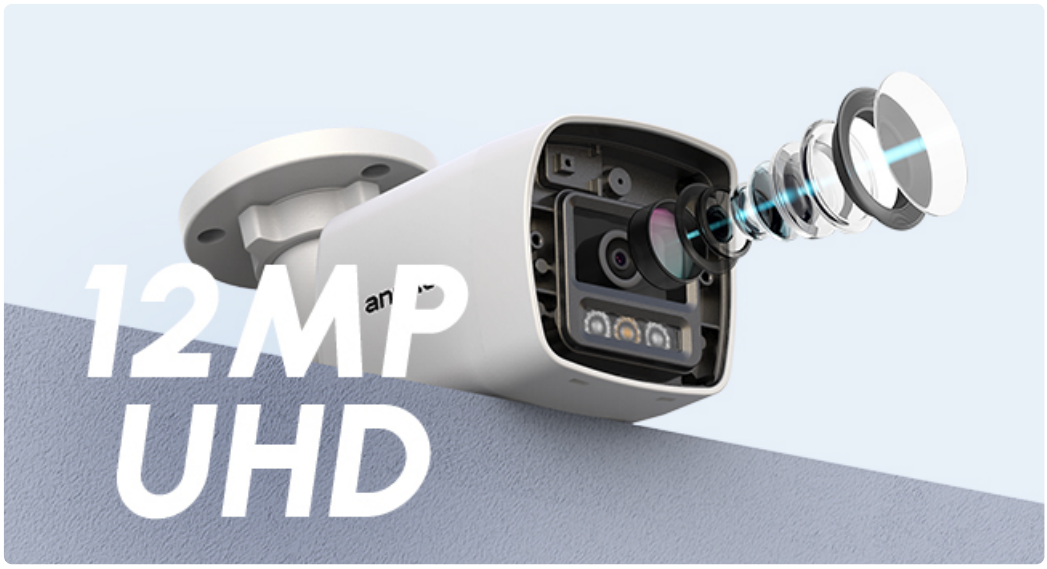


Image 3.1: Detailed view of the 12MP UHD camera lens.

3.2. Night Vision Modes

The cameras offer three distinct night vision modes:

- **Full Color Mode:** Provides color images in low-light conditions when sufficient ambient light is available or when the camera's spotlight is active.
- **IR Night Mode:** Utilizes infrared illumination for clear black and white video in complete darkness.
- **Motion Detected Color Mode:** Defaults to IR night vision and automatically switches to full color when human or vehicle motion is detected, illuminating the scene with the camera's spotlight.

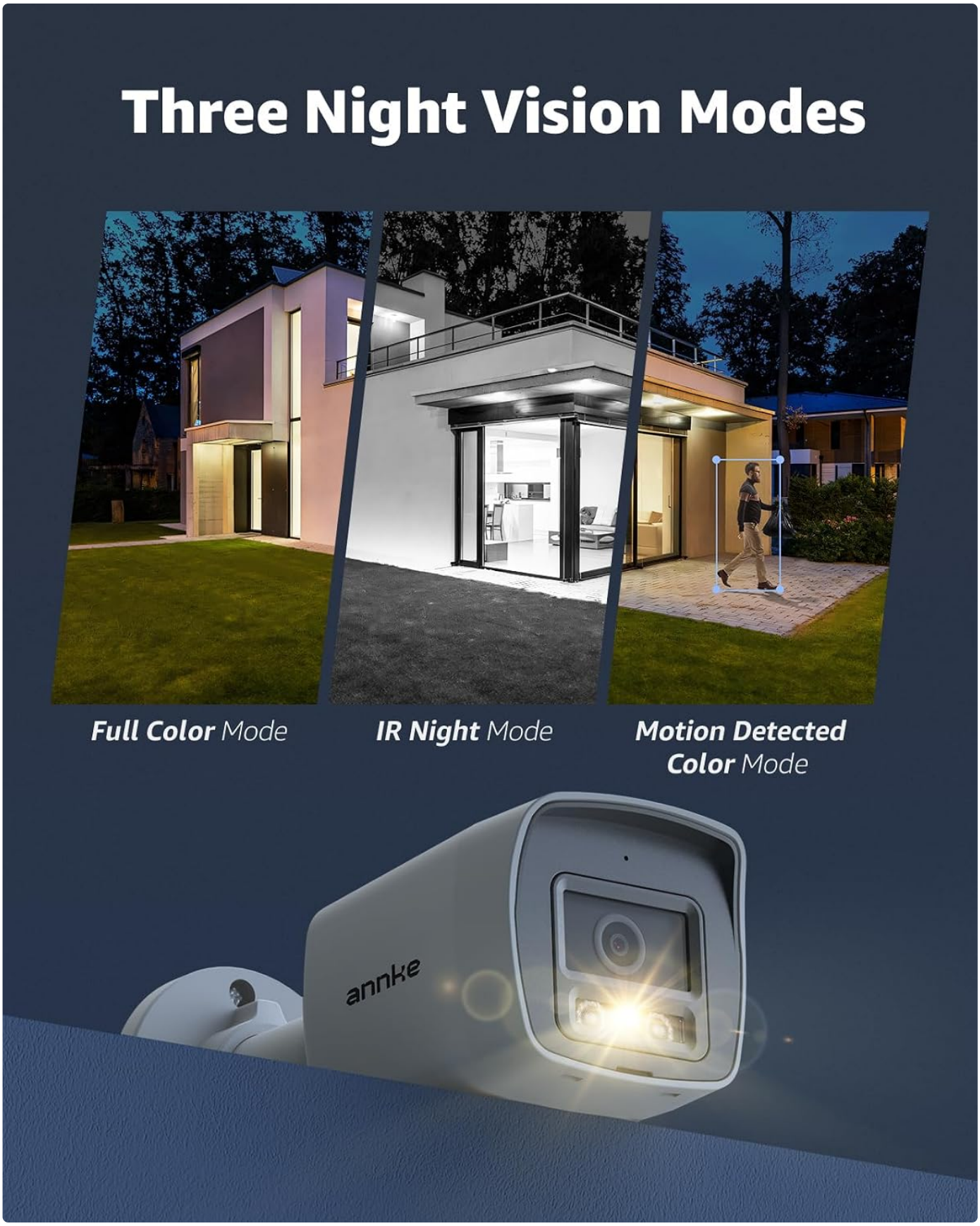


Image 3.2: Illustration of the three night vision modes.

3.3. AI Human & Vehicle Detection

The 12MP PoE IP cameras incorporate AI for precise human and vehicle detection, aiming to reduce false alarms. This intelligent detection triggers alerts and can activate color night vision. Privacy masking is also available to exclude sensitive areas from surveillance.

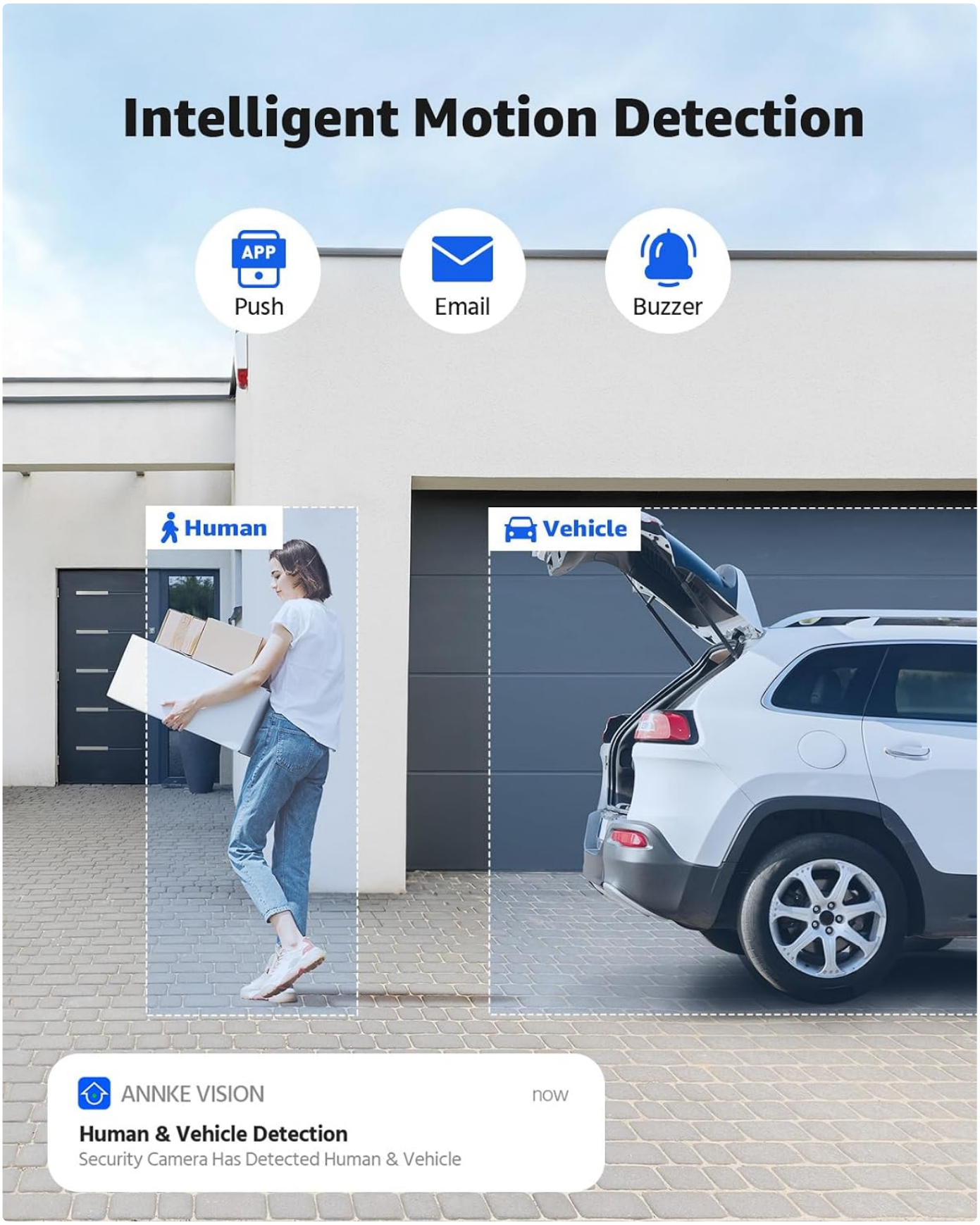


Image 3.3: Example of AI Human & Vehicle Detection in action.

3.4. Remote Access

The system supports remote viewing and control via the ANNKE Vision App on phones and tablets, as well as through web browsers or the Guarding Vision client on PCs. This allows users to access live feeds and receive timely alerts from any location.



Image 3.4: Remote access to the security system via various devices.

3.5. Smart Search & Playback

The NVR's smart search and playback features facilitate locating specific events within recorded footage, allowing for quick retrieval of important clips.

3.6. H.265+ Video Compression

The system utilizes H.265+ video compression technology, which significantly reduces storage space and bandwidth requirements compared to older H.264 compression, allowing for extended recording times.

Image 3.5: H.265+ video compression efficiency.

3.7. IP67 Weatherproof Cameras

The cameras are constructed with ABS plastic and metal housing, rated IP67 for weather resistance, making them suitable for both indoor and outdoor installation.



Image 3.6: IP67 Weatherproof camera design.

4. Setup Instructions

4.1. NVR Connection

1. **Connect to Power:** Plug the NVR's power adapter into the NVR and a power outlet.
2. **Connect to Monitor:** Use the included HDMI cable to connect the NVR's HDMI output to a monitor or TV. Alternatively, use a VGA cable if your monitor supports it.
3. **Connect USB Mouse:** Plug the USB mouse into one of the NVR's USB ports.
4. **Connect to Network (Optional for Remote Access):** Connect the NVR's LAN port to your router using the provided network cable for remote viewing capabilities.



Image 4.1: NVR rear panel connections.

4.2. Camera Installation and Connection

1. **Mount Cameras:** Choose suitable locations for your cameras, ensuring optimal viewing angles and coverage. Use the provided screw kits to securely mount the cameras.
2. **Connect PoE Cables:** Connect one end of the Cat5e Ethernet cables to the PoE ports on the NVR and the other end to the Ethernet ports on the cameras. The PoE technology provides both power and video signal through a single cable.

3. **Adjust Camera Angle:** Once mounted, adjust the camera's angle to cover the desired area. Note that these are fixed-lens cameras and do not support remote pan/tilt.

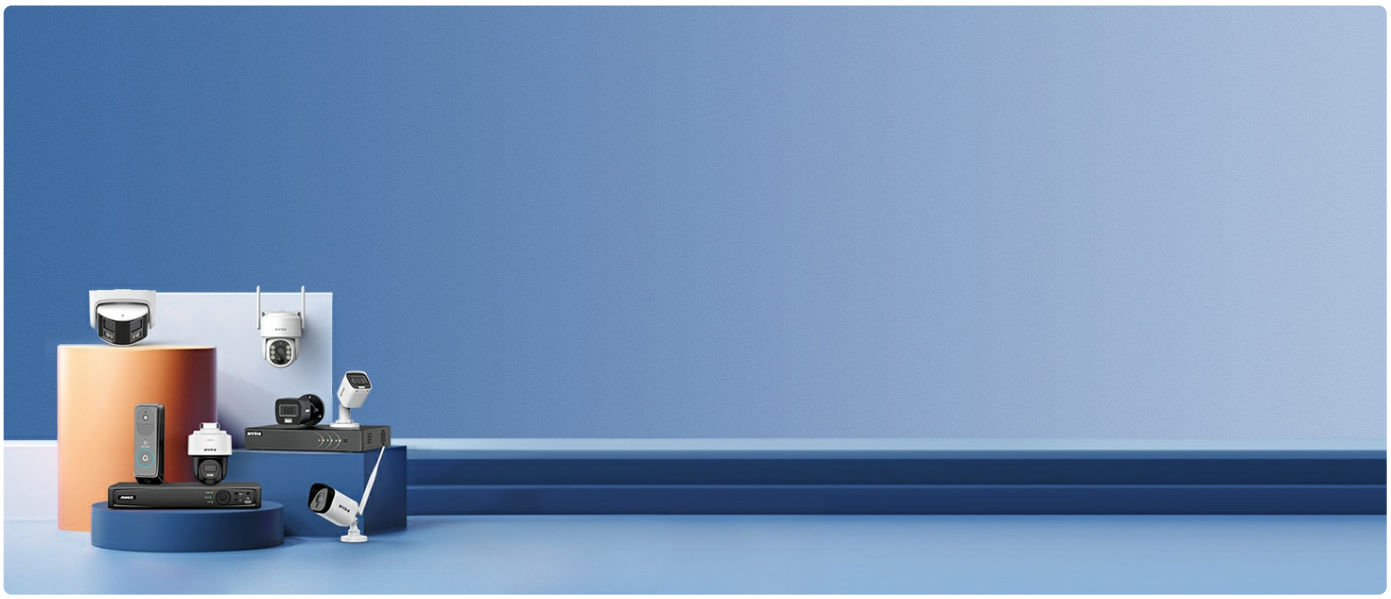


Image 4.2: Example of camera mounting and connection.

5. Operating Instructions

5.1. Initial Setup Wizard

Upon first power-up, the NVR will guide you through an initial setup wizard. Follow the on-screen prompts to:

- Create an administrator password.
- Configure network settings (DHCP is recommended for most users).
- Set date and time.
- Format the hard drive (if prompted and necessary).

5.2. Live View

After setup, the NVR will display the live view from all connected cameras on your monitor. You can use the USB mouse to navigate the interface, switch between camera views, and access menus.

5.3. Recording

The NVR is pre-configured for continuous recording. You can adjust recording schedules and modes (e.g., motion-triggered recording) through the NVR's menu system. Refer to the on-screen help or the detailed digital manual for specific steps.

5.4. Playback

To review recorded footage:

1. Access the 'Playback' menu from the NVR's main interface.
2. Select the desired camera(s) and date/time range.
3. Utilize the 'Smart Search' function to quickly find events triggered by human or vehicle detection.

5.5. Remote Access via ANNKE Vision App

To access your system remotely:

1. Download the 'ANNKE Vision' app from your smartphone's app store.
2. Create an account and log in.
3. Add your NVR by scanning the QR code displayed on the NVR's monitor (found in the network settings) or by manually entering its serial number.
4. Once added, you can view live feeds, play back recordings, and receive push notifications for detected events.

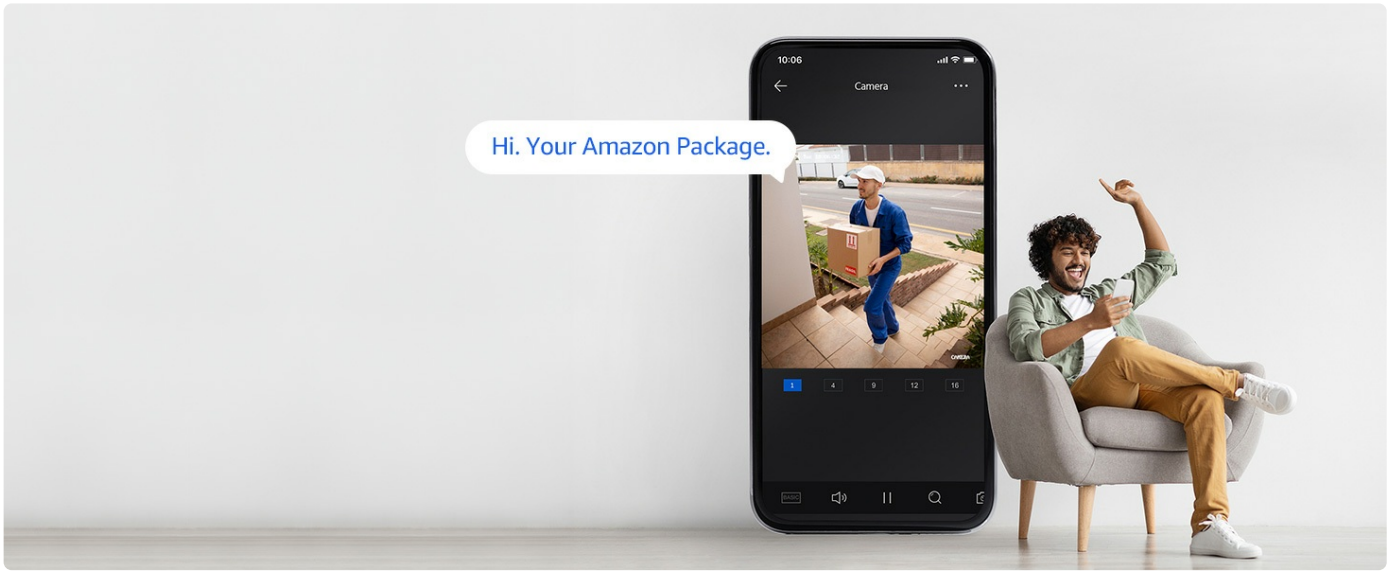


Image 5.1: Remote access and notifications via the ANNKE Vision App.

6. Maintenance

6.1. Camera Cleaning

Periodically clean the camera lenses with a soft, damp cloth to ensure clear image quality. Avoid abrasive cleaners that could scratch the lens.

6.2. Firmware Updates

Check the ANNKE official website for firmware updates for your NVR and cameras. Keeping your system updated ensures optimal performance, security, and access to new features. Follow the instructions provided with the firmware update carefully.

6.3. Hard Drive Management

The 2TB hard drive is designed for continuous recording. When the drive is full, the NVR will typically overwrite the oldest footage. Regularly back up important footage to an external USB drive if needed. You can configure hard drive settings through the NVR's menu.

7. Troubleshooting

7.1. No Video Signal from Camera

- **Check Cable Connections:** Ensure the PoE Ethernet cable is securely connected at both the camera and NVR ends.
- **Verify PoE Port:** Confirm the camera is connected to a functioning PoE port on the NVR.
- **Power Cycle:** Disconnect and reconnect the NVR's power adapter.
- **Test with Another Port/Cable:** Try connecting the camera to a different PoE port or using a different Ethernet cable.

7.2. Remote Access Not Working

- **Network Connection:** Ensure the NVR is connected to your router and has internet access. Check the network status in the NVR's settings.
- **App Login:** Verify you are logged into the ANNKE Vision app with the correct credentials.
- **NVR Added to App:** Confirm the NVR has been successfully added to your ANNKE Vision account.
- **Firewall/Router Settings:** In some cases, router firewall settings might block access. Consult your router's manual or ANNKE support for port forwarding or UPnP configuration.

7.3. False Motion Detections

- **Adjust Sensitivity:** Reduce the motion detection sensitivity in the NVR's camera settings.
- **Configure Detection Zones:** Define specific areas within the camera's view for motion detection, excluding areas with frequent irrelevant movement (e.g., trees swaying).
- **Utilize AI Detection:** Ensure AI Human & Vehicle Detection is enabled to filter out non-human/vehicle movements.

8. Specifications

Feature	Specification
Brand	ANNKE
Model Number	N48PAW-91DD
Connectivity Technology	Wired (PoE)
Video Capture Resolution	12MP (4096*3072)
Special Features	Audio Recording, Human Detection, Night Vision, Smart Playback, Vehicle Detection
Number of Channels	8
Memory Storage Capacity	2 TB (NVR)
Color	White&Black
Power Source	PoE
Item Dimensions (L x W x H)	17.72 x 12.2 x 10.24 inches
Compatible Devices	Cameras

Low Light Technology	Night Vision
Focal Length	2.8 millimeters
Night Vision Range	30 Meters (100 ft)
Frame Rate	10fps@4096*3072, 15fps@(3840*2160, etc.)
Recording Mode	HD video
Total USB Ports	2
Hardware Interface	Ethernet
Lens Type	Fixed Focal Length (2.8 mm)
Video Input	RJ45
Viewing Angle	134 Degrees

9. Support & Warranty

ANNKE is committed to providing excellent customer service and support for its products.

9.1. Technical Support

ANNKE offers lifetime technical support for its products. If you encounter any issues or have questions regarding your ANNKE H1200 system, please contact ANNKE customer support. Contact information can typically be found on the ANNKE official website or in the included documentation.

9.2. After-Sale Support

The brand provides comprehensive after-sale support to address any concerns or service needs you may have with your security system.

9.3. Warranty Information

Specific warranty details are typically provided with your product documentation. Please refer to the warranty card or the ANNKE official website for the most current and detailed warranty policy.

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