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ANNKE H800

ANNKE 4K PoE Security Camera System H800 Series User Manual

Model: H800

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your ANNKE 4K PoE Security Camera System. This system is designed for comprehensive surveillance, offering high-resolution video recording and smart detection features for both home and business environments. Please read this manual thoroughly before using the product to ensure proper setup and functionality.

Image 1.1: ANNKE 4K PoE Security Camera System components including NVR and 12 dome cameras.

2. Package Contents

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

- 1x 16-Channel 8MP PoE NVR (with 4TB HDD pre-installed)
- 12x 8MP IP PoE Dome Cameras
- 6x 30m/100ft Network Cables
- 6x 18m/60ft Network Cables
- 1x Power Adapter for NVR (DC48V)
- 1x 5.9ft/1.8m HDMI Cable
- 1x 3.2ft/1m Ethernet Cable
- 1x USB Mouse
- 1x Quick Instruction Guide
- 1x Wall Sticker
- 12x Screws for camera mounting

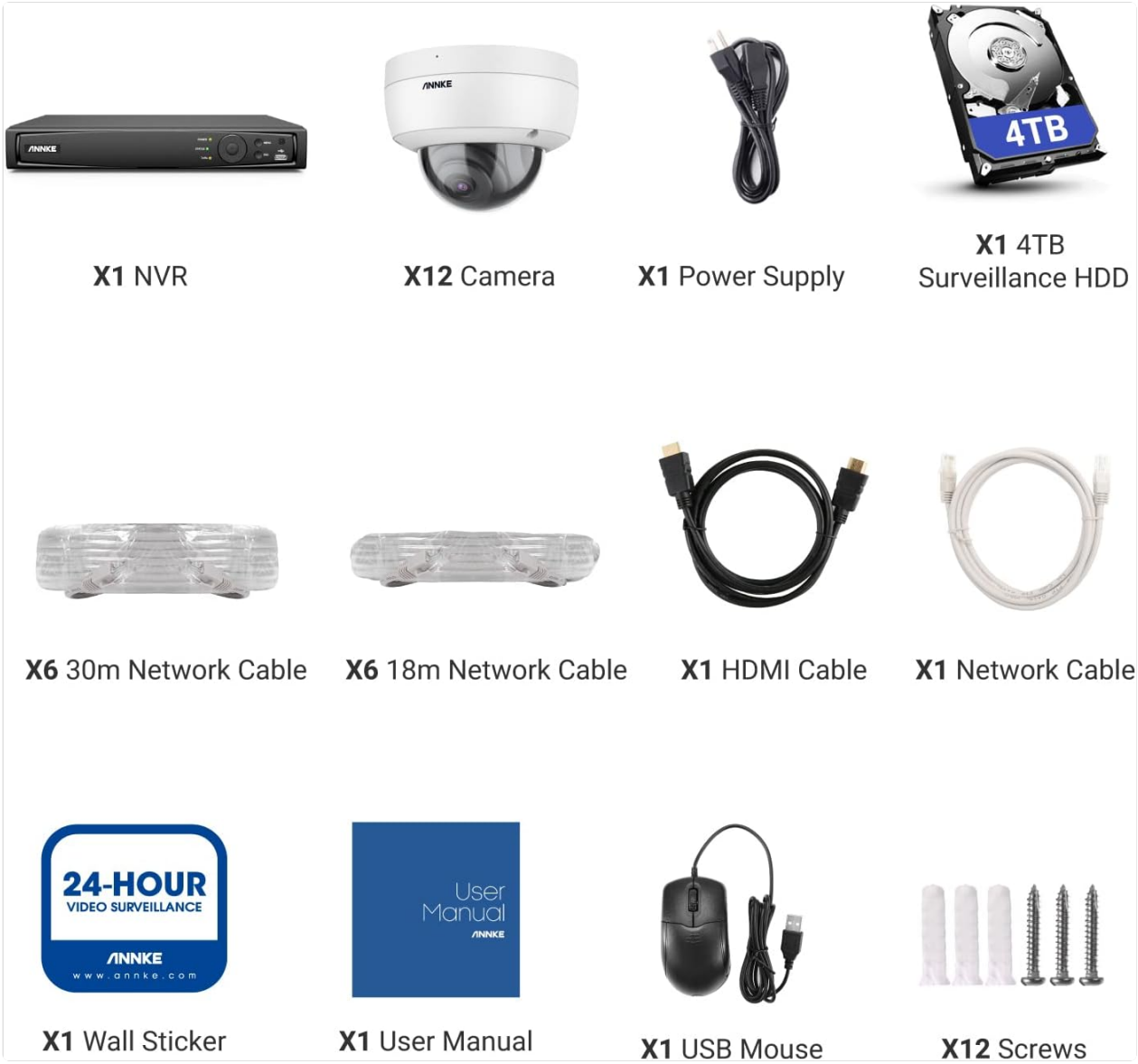

Image 2.1: Visual representation of all items included in the ANNKE 4K PoE Security Camera System package.

3. Key Features

- **Ultra HD 4K Resolution:** Equipped with 8MP image sensors, delivering video footage with four times the pixels of 1080p, allowing for enhanced detail upon digital zoom.
- **PoE (Power over Ethernet) Connectivity:** Simplifies installation by transmitting both data and power through a single network cable, eliminating the need for separate power adapters for cameras.
- **Person and Vehicle Detection:** Advanced algorithms differentiate between human and vehicle movement, reducing false alarms.
- **H.265+ Video Compression:** Efficiently saves up to 75% of storage space compared to H.264, optimizing HDD usage for longer recording times.
- **24/7 Continuous Recording:** The included 4TB surveillance-grade HDD is engineered for constant operation, supporting simultaneous recording from all 16 channels.
- **Remote Access via ANNKE Vision App:** Free mobile application for Android and iOS devices enables live viewing, snapshots, video recording, and push notifications with event images.
- **Customizable Motion Detection Areas:** Define specific zones for motion detection to focus on critical areas and minimize irrelevant alerts.
- **IP67 Weatherproof Cameras:** Cameras feature a robust metal and ABS housing, providing protection

against extreme weather conditions with an operating temperature range of -22°F to 140°F.

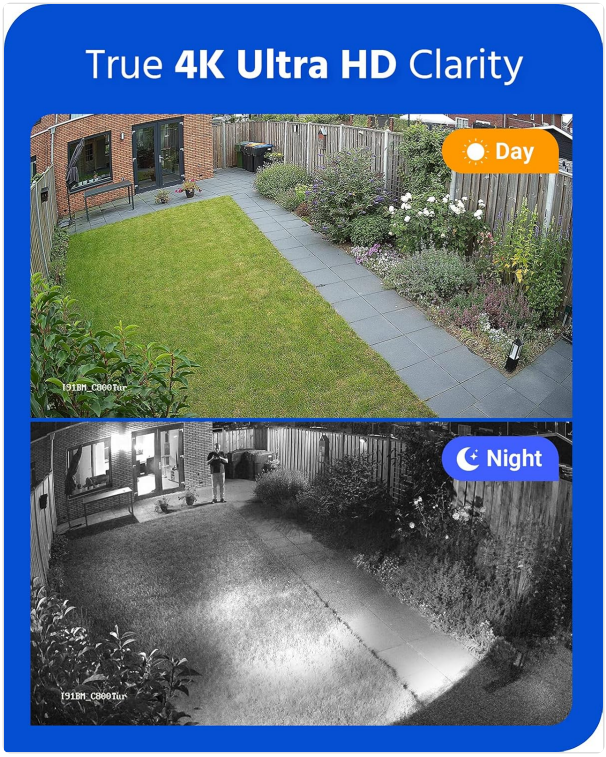

Image 3.1: Day and night vision clarity with 4K resolution.

Image 3.2: Simplified installation with PoE technology.

Image 3.3: ANNKE Vision App for remote monitoring.

Image 3.4: Various 24/7 monitoring and recording options.

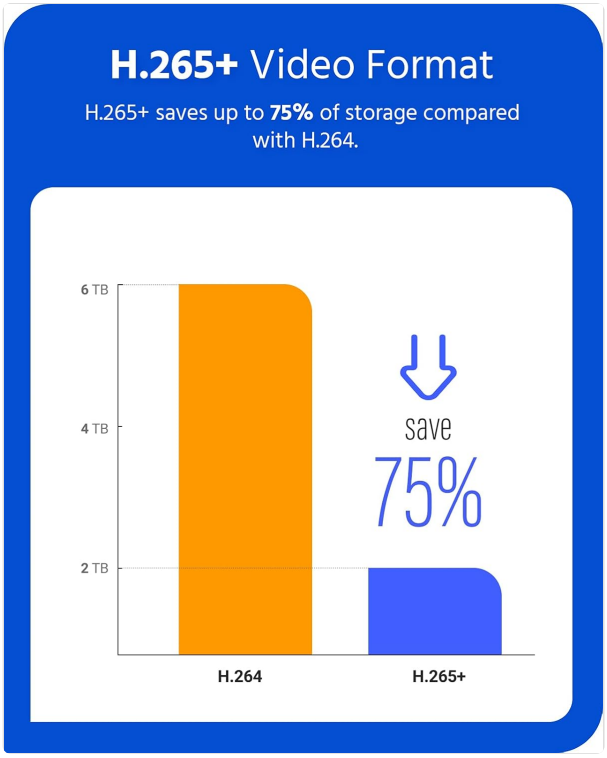

Image 3.5: H.265+ video compression efficiency.

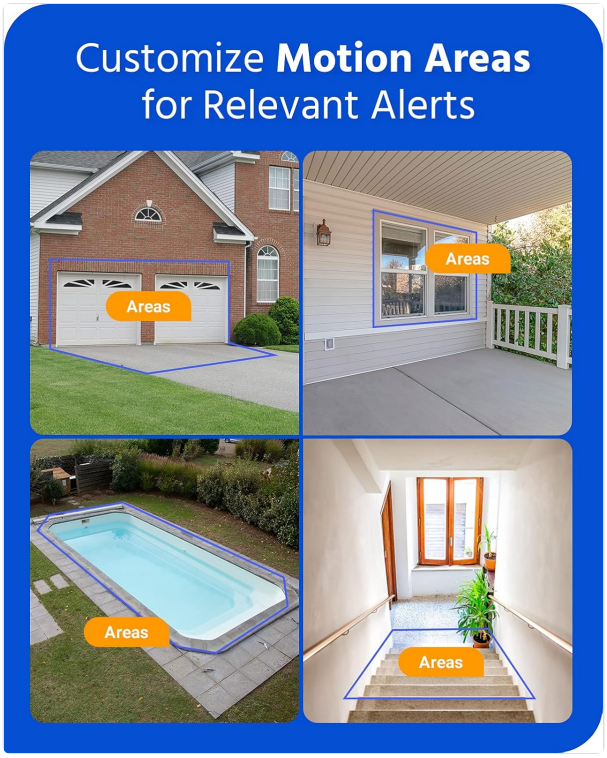

Image 3.6: Customizing motion detection areas.

Image 3.7: IP67 weatherproof and wide operating temperature range.

4. Setup Guide

Follow these steps to set up your ANNKE 4K PoE Security Camera System.

4.1 NVR Initial Setup

1. **Connect Monitor:** Connect the NVR to a monitor using the provided HDMI cable or a VGA cable (not included).
2. **Connect Mouse:** Plug the USB mouse into one of the NVR's USB ports.
3. **Connect Network:** Connect the NVR to your router using the Ethernet cable for internet access and remote viewing capabilities.
4. **Power On:** Connect the NVR power adapter to the NVR and then to a power outlet. The NVR will power on automatically.
5. **Initial Configuration:** Follow the on-screen wizard to set up basic settings such as language, date/time, and create a strong password for the NVR.

4.2 Camera Installation and Connection

The ANNKE PoE system utilizes Power over Ethernet, simplifying camera installation.

1. **Mount Cameras:** Choose suitable locations for your cameras, ensuring optimal viewing angles and coverage. Use the provided screws to securely mount the cameras.
2. **Connect PoE Cables:** Connect one end of the network cable to the camera's PoE port and the other end to an available PoE port on the NVR. The cameras will receive both power and data through this single cable.
3. **Verify Connection:** Once connected, the cameras should automatically be detected and display video on the connected monitor.

4.3 ANNKE Vision App Setup

For remote access and mobile monitoring, download and configure the ANNKE Vision App.

1. **Download App:** Search for 'ANNKE Vision' in the Apple App Store (iOS) or Google Play Store (Android) and install it.
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 typically scan the QR code displayed on your NVR's monitor (under Network settings) or manually enter the NVR's serial number.
4. **Live View:** Once added, you can access live video feeds from your cameras, view recordings, and receive notifications directly on your smartphone.

5. Operating Instructions

This section covers the basic operation of your ANNKE Security Camera System.

5.1 Live View

After successful setup, you can view live footage from your cameras:

- **On Monitor:** The NVR will display a multi-channel live view on the connected monitor. Use the USB mouse to navigate the interface.
- **Via ANNKE Vision App:** Open the app on your smartphone or tablet, select your NVR, and tap on the desired camera feed for live viewing.
- **Via Web Browser:** Access the NVR's web interface by entering its IP address into a web browser on a computer connected to the same network.

5.2 Recording Modes

The NVR supports various recording modes:

- **Continuous Recording:** Records 24/7 without interruption. Configurable via NVR settings.
- **Motion Detection Recording:** Records only when motion is detected in the configured areas.
- **Scheduled Recording:** Records during specific time periods set by the user.
- **Event Recording:** Records triggered by specific events like person/vehicle detection.

These modes can be configured through the NVR's menu system (right-click with the mouse on the monitor) or via the ANNKE Vision App/web interface.

5.3 Playback

To review recorded footage:

- **On NVR:** From the NVR's main menu, select 'Playback'. Choose the camera(s), date, and time range to review.
- **Via ANNKE Vision App:** In the app, select your NVR, then navigate to the playback section. Select the desired camera and timeline to view recordings.

5.4 Smart Detection (Person/Vehicle)

Configure smart detection features to receive more accurate alerts:

1. **Access Settings:** Navigate to the 'Event' or 'Smart Analysis' section in the NVR menu or app settings.
2. **Enable Detection:** Activate 'Person Detection' and/or 'Vehicle Detection' for specific cameras.

3. **Configure Areas:** Draw specific detection zones on the camera's view to define where the system should look for persons or vehicles.
4. **Set Actions:** Choose actions to be taken upon detection, such as recording, sending push notifications, or triggering an audible alarm.

6. Maintenance

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

6.1 Cleaning Cameras

- Gently wipe the camera lens and housing with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- Ensure the lens is free from dust, dirt, or spiderwebs for clear image quality.

6.2 Firmware Updates

- Periodically check the ANNKE website or the NVR's system settings for available firmware updates.
- Firmware updates can improve system stability, add new features, and enhance security. Follow the provided instructions carefully when performing updates.

6.3 Hard Drive Management

- The 4TB HDD is configured for continuous recording with overwrite functionality, meaning older footage is automatically deleted to make space for new recordings.
- You can check the HDD status and remaining capacity in the NVR's storage settings.

7. Troubleshooting

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

7.1 No Video Display

- **Check Power:** Ensure the NVR is powered on and the power adapter is securely connected.
- **Monitor Connection:** Verify the HDMI/VGA cable connection between the NVR and the monitor. Try a different cable or monitor if possible.
- **Camera Connection:** Ensure all PoE cables are securely connected to both the cameras and the NVR's PoE ports. Check for any damaged cables.
- **NVR Output Resolution:** If the monitor shows 'Out of Range', the NVR's output resolution might be too high for the monitor. Connect the NVR to a different monitor or try resetting the NVR's display settings (refer to the quick guide for specific steps).

7.2 No Remote Access

- **Network Connection:** Ensure the NVR is connected to your router via an Ethernet cable and has internet access. Check the network status in the NVR settings.
- **App Login:** Verify you are logged into the ANNKE Vision App with the correct account.
- **Device Status:** In the app, check if the NVR device is online. If offline, troubleshoot the NVR's network connection.
- **Firewall/Router Settings:** Ensure your router's firewall is not blocking the NVR's connection. Port forwarding might be required in some complex network setups (consult your router's manual or ISP).

7.3 Recording Issues

- **HDD Status:** Check the HDD status in the NVR's storage settings. Ensure it is detected and healthy.
- **Recording Schedule:** Verify that the recording schedule is correctly configured for the desired cameras and times.
- **Motion Detection Settings:** If using motion detection, ensure it is enabled and the sensitivity and detection areas are properly set.

For further assistance, please refer to the ANNKE support website or contact customer service.

8. Specifications

Feature	Specification
Brand	ANNKE
Model Number	AU-N46PCK4-V2-9CBN-V3#USH1 (H800 Series)
Connectivity Technology	Wired (PoE)
Special Features	Image Sensor, Person Detection, Vehicle Detection, Night Vision
NVR Channels	16-Channel
Camera Resolution	8MP (4K Ultra HD)
Video Compression	H.265+
Storage Capacity	4TB HDD (Surveillance-grade)
Power Source	Corded Electric (NVR), Power over Ethernet (Cameras)
Camera Weatherproof Rating	IP67
Operating Temperature	-22°F to 140°F (-30°C to 60°C)
NVR Video Output	HDMI (up to 4K), VGA (up to 1080p)
Product Dimensions (NVR)	20.87 x 19.29 x 11.81 inches (approximate)
Date First Available	April 24, 2022

9. Warranty and Support

ANNKE products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please visit the official ANNKE website or contact their customer support team directly. Ensure you have your product model number (H800) and purchase details available when seeking support.
ANNKE Official Website: www.annke.com

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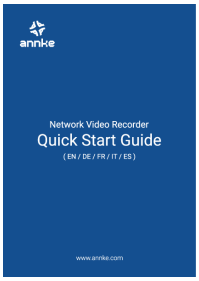
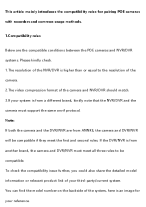
Related Documents - H800

	ANNKE Network Video Recorder User Manual Comprehensive user manual for the ANNKE Network Video Recorder (NVR), providing detailed instructions on setup, operation, configuration, remote access, and troubleshooting.
	ANNKE NVR User Manual This user manual provides comprehensive instructions for setting up, operating, and troubleshooting ANNKE Network Video Recorders (NVRs). It covers front and rear panel descriptions, connections, hard disk installation, menu operations, remote access via mobile and PC, software downloads, and frequently asked questions.
	Annke Network Video Recorder Quick Start Guide | Setup & Installation Get started quickly with the Annke Network Video Recorder (NVR). This comprehensive quick start guide covers setup, connection, configuration, and safety for your Annke surveillance system.
	ANNKE Quick Start Guide for Security Cameras Comprehensive quick start guide for ANNKE security cameras, covering connection diagrams, app setup via Annke Sight, NVR integration, installation steps, and regulatory information.
	ANNKE POE Camera Compatibility and Usage Guide A comprehensive guide detailing compatibility rules for ANNKE POE cameras with NVR/DVR systems, standalone usage instructions, and connection methods for various ANNKE and third-party devices.
	ANNKE I91BH/I91BI IP Camera User Manual - Setup, Operation, and Troubleshooting Comprehensive user manual for ANNKE I91BH and I91BI IP cameras. Learn about installation, connection methods, browser and app operation, NVR integration, RTSP protocol, and safety guidelines.