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ANNKE N44PAM-51DS

ANNKE 5MP Home Security Camera System N44PAM-51DS User Manual

Brand: ANNKE | **Model:** N44PAM-51DS

1. PRODUCT OVERVIEW

The ANNKE 5MP Home Security Camera System N44PAM-51DS provides comprehensive surveillance with a 12MP H.265+ Network Video Recorder (NVR) and two 5MP 3K PoE IP Turret Cameras. This system features advanced human and vehicle detection, IP67 weatherproofing, and color night vision capabilities, ensuring reliable 24/7 recording and monitoring.

2. WHAT'S IN THE Box

Before beginning installation, please verify that all components listed below are included in your package:

- 1x 8-Channel 12MP NVR with 8TB HDD
- 2x 3K PoE Cameras with Mounting Screw Bags
- 1x USB Mouse
- 1x Power Adapter (for NVR)
- 1x 30m Ethernet Cable
- 1x 18m Ethernet Cable
- 1x 1m Network Cable
- 1x 1.8m HDMI Cable
- 1x User Manual
- 1x Wall Sticker



X1 NVR



X2 Camera



X1 Power Adapter



X1 USB Mouse



X1 30m Network Cable



X1 18m Network Cable



X1 HDMI Cable



X1 Network Cable



X1 Wall Sticker



X1 User Manual



X2 Screw



X1 Surveillance HDD

Image: All components included in the ANNKE 5MP Home Security Camera System package.

3. SETUP INSTRUCTIONS

3.1 NVR Initial Setup

- Connect Power:** Plug the provided power adapter into the NVR and then into a power outlet.
- Connect Monitor:** Use the HDMI cable to connect the NVR to a monitor or TV for display. Alternatively, use a VGA cable if your monitor supports it.
- Connect Mouse:** Plug the USB mouse into one of the NVR's USB ports for navigation.
- Network Connection:** Connect the NVR to your router using the provided network cable for internet access and remote viewing capabilities.

3.2 Camera Installation (PoE)

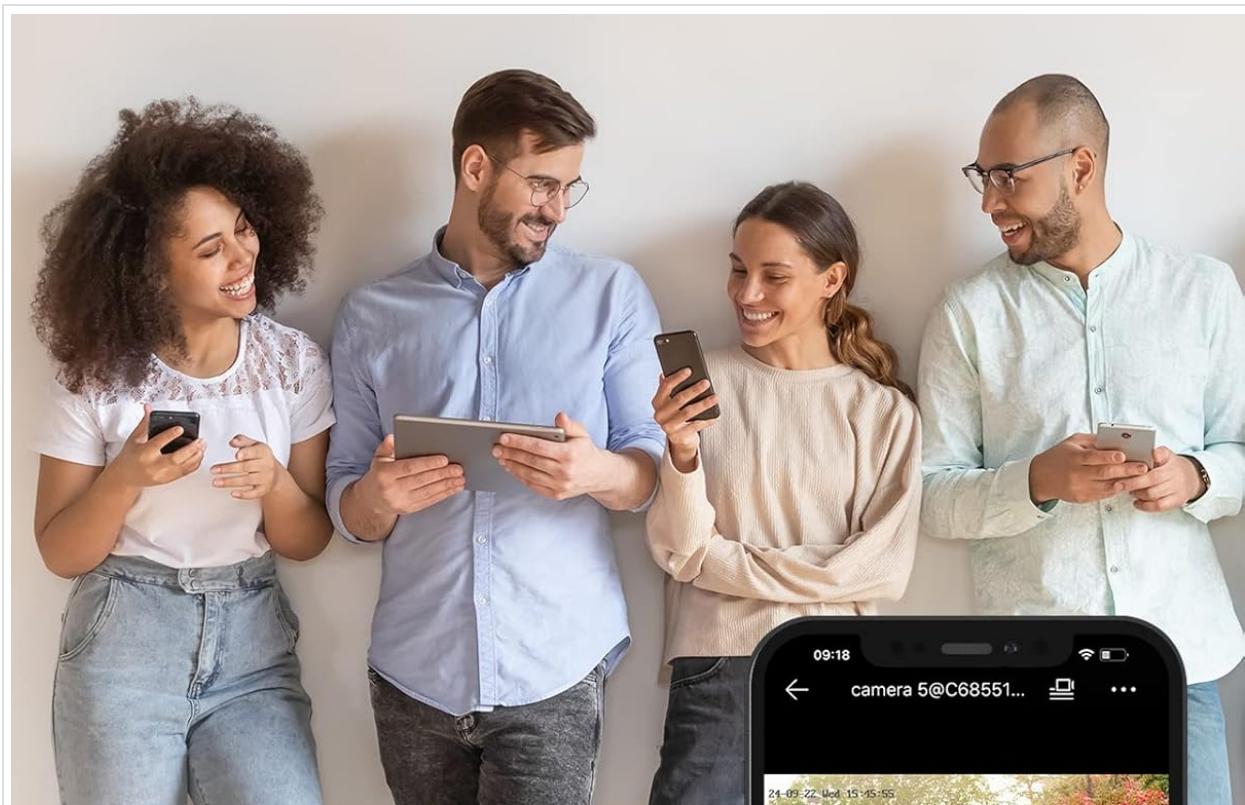
The ANNKE PoE cameras simplify installation by using a single Ethernet cable for both power and data transmission.

- Mounting Location:** Choose a suitable location for each camera, considering the desired viewing angle and coverage. Ensure the location is within reach of an Ethernet cable connection to the NVR. The cameras are IP67 weatherproof, suitable for both indoor and outdoor use.
- Secure Mounting:** Use the provided mounting screw bags to securely attach the cameras to the chosen surface.

3. **Connect Ethernet:** Connect one end of an Ethernet cable (30m or 18m provided) to the camera's PoE port and the other end to an available PoE port on the NVR. The camera will power on automatically.

3.3 Remote Access Setup

To view your camera feeds remotely, download the ANNKE Vision app on your mobile device.



Easy Remote Access

Multiple Family Members Sharing

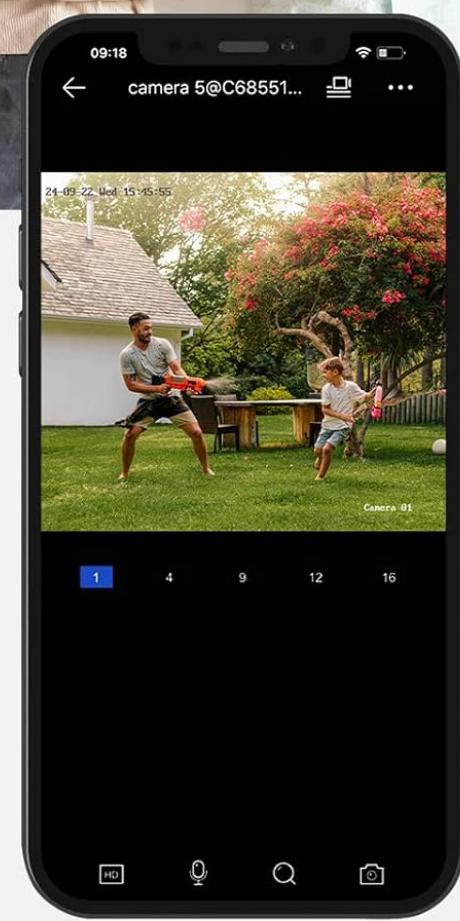


Image: Easy remote access via the ANNKE mobile application, available on App Store and Google Play.

1. **Download App:** Search for "ANNKE Vision" in the Apple App Store or Google Play Store and install it.
2. **Account Registration:** Open the app and register for a new account or log in if you already have one.
3. **Add Device:** Follow the in-app instructions to add your NVR system by scanning the QR code on the NVR or manually entering its details.

4. **Live View:** Once added, you can access live views, playback recordings, and manage settings from your mobile device.

4. OPERATING INSTRUCTIONS

4.1 Live View, Recording, and Playback

The NVR supports live viewing of all connected cameras, continuous recording, and playback of recorded footage. Use the connected mouse to navigate the NVR's on-screen interface.

- **Live View:** Select the desired camera channel to view its live feed.
- **Recording:** The system is configured for 24/7 recording by default to the included 8TB HDD. Recording settings can be customized via the NVR menu.
- **Playback:** Access the playback menu to review recorded footage by date and time.

4.2 Human & Vehicle Detection

The cameras feature advanced Human & Vehicle Detection 2.0, which helps reduce false alarms by distinguishing between human and vehicle movement and other environmental factors.

Human & Vehicle Detection 2.0

Drives AI into new era.



Image: Human and Vehicle Detection 2.0 in action, identifying specific objects for accurate alerts.

- **Configuration:** Detection settings can be configured through the NVR interface or the mobile app. You can define detection zones and sensitivity levels.
- **Alerts:** Receive push notifications on your mobile device when human or vehicle activity is detected.

4.3 Night Vision Capabilities

The 5MP cameras provide clear surveillance even in low-light conditions, featuring both standard IR night vision and advanced color night vision.

3K Sharpens Details



Image: Day and night comparison demonstrating the clarity and detail captured by the 3K cameras.

Phenomenal Day & Night Vision

3D DNR & 120DB WDR Optimization

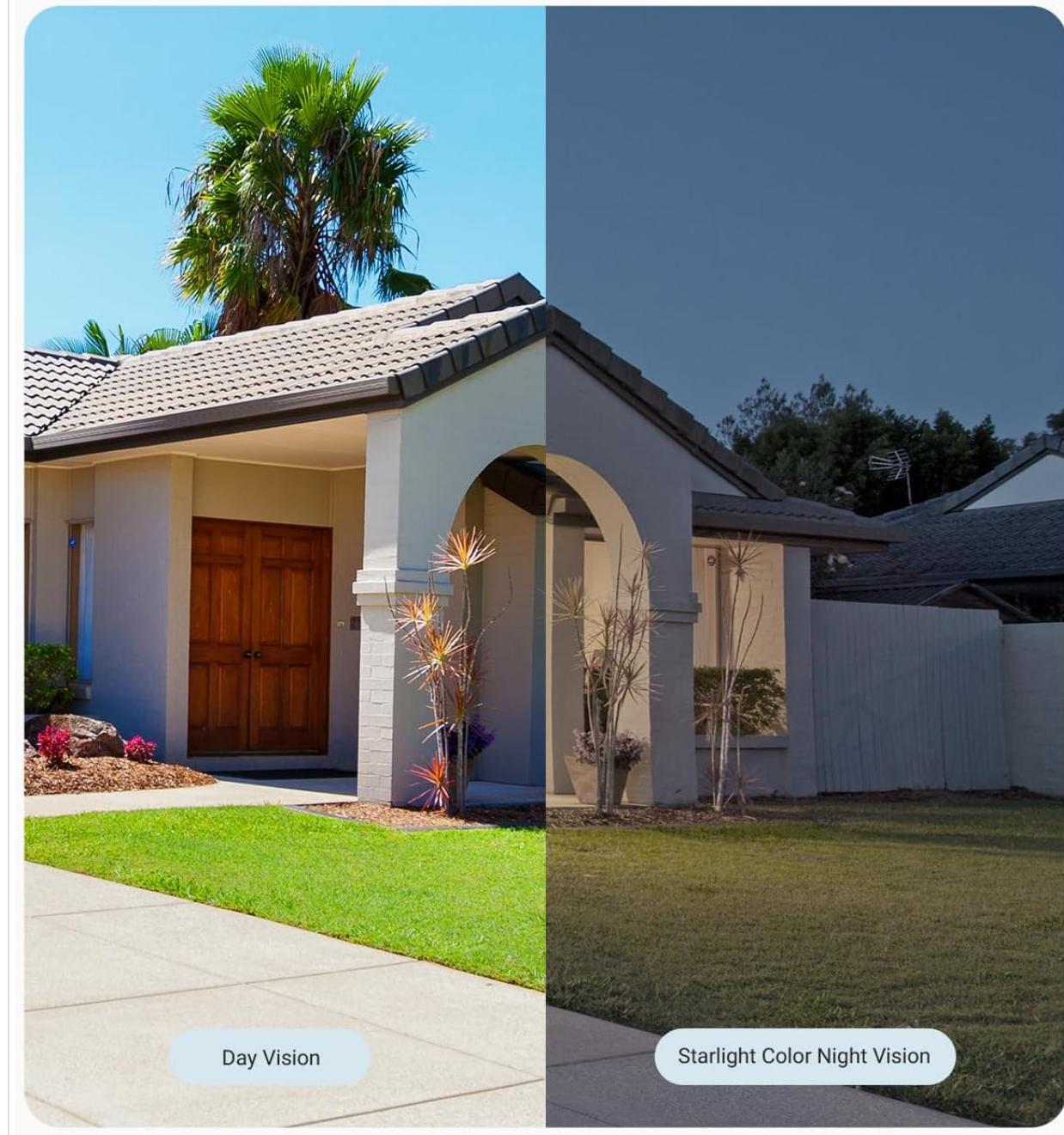


Image: Comparison of day vision and Starlight Color Night Vision, highlighting enhanced visibility in low light.

- **IR Night Vision:** Up to 100 ft (30m) distance for clear black and white footage in complete darkness.
- **Color Night Vision:** Utilizes advanced sensors and ambient light to provide full-color images at night, enhancing detail and identification.

4.4 Audio Recording

Each camera is equipped with a built-in microphone to record audio alongside video footage, providing a more complete surveillance record.

2.8MM Wide-Angle Lens



Image: The built-in microphone captures both video and sound, useful for events like package deliveries.

- **Enable Audio:** Ensure audio recording is enabled in the camera settings via the NVR or mobile app.
- **Playback Audio:** Audio will be synchronized with video during playback.

4.5 Storage Options

The system offers flexible storage solutions to ensure your footage is always saved.

- **NVR with 8TB HDD:** The included 8TB hard disk drive provides ample storage for continuous 24/7 recording. The NVR supports up to 12MP resolution input.
- **Micro SD Card (Cameras):** Each camera supports a built-in microSD/SDHC/SDXC slot for local storage up to 256 GB (card not included). This can serve as a backup or primary storage for motion-triggered

events if not connected to the NVR.

5. MAINTENANCE

5.1 Weatherproofing and Durability

The cameras are designed for robust performance in various environmental conditions.

All-Weatherproof IP67



Image: The IP67 weatherproof rating ensures the camera operates reliably in extreme temperatures and various environments.

- **IP67 Rating:** The cameras are rated IP67, meaning they are fully protected against dust and can withstand immersion in water up to 1 meter for 30 minutes. This ensures reliable operation in rain, snow,

and dusty conditions.

- **Temperature Range:** The cameras operate effectively in temperatures ranging from -22 °F to 140 °F (-30 °C to 60 °C).

5.2 Cleaning and Care

- **Camera Lens:** Periodically clean the camera lens with a soft, damp cloth to ensure clear image quality. Avoid abrasive cleaners.
- **NVR Unit:** Keep the NVR unit in a well-ventilated area, free from dust and direct sunlight.

5.3 Firmware Updates

Regularly check the ANNKE official website for firmware updates for both the NVR and cameras. Firmware updates can improve performance, add new features, and enhance security.

6. TROUBLESHOOTING

If you encounter issues with your ANNKE security system, consider the following common troubleshooting steps:

- **No Power:** Ensure the NVR's power adapter is securely connected to both the NVR and a working power outlet. Check the power indicator light on the NVR.
- **No Video Output:** Verify that the HDMI/VGA cable is securely connected between the NVR and the monitor. Ensure the monitor is set to the correct input source.
- **Camera Not Displaying:** Check the Ethernet cable connection between the camera and the NVR's PoE port. Ensure the cable is not damaged. Try connecting the camera to a different PoE port on the NVR.
- **No Remote Access:** Confirm the NVR is connected to your router and has internet access. Check your mobile device's internet connection. Ensure the ANNKE Vision app is updated to the latest version.
- **Poor Image Quality:** Clean the camera lens. Ensure there are no obstructions in the camera's field of view. Adjust camera position if necessary.
- **False Alarms:** Adjust the sensitivity settings for human/vehicle detection in the NVR or app. Define specific detection zones to exclude irrelevant areas.

For more detailed troubleshooting guides or persistent issues, please refer to the ANNKE support website or contact customer service.

7. SPECIFICATIONS

7.1 NVR Specifications

Video Input	4-Channel PoE IP Video Input
Video Output	HDMI up to 4K (4096 × 2160), VGA up to 1080p (1920 × 1080)
Decoding Format	H.264+/H.264/H.265/H.265+
Max Resolution	Up to 12 MP
HDD Capacity	1 SATA Interface, up to 8 TB (8TB HDD Included)
USB Interface	USB 2.0*2
Operating Power	DC 48 V

PoE	4 RJ-45 10/100 Mbps, IEEE 802.3 af/at, Max 25.5 W for Single Port
Network Interface	1 RJ-45 10/100Mbps self-adaptive Ethernet interface
Dimensions	16.93 x 12.2 x 3.86 inches

7.2 Camera Specifications

Video Capture Resolution	5MP (3072*1728)
Image Sensor	1/3" Progressive Scan CMOS
Lens	4 mm
Angle of View	Horizontal FOV 76°, Vertical FOV 41°, Diagonal FOV 90°
Night Vision Distance	Up to 100 ft (30 m) with 2 pcs Infrared LEDs
Wide Dynamic Range	120 dB WDR
Audio Input	Built-in Microphone
Storage	Built-in microSD/SDHC/SDXC Slot, up to 256 GB
Weather Protection	IP67
Operating Temperature	-22 °F – 140 °F (-30 °C – 60 °C)

8. WARRANTY AND SUPPORT

8.1 Product Warranty

For detailed information regarding the product warranty, please refer to the warranty card included in your product packaging or visit the official ANNKE website. Warranty terms typically cover manufacturing defects and hardware malfunctions under normal use.

8.2 Customer Support

If you require technical assistance, have questions about installation, or need help with troubleshooting, please contact ANNKE customer support through their official website. Support resources often include FAQs, online guides, and direct contact options.