ANNKE N48PAW2-51DW-52DN

ANNKE PoE Security Camera System User Manual

Model: N48PAW2-51DW-52DN

1. Introduction

This manual provides comprehensive instructions for the ANNKE PoE Security Camera System, Model N48PAW2-51DW-52DN. This system includes an 8-channel Network Video Recorder (NVR) with a 2TB Hard Disk Drive (HDD), one 6MP dual-lens 180° CCTV camera, and two 5MP wired IP cameras. The system is designed for reliable 24/7 surveillance with smart motion detection and Power over Ethernet (PoE) technology for simplified installation.

2. Package Contents

Verify that all items listed below are included in your package:

- 1 x 8-Channel 8MP PoE NVR with 2TB Hard Drive
- 1 x 6MP Dual-Lens PoE Camera
- 2 x 5MP IP PoE Cameras
- 3 x 20m/66ft Network Cables
- 1 x Power Adapter for NVR (DC48V)
- 1 x 5.9ft/1.8m HDMI Cable
- 1 x 3.2ft/1m Ethernet Cable
- 1 x USB Mouse
- 1 x Quick Instruction Guide

3. System Setup

3.1 NVR Initial Connection

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 Ethernet cable for network access.
4. Connect the NVR power adapter to the NVR and then to a power outlet. The NVR will power on automatically.

3.2 Camera Installation

The cameras are designed for both indoor and outdoor use, featuring IP67 and IP66 weatherproof ratings, respectively. They are powered via Power over Ethernet (PoE), requiring only a single network cable for both power and data transmission.

- **Dual-Lens Camera:** This 6MP camera provides a 180-degree stitched view. Mount it in a location that benefits from its wide field of view, such as a large yard or driveway.
- **5MP IP Cameras:** These cameras offer 2.8MM wide-angle lenses and full-color night vision with spotlights. Position them to cover specific entry points or areas requiring detailed monitoring.

Installation Steps:

1. Select a suitable mounting location for each camera, ensuring optimal viewing angles and coverage.
2. Securely mount the cameras using appropriate hardware (not included, typically).
3. Connect one end of the network cable to the camera's PoE port.
4. Connect the other end of the network cable to an available PoE port on the NVR. The cameras will power on and connect automatically.

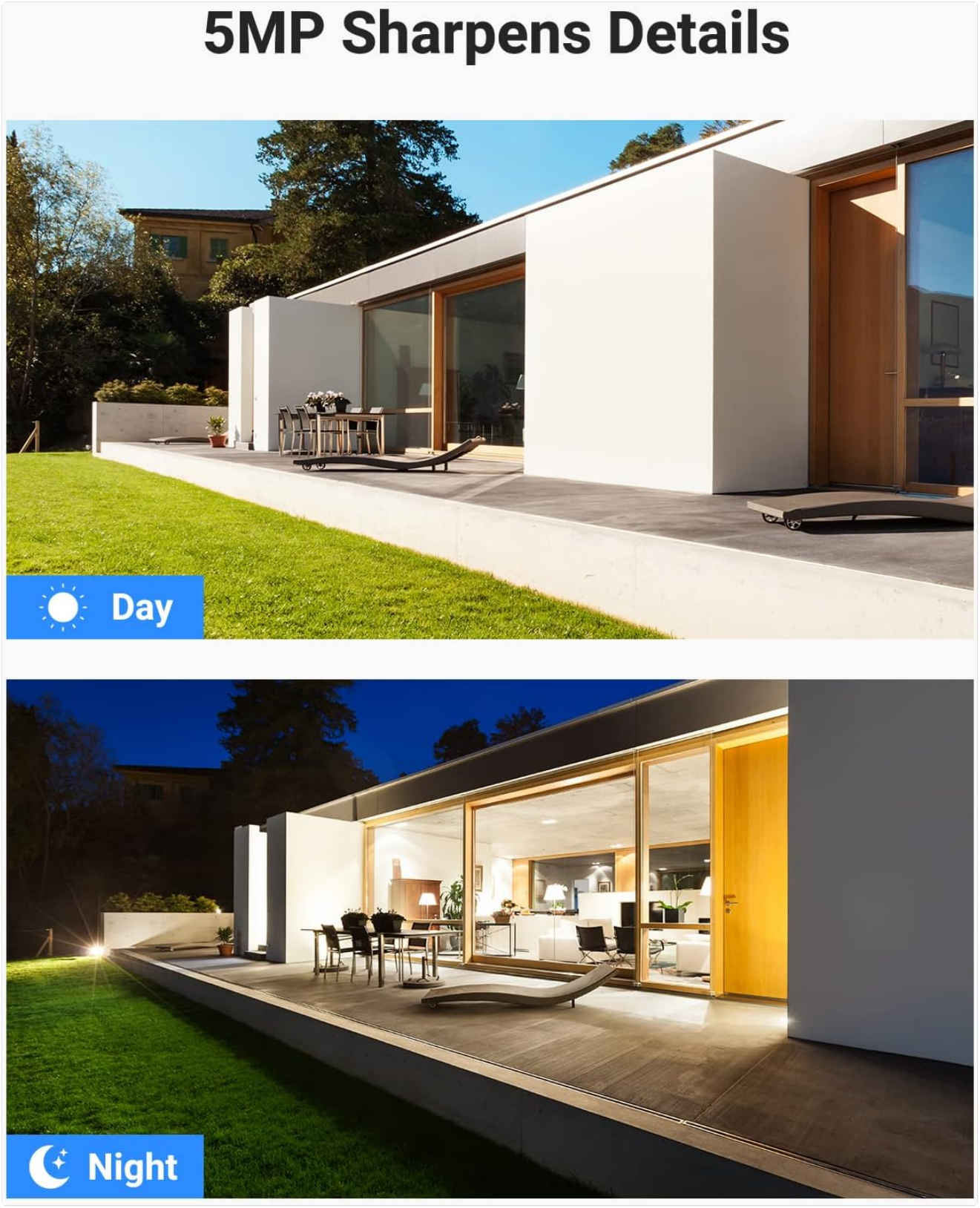


Image: The 6MP dual-lens camera, designed to capture a 180-degree panoramic view.



Image: A visual comparison demonstrating the 180-degree stitched width provided by the ANNKE dual-lens camera, showing a wider field of view than traditional cameras.



Image: An ANNKE dome camera submerged in water, illustrating its IP67 weatherproof rating.



Image: An ANNKE bullet camera mounted on a wall during rainfall, demonstrating its IP66 weatherproof capability.

4. Operating the System

4.1 Initial Configuration Wizard

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

- Set a strong password for the administrator account.
- Configure network settings (DHCP is recommended for most users).

- Set date and time.
- Format the pre-installed 2TB HDD if prompted.

4.2 Live View and Recording

Once configured, the NVR will display live feeds from all connected cameras. The system supports H.265+ video compression for efficient storage.

- **Continuous Recording:** The NVR is pre-configured for 24/7 continuous recording to the 2TB HDD.
- **Motion Detection Recording:** Configure specific channels for motion-triggered recording to save storage space and focus on events.
- **Smart Motion Detection:** The system features smart motion detection to reduce false alarms by distinguishing human and vehicle shapes.

4.3 Playback

Access recorded footage through the NVR's playback interface. You can search by date, time, and event type (e.g., motion detection).

4.4 Remote Access (ANNKE Vision App)

The ANNKE Vision App allows you to view live feeds, play back recordings, and receive alerts on your mobile device.

1. Download the ANNKE Vision App from your device's app store.
2. Create an account and log in.
3. Add your NVR to the app by scanning the QR code displayed on the NVR's monitor or by manually entering its serial number.
4. Once added, you can access your camera system remotely.

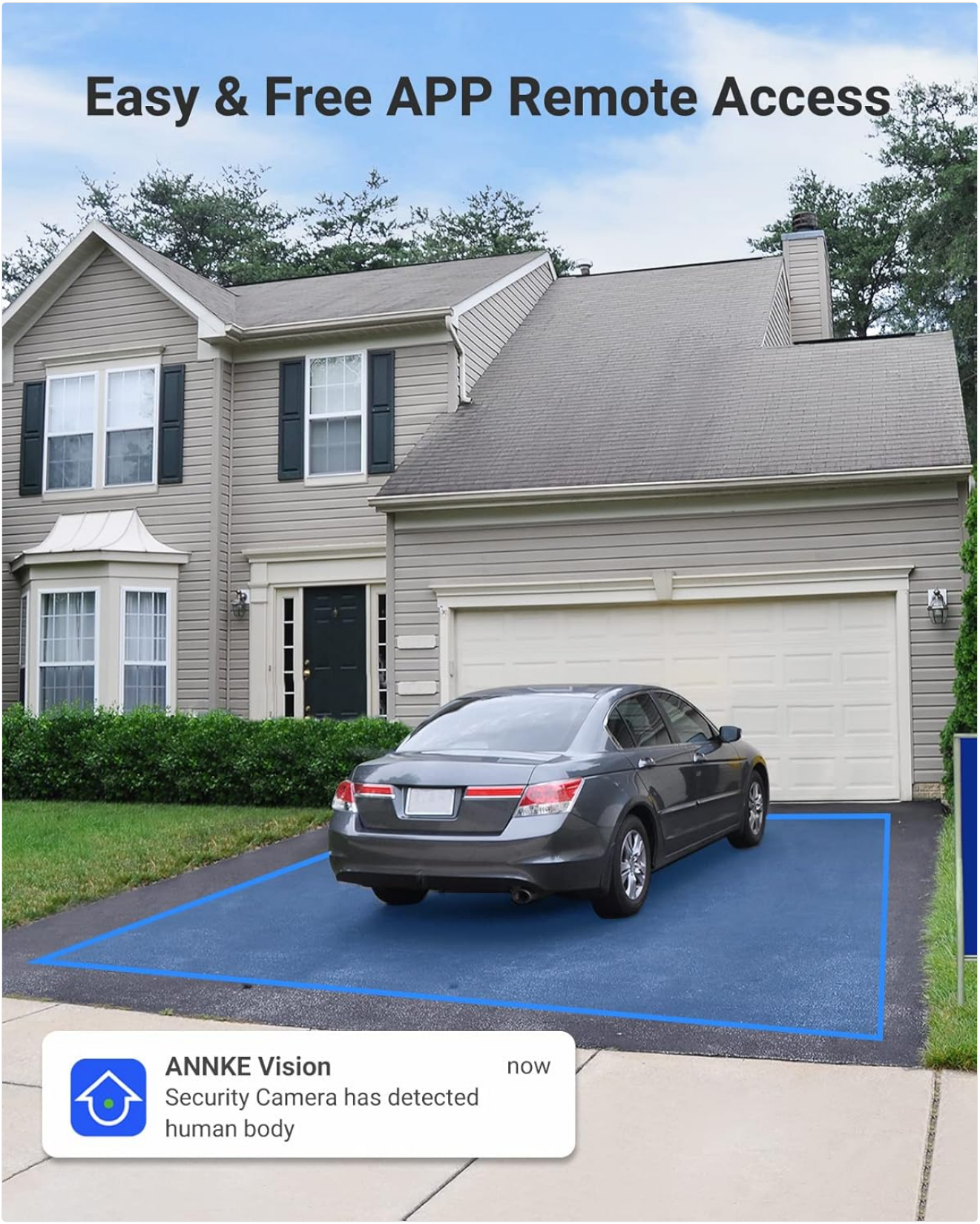


Image: A mobile phone screen displaying an ANNKE Vision App notification indicating a human body detection event within the camera's surveillance area.

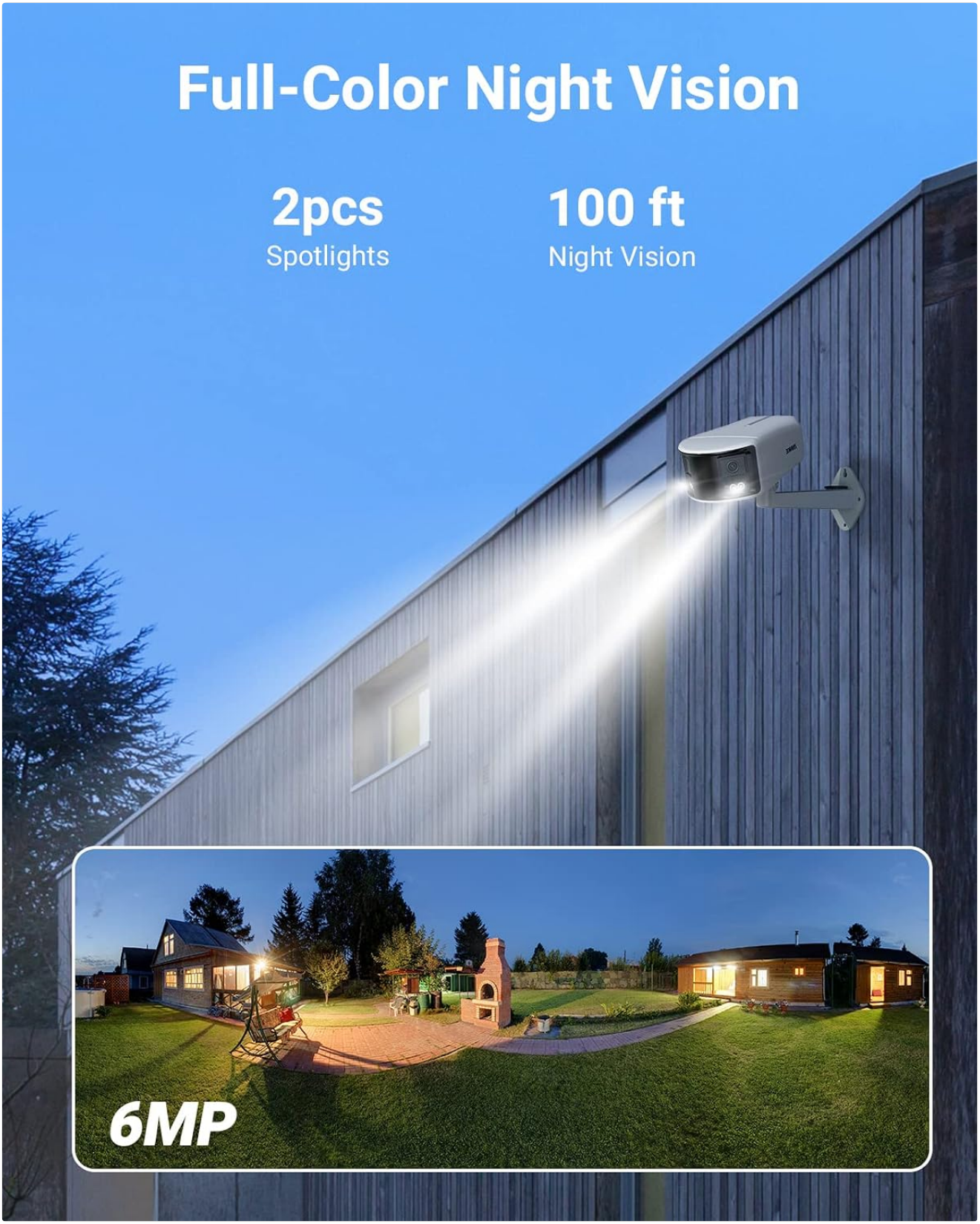


Image: An ANNKE camera mounted on a building, illuminating a wide outdoor area with its spotlights for full-color night vision, alongside a panoramic view of a property at night.



Image: A split image showing the same outdoor scene captured by a 5MP camera during the day and at night, highlighting the clarity and detail retained in both conditions.



Image: A diagram illustrating the wide coverage area provided by a 2.8MM wide-angle lens, showing its field of view over a residential driveway and garage.

5. Maintenance

5.1 Firmware Updates

Regularly check the ANNKE official website for firmware updates for your NVR and cameras. Firmware updates can improve system performance, add new features, and enhance security. Follow the instructions provided with the update package carefully.

5.2 Hard Drive Management

The NVR includes a 2TB HDD for continuous recording. When the HDD is full, the system will automatically overwrite the oldest footage. You can configure recording schedules and motion detection settings to optimize storage usage.

5.3 Cleaning

Periodically clean the camera lenses with a soft, damp cloth to ensure clear image quality. Ensure the NVR is kept in a well-ventilated area and free from dust accumulation.

6. Troubleshooting

- **No Video Display:**
  - Check all power connections for the NVR and ensure the monitor is correctly connected and powered on.
  - Verify that network cables are securely connected between cameras and the NVR.
  - Ensure the correct input source is selected on your monitor.
- **No Remote Access:**
  - Confirm the NVR is connected to the internet via the Ethernet cable.
  - Check your router's internet connection.
  - Ensure the NVR is properly added to the ANNKE Vision App.
  - Verify your mobile device has an active internet connection.
- **Recording Issues:**
  - Check the NVR's HDD status in the system settings to ensure it is functioning correctly and has sufficient space.
  - Verify recording schedules and motion detection settings are configured as desired.

7. Specifications

Feature	Specification
Brand	ANNKE
Model Number	N48PAW2-51DW-52DN
Connectivity Technology	Wired (PoE)
Number of Channels	8
Memory Storage Capacity	2 TB (HDD)
Power Source	Corded Electric (NVR), PoE (Cameras)
Item Dimensions (L x W x H)	20.87 x 19.29 x 11.81 inches
Special Features	Image Sensor, Motion Sensor Isolation, Night Vision, Smart Motion Detection
Recording Mode	Motion Detection, Continuous
Low Light Technology	Night Color

Weatherproof Rating	IP67 (Dome Camera), IP66 (Bullet Camera)
Operating Conditions	-30 °C – 60 °C (-22°F – 140 °F)

8. Warranty and Support

8.1 Warranty Information

For detailed warranty information regarding your ANNKE PoE Security Camera System, please refer to the official ANNKE website or the warranty card included with your product. Standard warranty terms typically cover manufacturing defects for a specified period from the date of purchase.

8.2 Technical Support

ANNKE provides lifetime technical support for its products. If you encounter any issues or have questions not covered in this manual, please contact ANNKE customer support through their official website or the contact information provided in your product documentation.