

## SANNCE N98PBM2-54EW

# SANNCE 5MP PoE Security System User Manual

Model: N98PBM2-54EW

## 1. INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your SANNCE 5MP PoE Security System. This system includes an 8-channel Network Video Recorder (NVR) with a 2TB Hard Disk Drive (HDD) and four 5MP HD weatherproof dome cameras. Please read this manual thoroughly before using the product to ensure proper setup and functionality.

## 2. WHAT'S IN THE BOX

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The SANNCE 5MP PoE Security System package includes the following components:

- 1x 8-Channel NVR with 2TB HDD
- 4x 5MP HD Weatherproof Dome Cameras
- 1x Power Adapter for NVR
- 1x Power Cable
- 1x USB Mouse
- 1x 1.8M HDMI Cable
- 1x 1M Network Cable
- 2x 18M Network Cables
- 2x 30M Network Cables
- 4x Waterproof Lids
- 4x Mounting Screw Bags
- 4x Drill Templates
- 1x User Manual for NVR
- 4x User Manuals for Cameras
- 1x 24-Hour Video Surveillance Wall Sticker



Image: Contents of the SANNCE 5MP PoE Security System box, including the NVR, cameras, cables, and accessories.

## 3. SETUP GUIDE

### 3.1 Unboxing and Initial Inspection

Carefully unpack all components and verify that all items listed in the 'What's in the Box' section are present and undamaged. If any items are missing or damaged, contact SANNCE support.

Video: An unboxing and overview of the SANNCE 5MP PoE Security System components.

### 3.2 Physical Connection

1. **Connect NVR to Network:** Connect one end of a network cable to the NVR's LAN port and the other end to a network port on your router or switch that has internet access.
2. **Connect Cameras:** Insert the network cables into the PoE ports of the NVR and the corresponding cameras. The system supports Power over Ethernet (PoE), meaning a single Ethernet cable provides both power and data transmission to each camera. Use the provided 18-meter or 30-meter network cables as needed.
3. **Connect Monitor:** Insert the HDMI cable into the HDMI port of the NVR and the other end into your monitor.
4. **Connect USB Mouse:** Plug the USB mouse into one of the USB ports on the NVR.
5. **Power On:** Connect the power cord to the power adapter, then insert the power adapter's plug into the NVR's power port. Finally, plug the power cord into a power strip or wall outlet to power on the system.



Image: PoE connection setup, showing a single Ethernet cable for both data and power to the camera.

Video: Step-by-step guide on how to connect the PoE CCTV system, including NVR, cameras, monitor, and power.

## 3.3 NVR First-Time Setup

Upon first power-on, the NVR will guide you through an initial setup wizard:

1. **Language Selection:** Select your preferred language. English is the default.
2. **Set Password:** Create a strong password (8-16 characters, including numbers, lowercase letters, uppercase letters, and special characters) for the 'Admin' user. This is crucial for security.
3. **Pattern Lock:** Set an unlocking pattern for quick access.
4. **Security Questions/Email:** Configure security questions and/or a reserved email address for password recovery.
5. **Time Settings:** Select your time zone and set the correct date and time format.
6. **Network Configuration:** The NVR typically uses DHCP for automatic network configuration. Verify the settings.
7. **Format Disk:** If this is the first use or if you've replaced the HDD, format the hard drive as prompted. This prepares the disk for recording.
8. **Camera Search:** The NVR will automatically detect and configure connected IP cameras.
9. **Mobile Monitoring:** Scan the provided QR codes to download the mobile application and add your device for remote viewing.

## 4. OPERATING INSTRUCTIONS

### 4.1 Live View and Recording

Once setup is complete, the NVR will display live video feeds from all connected cameras. You can navigate the interface using the USB mouse to switch between single-camera views, multi-camera grids, and access recording playback.

### 4.2 Camera Features

- **5MP Super HD Resolution:** The cameras provide 5MP (2880x1620) crystal-clear video, ensuring detailed footage day and night. Image enhancement technologies like BLC/3D DNR/HLC are integrated for optimal clarity.
- **Wide-Angle Lens:** Equipped with a 2.8mm wide-angle lens, the cameras offer an expansive view, covering larger monitoring areas.
- **Night Vision:** Two IR supplement lights enable night vision up to 100 feet, providing clear surveillance in low-light conditions.
- **Weatherproof Design:** The IP67-rated cameras are designed to withstand various weather conditions and extreme temperatures, ensuring reliable outdoor performance.



Image: Illustration of the 2.8mm wide-angle lens providing a wider field of view for surveillance.



Image: The IP67 weatherproof dome camera, designed for high and low-temperature resistance.

### 4.3 Smart Detection and Alerts

The system incorporates an upgraded AI algorithm for accurate human and vehicle detection, significantly reducing false alarms from environmental factors. Motion Detection 2.0 ensures alerts are triggered only for relevant activities.

- **Human/Vehicle Detection:** Distinguishes between humans/vehicles and other moving objects.
- **APP Push Alert:** Receive real-time notifications on your smartphone when motion is detected.



Image: Mobile app interface showing human and vehicle detection playback, enhancing monitoring efficiency.

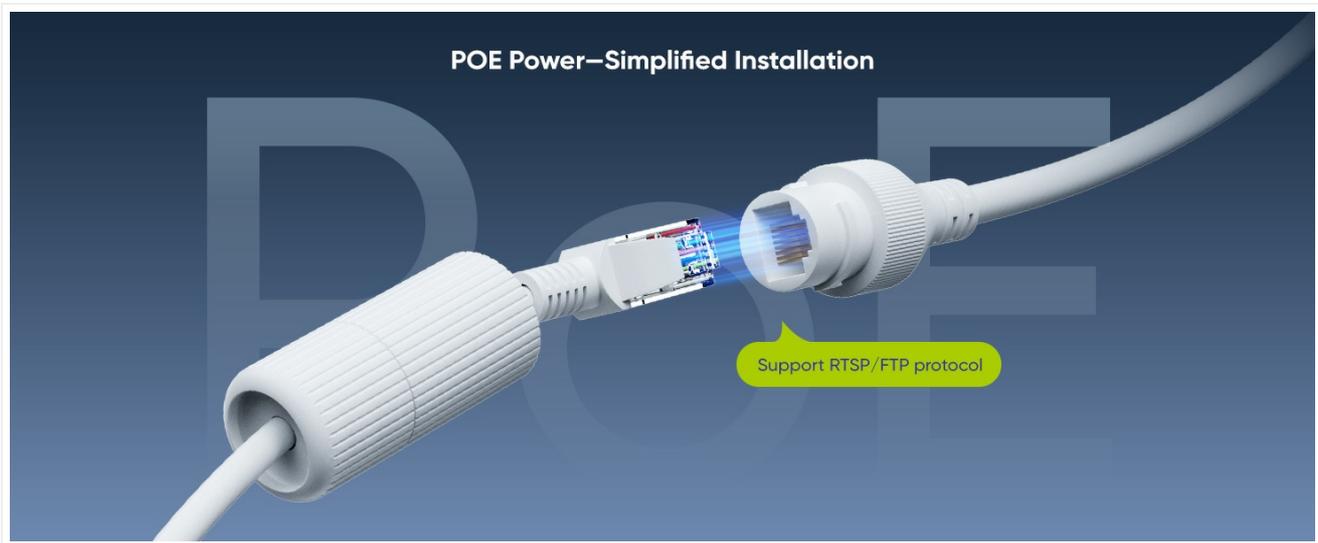


Image: Real-time alarm notification on a smartphone, triggered by detected activity.

## 4.4 Remote Access and Privacy

Monitor your property from anywhere using the dedicated smartphone application, client software, or web browser.

- **P2P Remote Access:** View live feeds and playback recordings remotely via the mobile app.
- **Zone Alarm:** Define specific areas for motion detection.
- **Video Mask:** Mask out private areas within the camera's view to ensure privacy.
- **Local Encryption:** Data is protected with local encryption.



Image: Remote access capabilities across various devices and privacy zone masking for sensitive areas.

## 4.5 Video Compression

The system utilizes S+265/H.265 video compression technology, which saves up to 75% of recording space compared to older standards, extending recording time and optimizing storage usage.

# 5. MAINTENANCE

## 5.1 Hard Drive Management

The NVR comes with a pre-installed 2TB HDD. Regularly check the hard drive status through the NVR's menu. If the disk becomes full, the system will typically overwrite the oldest footage. You can configure recording schedules and overwrite

settings in the NVR's system settings. If the hard drive is not recognized or functions improperly, reformatting it may resolve the issue (note: this will erase all recorded data).

## 5.2 Camera Cleaning

Periodically clean the camera lenses with a soft, damp cloth to ensure clear image quality. Avoid using harsh chemicals that could damage the lens coating or camera housing. For outdoor cameras, ensure no obstructions like spiderwebs or debris are blocking the view or the IR lights.

## 5.3 Firmware Updates

SANNCE may release firmware updates to improve system performance, add features, or address security vulnerabilities. Check the SANNCE support website periodically for available updates and follow the provided instructions for safe installation.

# 6. TROUBLESHOOTING

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If you encounter issues with your SANNCE 5MP PoE Security System, refer to the following common troubleshooting steps:

- **No Video Display:**

- Ensure the NVR is powered on and the monitor is correctly connected via HDMI/VGA and powered on.
- Check that all cameras are securely connected to the NVR's PoE ports.
- Verify that the NVR's video output settings match your monitor's capabilities.

- **Network Connectivity Issues:**

- Confirm the NVR's LAN port is connected to a working router/switch with internet access.
- Check network cable integrity.
- Ensure DHCP is enabled on your router or manually configure the NVR's IP address if necessary.

- **Cannot Access Remotely via App:**

- Ensure the NVR has a stable internet connection.
- Verify that the mobile app is correctly installed and the device ID has been added.
- Check firewall settings on your router if you are experiencing connection blocks.

- **Forgotten Password:**

- Use the security questions or reserved email address configured during the initial setup to reset the password.
- If these methods are unavailable, contact SANNCE technical support for assistance.

- **False Alarms:**

- Adjust the sensitivity of motion detection in the NVR settings.
- Configure detection zones to exclude areas with frequent irrelevant motion (e.g., trees swaying).
- Ensure human/vehicle detection is enabled if you wish to filter out other motion sources.

# 7. SPECIFICATIONS

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Feature	Detail
Brand	SANNCE

Feature	Detail
Model Number	N98PBM2-54EW
Connectivity Technology	PoE
Video Capture Resolution	5MP (2880x1620)
Special Feature	PoE Support, Smart Human/Vehicle Detection, Remote Access
Number of Channels	8
Color	Black
Power Source	Corded Electric
Item Dimensions L x W x H	10 x 2 x 2.7 inches
Operating System	Linux
Recommended Uses For Product	Security Surveillance
Compatible Devices	IP Camera
Other Camera Features	IP Security Camera System
Low Light Technology	IR
Night Vision Range	100 Feet
Frame Rate	30fps
Total USB Ports	2
Hardware Interface	USB
Video Input	IP Camera
Viewing Angle	110 Degrees
Item Weight	4 pounds
Date First Available	March 12, 2025

## 8. WARRANTY AND SUPPORT

### 8.1 Product Warranty

Your SANNCE 5MP PoE Security System is covered by a manufacturer's warranty. Please refer to the warranty card included in your package or visit the official SANNCE website for detailed warranty terms and conditions.

### 8.2 Technical Support

For technical assistance, troubleshooting, or any product-related inquiries, please contact SANNCE customer support. You can find contact information and additional resources on the official SANNCE website:

[Visit the SANNCE Store on Amazon](#)