SECULINK NVR1108PK-P8

SECULINK 8-Channel 4K POE NVR User Manual

Model: NVR1108PK-P8

Brand: SECULINK

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your SECULINK 8-Channel 4K POE Network Video Recorder (NVR). This NVR is designed for high-quality surveillance, supporting 8MP Super HD video recording and offering convenient features such as Power over Ethernet (PoE) for simplified camera connections, advanced H.265 video compression, and remote access capabilities.

Key Features:

- **High Quality Video:** Supports 8MP Super HD video recording on all 8 channels, compatible with standard POE and POE+ IP cameras (ONVIF Conformance).

- **POE Easy Setup:** Integrates NVR and PoE switch functionality, allowing a single network cable for both power and data transmission to cameras.

- **Extension of Power and Data:** Features an extend mode to increase transmission distance from 100 meters to 250 meters.

- **P2P Remote Access:** Cloud P2P function for remote viewing via smartphone, tablet, or PC using the free VMS application.

- **Advanced Video Compression:** Utilizes H.265 compression to enhance bandwidth and storage efficiency, resulting in smaller file sizes, higher definition, and longer recording times.

2. PACKAGE CONTENTS

Please check the package carefully to ensure all items are present and undamaged:

- 1x SECULINK 8-Channel 8MP POE Network Video Recorder

- 1x Power Adapter (North American)

- 1x USB Mouse

- 1x User Manual

Note: A hard drive (HDD) is not included and must be purchased separately for video storage.

3. PRODUCT OVERVIEW

Familiarize yourself with the NVR's components and interfaces.

Figure 3.1: Top and Rear View of the NVR. The rear panel features 8 PoE ports for camera connections, an RJ45 uplink port, HDMI and VGA video outputs, an audio output, DC 48V power input, and USB ports for mouse and external storage.
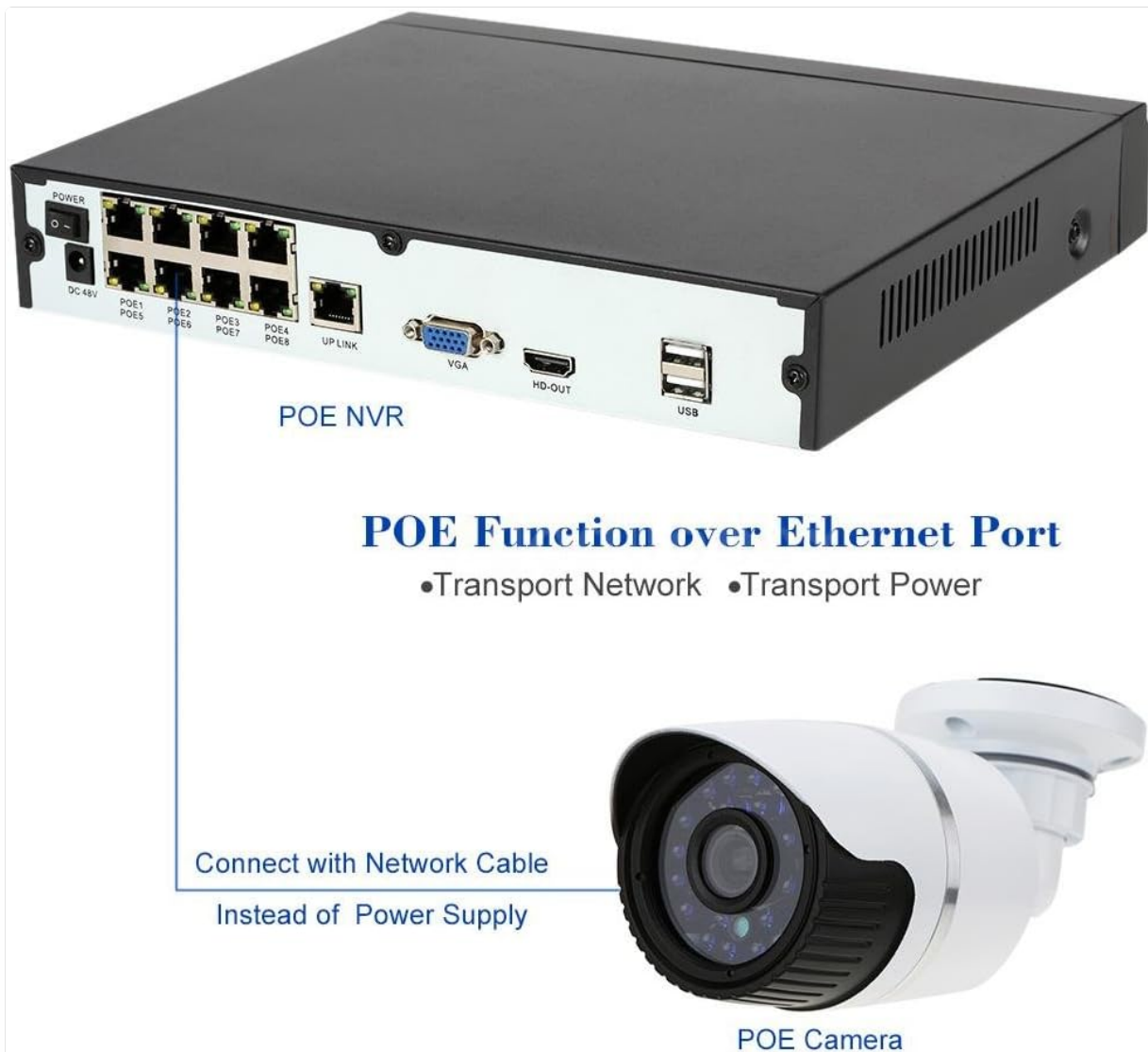
Figure 3.2: Front View of the NVR. The front panel includes Power, IR, and Record indicators.

4. SETUP

4.1. Hard Drive (HDD) Installation

The NVR does not come with a pre-installed hard drive. Follow these steps to install a 3.5" SATA HDD (up to 6TB) for video storage.

1. **Twist down the screws of the DVR:** Carefully remove the screws securing the NVR's cover.

2. **Access the hard disk:** Gently slide open the cover to expose the internal components. Connect the SATA data and power cables to the HDD.

3. **Install the screws:** Secure the HDD inside the NVR using the provided screws. Replace the NVR cover and secure it with its screws.

Figure 4.1: Visual guide for HDD installation steps.

4.2. Connecting Cameras

The SECULINK NVR features Power over Ethernet (PoE) ports, simplifying camera connections. A single Ethernet cable provides both power and data transmission to compatible PoE IP cameras.

- Connect your PoE IP cameras directly to the numbered POE ports (POE1-POE8) on the rear of the NVR using standard Ethernet cables.
- Ensure your cameras are ONVIF compliant for optimal compatibility.
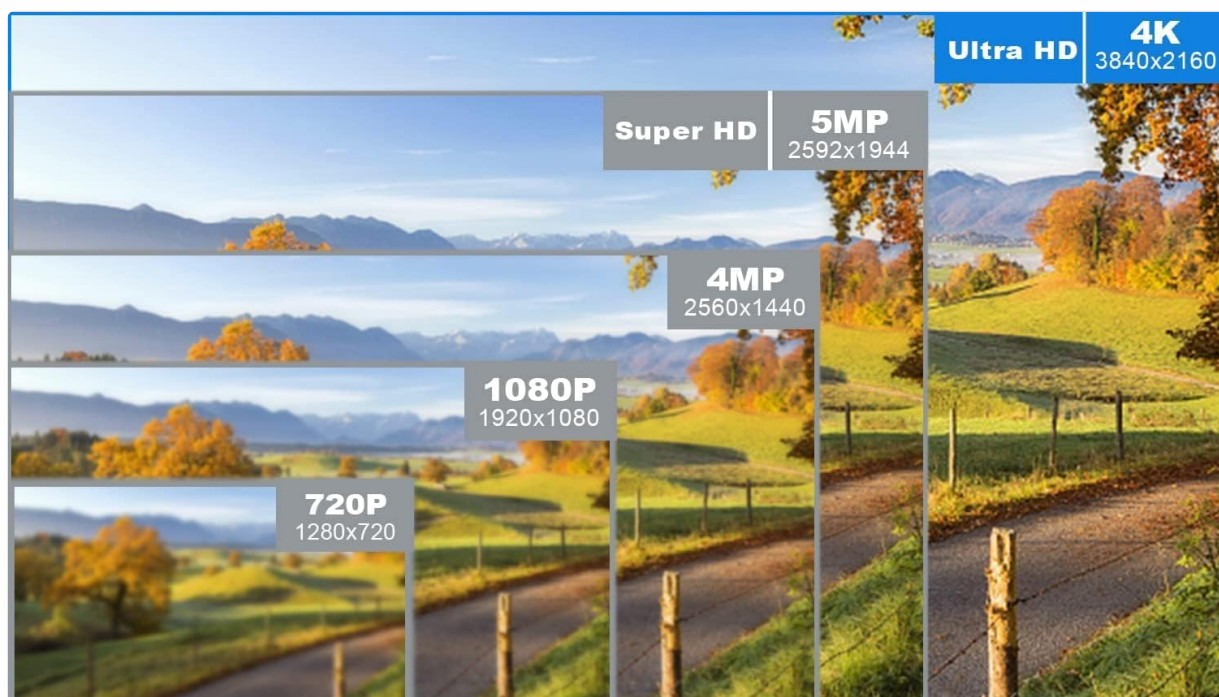

Figure 4.2: PoE Function over Ethernet Port. A single network cable connects the NVR to the camera for both power and data.
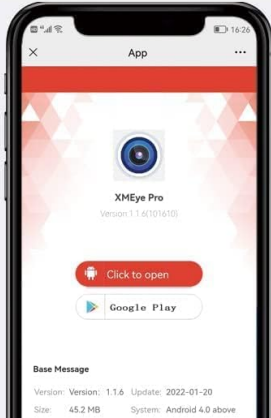
4.3. Initial Setup

1. Connect the NVR to a monitor using either the HDMI or VGA output port.

2. Connect the included USB mouse to one of the USB ports on the NVR.

3. Connect the NVR to your network router using an Ethernet cable via the RJ45 uplink port.

4. Connect the power adapter to the DC 48V input on the NVR and plug it into a power outlet. The NVR will power on automatically.

5. Follow the on-screen prompts to complete the initial setup, including setting up a password and configuring network settings.

5. OPERATION

5.1. Video Recording Modes

The NVR supports various recording modes to suit your surveillance needs:

Figure 5.1: Recording Modes. The NVR supports 24/7 continuous recording, motion-triggered recording, and scheduled recording based on user-defined times.

- **24/7 Continuous Record:** Records footage continuously throughout the day and night.
- **Motion Recording:** The NVR will automatically begin recording when motion is detected, saving storage space.
- **Scheduled Recording:** Set specific times for the NVR to record, allowing for customized surveillance schedules.

5.2. Video Compression (H.265)

The NVR utilizes advanced H.265 video compression technology, which offers significant advantages over older compression standards like H.264.

- **Better Video Quality:** Maintains high image fidelity.
- **Less Storage:** Reduces file sizes by up to 50% compared to H.264, allowing for longer recording durations on the same storage capacity.
- **Improved Bandwidth Efficiency:** Requires less network bandwidth for streaming, beneficial for remote viewing.

Figure 5.2: Advanced H.265 Compression. Illustrates the storage savings achieved with H.265 compared to H.264.

5.3. Remote Access with Mobile App

Monitor your property from anywhere using the free mobile application (XMeye or VMS) on your smartphone, tablet, or PC.

- Download the XMeye Pro APP from the Google Play Store or Apple App Store. You can also visit http://d.xmeye.net/Xmeye for direct download.
- Register an account and add your NVR device using its unique ID or QR code.
- Once configured, you can view live feeds, playback recorded footage, and receive instant motion detection alerts directly on your mobile device.

Figure 5.3: Remote Viewing with Free Mobile APP. Shows the app interface on different devices and QR codes for app download.

HDD Installation Steps (HDD Not Included)

01 Twist down the screws of the DVR

02 Access the hard disk

03 Install the screws
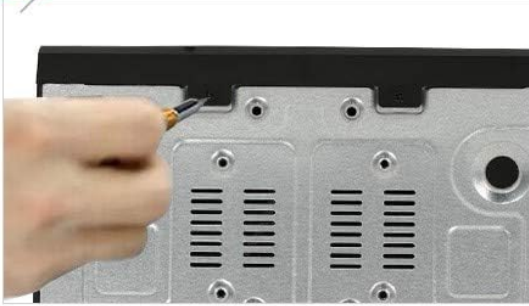
Note: Pictures only for reference

Figure 5.4: Smart Motion Detection and Instant Alerts. When motion is detected, an alert message is pushed to your mobile device, showing a snapshot of the event.

5.4. Video Resolution

The NVR supports various video resolutions, up to 4K (3840x2160 pixels), ensuring clear and detailed surveillance footage.
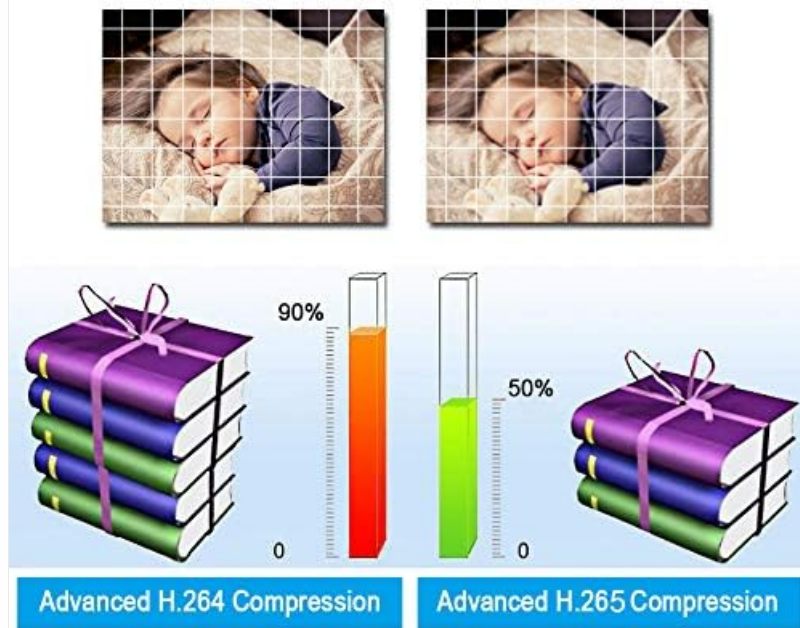
Figure 5.5: Video Resolution Comparison. Demonstrates the visual clarity provided by higher resolutions, up to 4K Ultra HD.

6. MAINTENANCE

- **Regular Cleaning:** Keep the NVR free from dust and debris. Use a soft, dry cloth for cleaning. Do not use liquid cleaners.
- **Firmware Updates:** Periodically check the SECULINK official website for firmware updates to ensure optimal performance and security.
- **HDD Health Check:** If using a hard drive, regularly check its health status through the NVR's interface to prevent data loss. Consider formatting the HDD periodically if issues arise.
- **Environmental Conditions:** Ensure the NVR is operated within its specified temperature and humidity ranges to prolong its lifespan. Avoid direct sunlight and excessive heat.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your NVR.

- **No Video Output:**

  - Check HDMI/VGA cable connections to the monitor and NVR.
  - Ensure the monitor is set to the correct input source.
  - Verify the NVR is powered on (check power indicator light).

- **Cameras Not Displaying:**

- Ensure cameras are properly connected to the NVR's PoE ports.
- Verify that the cameras are receiving power (check camera indicator lights, if any).
- Confirm that the cameras are ONVIF compliant and their IP addresses are within the NVR's network range.
- If cameras require a password, ensure it is correctly entered in the NVR's camera management settings.

- **No Recording/Playback:**

  - Ensure a hard drive (HDD) is installed and properly connected inside the NVR.
  - Check the HDD status in the NVR's system settings; it may need to be formatted.
  - Verify that recording schedules or motion detection settings are correctly configured.

- **Remote Access Issues:**

  - Ensure the NVR is connected to the internet via the RJ45 uplink port.
  - Check your network settings (DHCP, DNS) on the NVR.
  - Verify your mobile device has an active internet connection.
  - Ensure the correct NVR ID or QR code is used when adding the device to the mobile app.

8. SPECIFICATIONS

Feature	Specification
Model Number	NVR1108PK-P8
Video Input	8x RJ45 POE
Video Output	1x VGA, 1x HDMI
Audio Output	1x RCA
Network Port	1x RJ45 10M/100M
USB Port	2x USB2.0
Streaming Specification	ONVIF
Record Mode	Manual, Alarm, Motion Detection, Timing
Video Search	Time, Date, Event, Channel Search
Network Service	DDNS, UPNP, RTSP, SMTP, FTP, NTP
Power Supply	DC 48V
HDD Interface	SATA (Supports up to 6TB)
Product Dimensions	10.24 x 7.48 x 1.69 inches
Item Weight	3.12 pounds

Compatible Devices	Camera, Smartphone, Tablet

9. SAFETY INFORMATION

Please read and adhere to the following safety guidelines to ensure safe operation and prevent damage to the device or injury.

Figure 9.1: Safety and Caution Label.

- **CAUTION: RISK OF ELECTRIC SHOCK. DO NOT OPEN.**
- To reduce the risk of electrical shock, do not open covers. There are no user-serviceable parts inside. Refer servicing to qualified service personnel.
- **WARNING:** To prevent fire or shock hazard, do not expose units not specifically designed for outdoor use to rain or moisture.

10. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the documentation provided with your purchase or contact SECULINK customer support.
A digital version of this user guide is available for download: User Guide (PDF)
For technical support or inquiries, please visit the official SECULINK website or contact their customer service channels.

Documents - SECULINK – NVR1108PK-P8
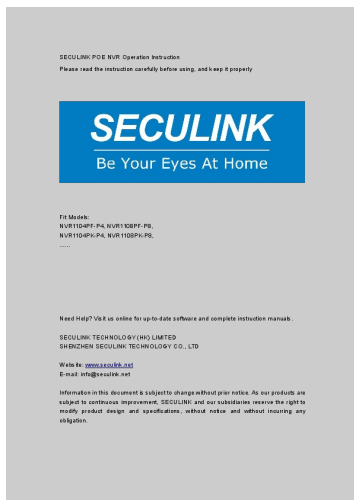
[pdf] Specifications Guide Diagram

Administrator User Guide Seculink 8 Channel 48V POE NVR 2K 5MP Super HD Network Video Recorder H 265 Cloud P2P Remote Access Motion Alert DIY Tools B1sKL7RiCzL m media amazon images I ||| SECULINK POE NVR Operation Instruction Please read the instruction carefully before using, and keep it properly Fit Models: NVR1104PF-P4, NVR1108PF-P8, NVR1104PK-P4, **NVR1108PK-P8**, ... Need Help Visit us online for up-to-date software and complete instruction manuals. SECULINK TECHNOLOGY HK LIM... lang:en score:39 filesize: 2.07 M page_count: 31 document date: 2022-05-25

[pdf] Specifications Diagram

Administrator SECULINK POE NVR Operation Instruction 11 mag 2025 — Before the is powered on make sure you have installed a hard disk and connected at least one poe camera For details please refer to following B1nrd YF9wL ref dp product quick view m media amazon images I ||| SECULINK POE NVR Operation Instruction Please read the instruction carefully before using, and keep it properly Fit Models: NVR1104PF-P4, NVR1108PF-P8, NVR1104PK-P4, **NVR1108PK-P8**, ... Need Help Visit us online for up-to-date software and complete instruction manuals. SECULINK TECHNOLOGY HK LIM... lang:en score:37 filesize: 2.02 M page_count: 30 document date: 2022-05-12

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