

SECULINK NVR1110PF-4K

SECULINK 10-Channel 4K NVR User Manual

Model: NVR1110PF-4K

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your SECULINK 10-Channel 4K Network Video Recorder (NVR). This NVR is designed to manage and record video footage from compatible IP cameras, offering advanced features such as 4K Ultra HD video support, H.265+ compression, motion detection recording, and remote access capabilities. Please read this manual thoroughly before using the device to ensure proper setup and optimal performance.

PRODUCT FEATURES

- **Ultra HD Video:** Supports full 4K video viewing on all 10 channels, compatible with 8MP/5MP/4MP/3MP/1080p ONVIF Conformance IP cameras for crystal clear image capture.
- **H.265+ Compression Technology:** Enhances bandwidth and storage efficiency, resulting in smaller file sizes, higher definition, and extended recording times. Supports simultaneous network transmission and playback.
- **Motion Detection Recording:** Configures the NVR to initiate recording only when motion is detected, optimizing storage space and providing intelligent event-based recording.
- **Easy Setup:** Requires a direct wired Ethernet connection to your router for operation. Simplifies management of all connected IP cameras on your network.
- **Multiple Storage Options:** Supports up to 6TB HDD (sold separately) and Cloud Storage Service (sold separately). Backup options include USB Flash Disk, USB DVR Writer, and network backup.
- **P2P Remote Access:** Cloud P2P function enables remote viewing on smartphones, tablets, and PCs via the XMeye App, allowing 24/7 monitoring from any location.

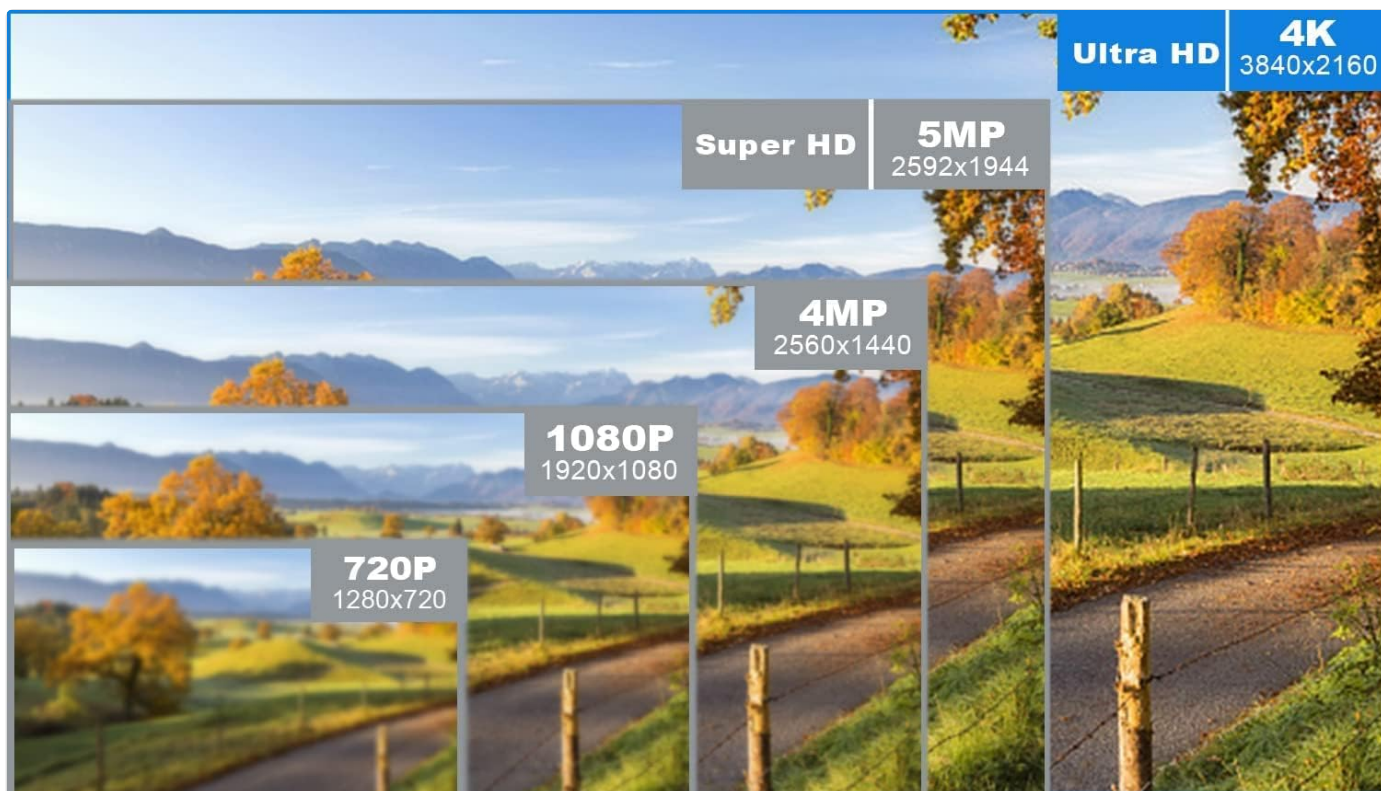


Image: Visual comparison of different video resolutions supported by the NVR, including 720P, 1080P, 4MP, 5MP, and Ultra HD 4K (3840x2160).

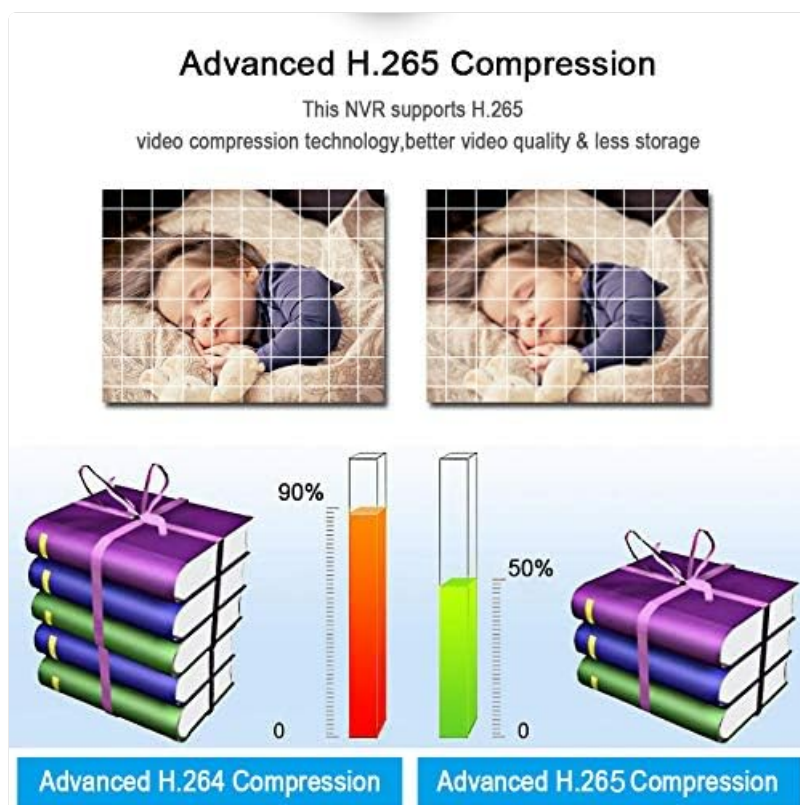


Image: Diagram illustrating the storage efficiency of H.265+ compression compared to H.264, showing significant reduction in storage requirements.

PACKAGE CONTENTS

Please verify that all items are present and in good condition upon opening the package:

- 1x SECULINK 10-Channel Network Video Recorder (NVR)

- 1x Power Adapter
- 1x USB Mouse
- *Note: Hard drive (HDD) is not included and must be purchased separately.*

PRODUCT OVERVIEW

Front Panel



Image: Top-down view of the SECULINK NVR showing the front panel with "Power" and "Record" indicators, and a rear view displaying all ports.

The front panel of the NVR typically includes LED indicators for power and recording status. These indicators provide quick visual confirmation of the device's operational state.

- **Power Indicator:** Illuminates when the NVR is powered on.
- **Record Indicator:** Flashes or illuminates to indicate active video recording.

Rear Panel



Image: Close-up of the NVR's rear panel, clearly labeling the VGA, HDMI, LAN (RJ45), USB, and DC 12V power input ports.

The rear panel provides all necessary connection ports for the NVR:

- **VGA Output:** Connects to a monitor or display via a VGA cable.
- **HDMI Output:** Connects to a monitor or display via an HDMI cable for high-definition video output.
- **LAN (RJ45) Port:** Connects the NVR to your network router using an Ethernet cable.
- **USB Ports (2x USB2.0):** Used for connecting the included USB mouse, external storage devices for backup, or for firmware updates.
- **DC 12V Power Input:** Connects the provided power adapter to supply power to the NVR.
- **Audio Output (RCA):** For connecting to an audio system (if supported by your setup).

SETUP GUIDE

1. Hard Drive (HDD) Installation (HDD Not Included)

The NVR requires an internal SATA hard drive for video storage. Follow these steps to install a compatible 3.5" SATA HDD (up to 6TB recommended):

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 cable and power cable from the NVR to the corresponding ports on the hard drive.
3. **Install the screws:** Secure the hard drive inside the NVR chassis using the provided screws. Replace the NVR cover and secure it with its screws.



Image: Visual instructions detailing the three steps for HDD installation: unscrewing the cover, connecting the SATA cables, and securing the HDD with screws.

2. System Connections

Connect the NVR to your network and display as follows:

- Connect the NVR's LAN port to your router using an Ethernet cable.
- Connect the NVR's HDMI or VGA output to a monitor or TV.
- Connect the USB mouse to one of the NVR's USB ports.
- Connect the power adapter to the NVR's DC 12V input and plug it into a power outlet.

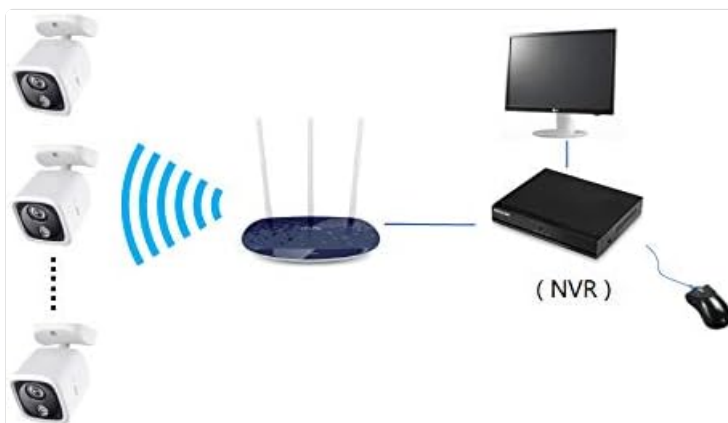


Image: A schematic diagram illustrating the network setup, showing IP cameras wirelessly connecting to a router, which is then wired to the NVR, and the NVR connected to a monitor and mouse.

3. Camera Connection

The NVR will automatically detect and add ONVIF-compliant IP cameras connected to the same network. Ensure your IP

cameras are powered on and properly configured on your network before attempting to add them to the NVR.

- Access the NVR's interface via the connected monitor and mouse.
- Navigate to the camera management section (refer to the on-screen menu).
- The NVR should list available IP cameras on your network. Select and add them as required.

OPERATING INSTRUCTIONS

Recording Modes

The NVR offers flexible recording options to suit your surveillance needs:

- **24/7 Continuous Recording:** Records footage continuously throughout the day and night.
- **Motion Recording:** The NVR is triggered to record only when motion is detected by the connected cameras. This conserves storage space.
- **Scheduled Recording:** Set specific times or days for the NVR to record, allowing for customized recording schedules.



24/7 Continuous Record

Record footages all of the time both day & night.



Motion Recording

Record videos only when there are motion events to save the storage space.



Scheduled Recording

Set up the DVR recording videos based on your scheduled time.

Image: Visual representation of the three primary recording modes: 24/7 Continuous Record, Motion Recording (triggered by movement), and Scheduled Recording (based on a set timetable).



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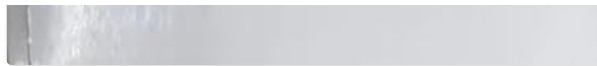


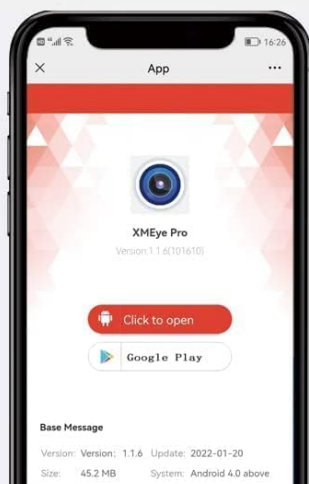
Image: Flowchart demonstrating the motion detection recording process: Standby Mode -> Motion Detection Mode-Record -> Standby Mode again if no motion.

Remote Viewing with Mobile App

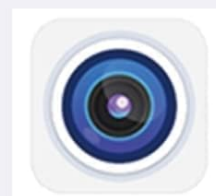
The SECULINK NVR supports remote viewing via the XMeye Pro mobile application, available for both Android and iOS devices. This allows you to monitor your premises from anywhere with an internet connection.

- Download the **XMeye Pro APP** from Google Play Store or Apple App Store. You can also scan the QR code provided in the image below or visit <http://d.xmeye.net/Xmeye>.
- Register an account and log in.
- Add your NVR device to the app using its unique device ID or by scanning the QR code displayed on the NVR's interface.
- Once added, you can view live feeds, playback recorded footage, and receive motion alerts directly on your mobile device.

Remote Viewing with Free Mobile APP



XMeye Pro APP



XMeye Pro



Image: Displays the XMeye Pro app interface on a smartphone, tablet, laptop, and desktop, along with QR codes and logos for

Smart motion detect, instant alert message pushed to the mobile devices



Image: Depicts a security camera detecting motion and an instant alert message being pushed to a mobile device via the XMEYE app, showing the time and channel of the detected event.

MAINTENANCE

Hard Drive Management

Regularly check the status of your hard drive through the NVR's system settings to ensure it is functioning correctly. If the hard drive becomes full, the NVR will typically overwrite the oldest footage. You can configure this behavior in the system settings.

Firmware Updates

Periodically check the SECULINK official website or contact customer support for available firmware updates. Firmware updates can improve system stability, add new features, and enhance security. Follow the provided instructions carefully when performing updates to avoid damaging the device.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No video output on monitor.	Loose cable connection, incorrect input selected on monitor, NVR not powered on.	Check HDMI/VGA cable connections. Ensure monitor is set to the correct input source. Verify NVR power indicator is on.

Problem	Possible Cause	Solution
Cameras not displaying/recording.	Camera not powered, network issue, incorrect camera settings, camera not ONVIF compliant.	Ensure cameras are powered and connected to the network. Check network connectivity. Verify camera IP addresses and ONVIF compatibility. Restart NVR and cameras.
Cannot access NVR remotely via app.	Network configuration issues, incorrect app settings, NVR not connected to internet.	Ensure NVR has internet access. Verify P2P status in NVR settings. Double-check app login credentials and device ID. Ensure router firewall is not blocking connections.
Hard drive not detected.	Incorrect installation, faulty HDD, loose SATA cables.	Recheck HDD installation steps, ensuring SATA data and power cables are securely connected. Test with a known working HDD if possible.

SPECIFICATIONS

Feature	Detail
Model Number	NVR1110PF-4K
Channels	10-Channel
Video Resolution Support	4K (8MP), 5MP, 4MP, 3MP, 1080p
Video Output	1x VGA, 1x HDMI
Audio Output	1x RCA
Network Port	1x RJ45 10M/100M Ethernet
USB Ports	2x USB2.0
Streaming Specification	ONVIF/RTSP
Record Mode	Manual, Alarm, Motion Detection, Timing
Video Search	Time, Date, Event, Channel Search
Power Supply	DC 12V
HDD Interface	SATA (Max 6TB)
Dimensions (L x W x H)	10.24" x 7.48" x 1.69" (260 x 190 x 43 mm)
Weight	2.29 pounds
Compatible Devices	Desktop
Mobile App	XMeye

SAFETY INFORMATION

Please observe the following safety precautions to prevent injury or damage to the device:

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

Image: A warning label indicating "CAUTION: RISK OF ELECTRIC SHOCK DO NOT OPEN" and "WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE." It also states "NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL."

- **Risk of Electric Shock:** Do not open the NVR casing. There are no user-serviceable parts inside. Refer all servicing to qualified service personnel.
- **Fire and Shock Hazard:** To prevent fire or electric shock, do not expose this appliance to rain or moisture. Do not use units not specifically designed for outdoor use in wet conditions.
- **Ventilation:** Ensure adequate ventilation around the NVR to prevent overheating. Do not block ventilation openings.
- **Power Source:** Use only the provided power adapter. Ensure the power source matches the voltage requirements of the NVR.
- **Cleaning:** Disconnect the NVR from the power source before cleaning. Use a dry cloth for cleaning. Do not use liquid cleaners or aerosol cleaners.

WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product or contact SECULINK customer support. For additional assistance, you may refer to the official User Guide PDF available online:

[Download Official User Guide \(PDF\)](#)

For technical support or inquiries, please visit the SECULINK official website or contact their customer service department. Keep your product model number (NVR1110PF-4K) and purchase information ready when seeking support.

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