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## SECULINK NVR1116PF-4K

# SECULINK 16-Channel 4K NVR (NVR1116PF-4K) User Manual

Model: NVR1116PF-4K

## INTRODUCTION

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This manual provides detailed instructions for the installation, setup, and operation of your SECULINK 16-Channel 4K Network Video Recorder (NVR). This NVR supports up to 16 IP cameras with resolutions up to 8MP (4K) and utilizes H.265+ compression for efficient storage. It features motion detection recording, multiple storage options, and remote access capabilities via a mobile application.

## PACKAGE CONTENTS

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Verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

- 1x SECULINK 16-Channel Network Video Recorder
- 1x Power Adapter
- 1x USB Mouse

*Note: A hard drive is not included and must be purchased separately. SECULINK recommends Seagate 3.5" SATA HDDs up to 6TB for optimal performance.*

## PRODUCT FEATURES

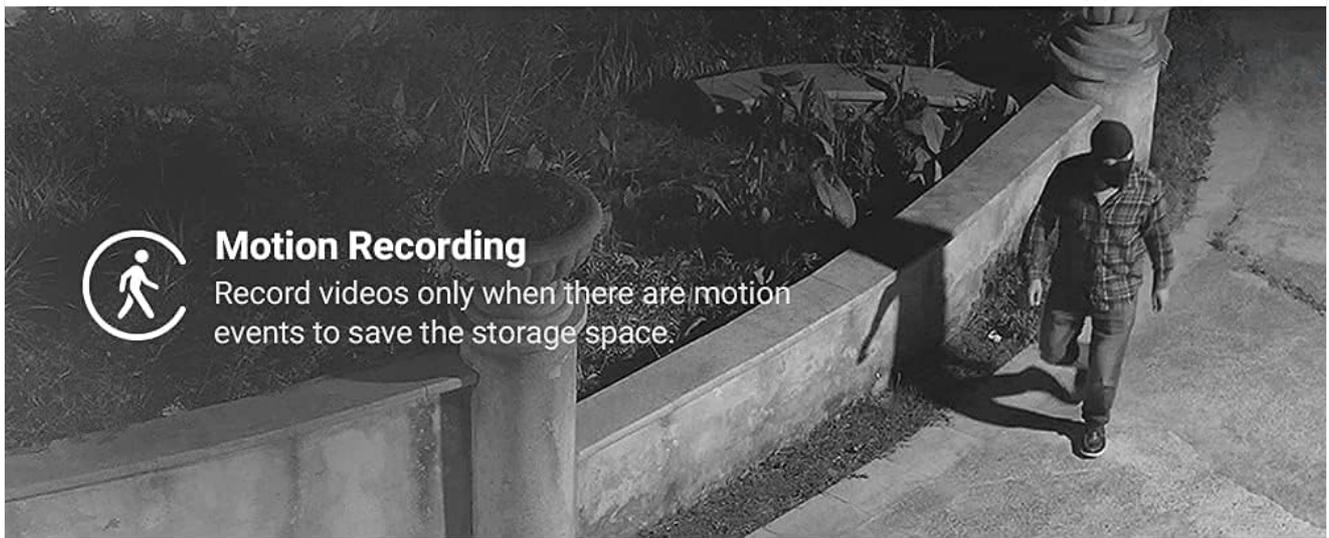
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- **Ultra HD Video:** Supports full 4K (8MP) video viewing and recording on all 16 channels, compatible with 8MP/5MP/4MP/3MP/1080p ONVIF IP cameras.
- **H.265+ Compression:** Advanced video compression technology to enhance bandwidth and storage efficiency, resulting in smaller file sizes, higher definition, and longer recording times.
- **Motion Detection Recording:** Configurable recording schedule based on detected movements, conserving storage space by recording only when activity is present.
- **Multiple Storage Options:** Supports up to 6TB SATA HDD (sold separately) and Cloud Storage Service (subscription may be required). Backup options include USB flash disk, USB DVR writer, and network.
- **P2P Remote Access:** Cloud P2P function enables remote viewing on smartphones, tablets, and PCs via the dedicated mobile application.



### 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 comparison demonstrating various video resolutions supported by the NVR, from 720p up to Ultra HD 4K (8MP).

## 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 diagram showing the storage efficiency of H.265+ compression, indicating significantly reduced file sizes compared to H.264 for the same video quality.

## SETUP

The NVR requires a wired Ethernet connection to your router for operation. Ensure your IP cameras are also connected to the same network.

1. **Connect the NVR:** Connect the NVR to your router using an Ethernet cable.
2. **Connect Display:** Connect a TV or monitor to the NVR using either the VGA or HDMI port.
3. **Connect USB Mouse:** Plug the included USB mouse into one of the USB ports on the NVR.
4. **Power On:** Connect the power adapter to the NVR and then to a power outlet. The NVR will power on automatically.
5. **Initial Configuration:** Follow the on-screen prompts to complete the initial setup, including setting up network parameters and searching for connected IP cameras.

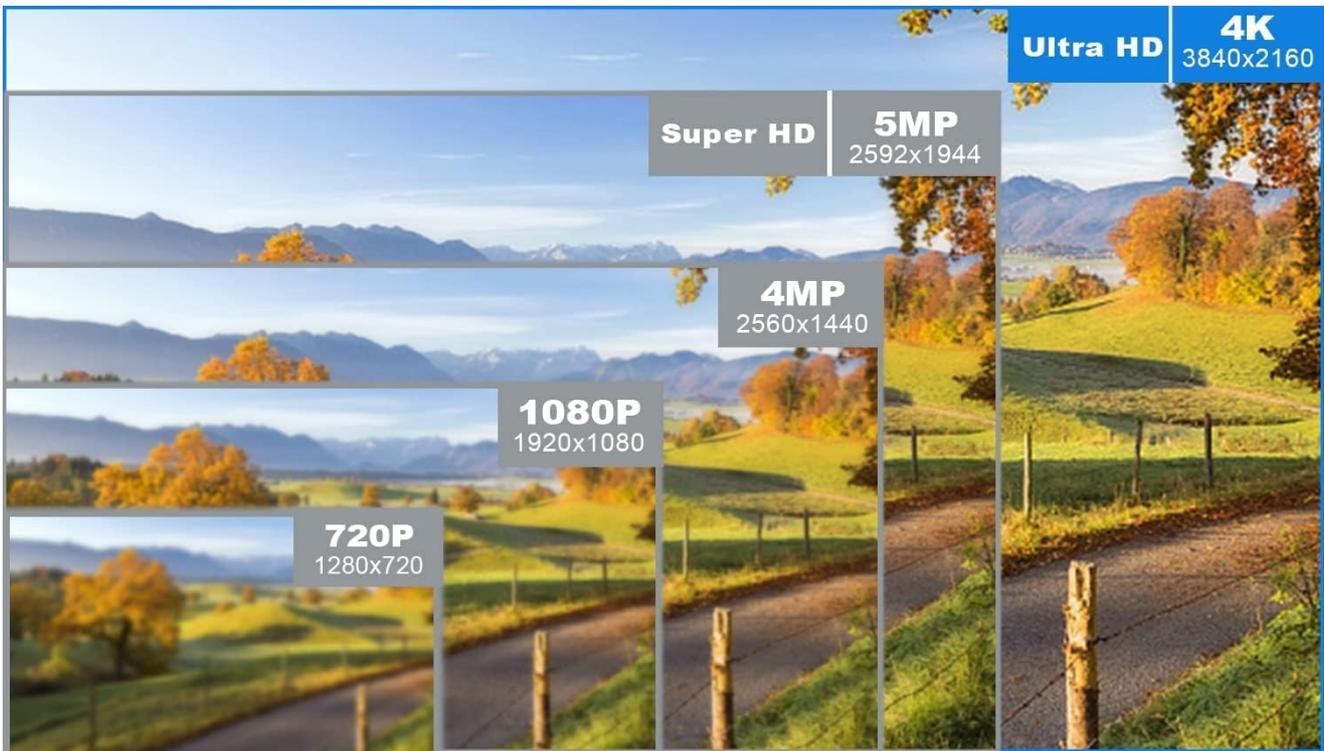


Image: Rear view of the NVR, highlighting the VGA, HDMI, RJ45 (Ethernet), USB, and DC 12V power ports for connecting peripherals and network.

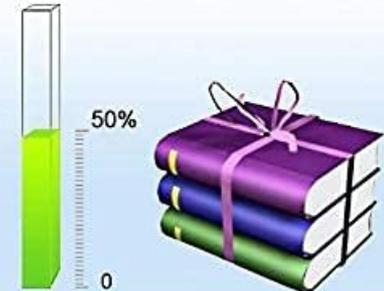
### Advanced H.265 Compression

This NVR supports H.265 video compression technology, better video quality & less storage






**Advanced H.264 Compression**



**Advanced H.265 Compression**

Image: A typical network setup illustrating how IP cameras connect to a router, which then connects to the NVR for recording and monitoring.

## HARD DRIVE INSTALLATION

A hard drive is required for local video storage. Follow these steps to install a 3.5" SATA HDD (not included).

- 1. Unscrew the Cover:** Power off the NVR and disconnect all cables. Carefully twist down the screws on the NVR casing to remove the top cover.

2. **Connect HDD Cables:** Connect the SATA data and power cables from the NVR to the corresponding ports on your hard drive.
3. **Secure the HDD:** Place the hard drive inside the NVR chassis and secure it using the provided screws.
4. **Replace Cover:** Reattach the NVR cover and secure it with the screws.
5. **Format HDD:** After powering on the NVR, navigate to the storage settings in the NVR menu and format the newly installed hard drive. This prepares it for recording.

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



Image: Visual instructions detailing the process of installing a hard disk drive (HDD) into the NVR unit.

## OPERATING INSTRUCTIONS

### Recording Modes

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

- **Manual Recording:** Start and stop recording manually.
- **Motion Detection Recording:** The NVR records only when motion is detected by the connected cameras. This saves storage space and makes reviewing footage more efficient.
- **Scheduled Recording:** Set specific times for continuous recording.
- **Alarm Recording:** Records when an alarm event is triggered (e.g., sensor input, if supported by cameras).

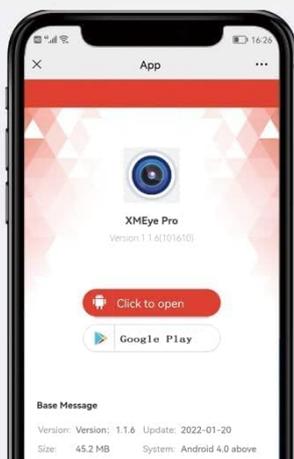


Image: Illustration of different recording modes: 24/7 continuous, motion-triggered, and scheduled recording.

## Motion Detection and Alerts

Configure motion detection zones and sensitivity through the NVR's interface. When motion is detected, the NVR can trigger recording and send instant alert messages to your mobile devices via the XMEye app.

## Remote Viewing with Free Mobile APP



XMEye Pro APP



XMEye Pro



Image: A visual representation of smart motion detection, showing an alert message pushed to a mobile device when motion is detected by a camera.

## REMOTE ACCESS & MOBILE APP

Access your NVR and view live or recorded footage from anywhere using the free XMeye mobile application.

1. **Download the App:** Search for "XMeye" or "XMeye Pro" in your device's app store (Google Play for Android, App Store for iOS) or scan the QR code provided in the app section.
2. **Register an Account:** Create a new user account within the XMeye app.
3. **Add Device:** Add your NVR to the app by scanning the NVR's QR code (usually found in the NVR's system information menu) or by manually entering its serial number.
4. **View Footage:** Once added, you can view live camera feeds, playback recorded video, and receive motion alerts directly on your mobile device or PC.



Image: Overview of the XMeye Pro mobile application, demonstrating remote viewing capabilities across multiple devices like smartphones, tablets, and PCs.

Download the XMeye app: <http://d.xmeye.net/Xmeye>

## SPECIFICATIONS

Feature	Detail
Model Number	NVR1116PF-4K
Resolution	16*4K 8MP (Access Bandwidth 72Mbps)
Video Output	1x VGA, 1x HDMI
Audio Output	1x RCA
Network Port	1x RJ45 10M/100M
USB Port	2x USB2.0
Streaming Specification	ONVIF/RTSP
Record Mode	Manual, Alarm, Motion Detection, Timing
Video Search	Time, Date, Event, Channel Search
Power	DC 12V

Feature	Detail
HDD Interface	SATA (Max 6TB)
Compatible App	XMeye
Product Dimensions	10.24 x 7.48 x 1.69 inches
Item Weight	2.2 pounds

## TROUBLESHOOTING

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- **No Video Output:**

- Ensure the NVR is powered on and the power adapter is securely connected.
- Verify that the VGA or HDMI cable is properly connected to both the NVR and the monitor/TV.
- Check the input source on your monitor/TV to ensure it matches the NVR's connection (VGA or HDMI).

- **Cameras Not Displaying:**

- Confirm that all IP cameras are powered on and properly connected to your network.
- Ensure the NVR is connected to the same network as your IP cameras.
- Check the NVR's camera management settings to ensure cameras are added and configured correctly. Verify IP addresses and login credentials for each camera.
- Confirm cameras are ONVIF compliant if not from the same brand.

- **No Recording to Hard Drive:**

- Ensure a hard drive is installed and properly connected inside the NVR.
- Verify that the hard drive has been formatted through the NVR's storage settings.
- Check the recording schedule and motion detection settings to ensure they are configured to record.
- Confirm the hard drive is not full. If it is, enable overwrite mode or replace the drive.

- **Remote Access Issues (XMeye App):**

- Ensure the NVR has an active internet connection.
- Verify that the XMeye app is updated to the latest version.
- Double-check the NVR's serial number or QR code when adding the device to the app.
- Ensure your mobile device has a stable internet connection.

## WARRANTY AND SUPPORT

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For warranty information, technical support, or further assistance, please refer to the contact information provided with your purchase or visit the official SECULINK website. Keep your purchase receipt as proof of purchase for warranty claims.