

NUUO NB39

NUUO NV-4080S NVRmini Network Video Recorder

USER MANUAL

Product Overview



Figure 1: The NUUO NV-4080S NVRmini, showcasing its compact design and front-facing drive bays. This device serves as a central hub for network video surveillance.

The NUUO NVRmini platform, featuring a Linux-embedded system, provides a highly stable, open, and user-friendly installation experience. It is designed to be free from PC crashes and virus attacks, making it an ideal solution for various environments including factories, buildings, retail stores, homes, banks, hotels, and city surveillance.

The NVRmini supports up to 4 hard drives and up to 8 IP cameras. Its open platform architecture ensures continuous expansion of compatibility with new IP camera brands in the future. Installation is straightforward, requiring no specific software or hardware; simply connect the device, and it is ready for operation. Users can access live view and playback functions from any computer using Internet Explorer.

Designed for specialized applications, the NVRmini offers a simpler and more cost-effective solution compared to traditional standalone NVRs. It incorporates RAID technology to enhance data transfer speeds and ensure continuous system operation, even in the event of a disk drive failure.

Key Features

- **Linux Embedded System:** Ensures stability and protection against PC crashes and virus attacks.
- **Server-Client Architecture:** Facilitates robust and scalable surveillance solutions.
- **IP Camera Management:** Capable of managing 2, 4, 8, or 16 IP cameras (NV-4080S manages 8).
- **Online GUI Recording Schedule:** Provides flexible and intuitive scheduling for video recording.
- **Web-Based Management:** Allows convenient remote access and control via a web browser.
- **SATA HDD Bays:** Equipped with 2 or 4 embedded SATA HDD bays (NV-4080S has 4).
- **Multi-Monitor Live Display:** Supports live display of up to 128 channels across multiple monitors.
- **RAID Technology Support:** Enhances data transfer speed and ensures continuous system operation with RAID 0, 1, 5, 10.

Setup Guide

Setting up your NUUO NV-4080S NVRmini is designed to be straightforward. Follow these general steps for initial installation:

1. **Unpacking:** Carefully remove the NVRmini from its packaging. Ensure all components are present.
2. **Hard Drive Installation:** The NVRmini supports up to 4 SATA II hard drives. Open the drive bays and securely install your hard drives. Refer to the specific drive bay instructions for proper alignment and connection.
3. **Network Connection:** Connect the NVRmini to your network using an Ethernet cable (RJ45) to the LAN port. Ensure your network provides DHCP or assign a static IP address as needed.
4. **Power Connection:** Connect the power adapter to the NVRmini and then to a power outlet. The device will power on automatically or via a power button.
5. **IP Camera Connection:** Connect your IP cameras to the same network as the NVRmini. The NVRmini will discover and manage up to 8 IP cameras.
6. **Initial Access:** From a computer on the same network, open Internet Explorer and enter the NVRmini's IP address to access its web-based management interface for further configuration.



Figure 2: A detailed view of the NVRmini, highlighting its robust casing and design for optimal ventilation, crucial for stable operation.

Operation

The NUUO NV-4080S NVRmini offers intuitive web-based management for all operational aspects:

- **Live View:** Access real-time video feeds from all connected IP cameras through the web interface.
- **Playback:** Review recorded footage by selecting specific dates and times. The system supports efficient search and playback functionalities.
- **Recording Schedule:** Configure recording schedules for each camera, including continuous, motion-triggered, or alarm-based recording.
- **System Configuration:** Manage network settings, user accounts, storage settings (including RAID configuration), and system logs.
- **Event Management:** Set up alerts and notifications for various events, such as motion detection, camera disconnection, or disk errors.

Maintenance

To ensure the longevity and optimal performance of your NUUO NV-4080S NVRmini, consider the following maintenance guidelines:

- **Environmental Conditions:** Operate the NVRmini within the specified temperature range of 5°C to 35°C (41°F to 95°F) and humidity range of 10% to 85%. Avoid direct sunlight, excessive dust, and extreme temperatures.
- **Ventilation:** Ensure adequate airflow around the device. Do not block ventilation openings.

- **Firmware Updates:** Periodically check the official NUUO website for firmware updates. Keeping the firmware up-to-date can improve performance, add new features, and address security vulnerabilities.
- **Data Backup:** Regularly back up critical surveillance footage to external storage, especially if not utilizing RAID for redundancy.
- **RAID Monitoring:** If RAID is configured, regularly monitor the health of your hard drives through the NVRmini's web interface to detect and address potential drive failures promptly.
- **Cleaning:** Gently clean the exterior of the device with a soft, dry cloth. Do not use liquid cleaners or aerosols.

Troubleshooting

This section provides general guidance for common issues. For detailed troubleshooting, refer to the official NUUO support resources.

- **No Power:** Ensure the power adapter is securely connected to both the NVRmini and a working power outlet. Check the power indicator light on the device.
- **No Network Connection:** Verify the Ethernet cable is properly connected to the NVRmini and the network router/switch. Check network settings (IP address, subnet mask, gateway) in the NVRmini's configuration.
- **Cannot Access Web Interface:** Confirm the NVRmini's IP address is correct and your computer is on the same network segment. Try clearing your browser's cache or using a different browser.
- **IP Cameras Not Displaying:** Ensure IP cameras are powered on and properly connected to the network. Verify camera IP addresses and credentials are correctly configured in the NVRmini's settings.
- **Recording Issues:** Check hard drive status and available storage space. Verify recording schedules and event triggers are correctly set.
- **RAID Degraded/Failed:** If a RAID array shows a degraded or failed status, identify the faulty drive and replace it immediately. The system should rebuild the array automatically.

If you encounter persistent issues, it is recommended to consult the comprehensive online documentation or contact NUUO technical support.

Technical Specifications

Feature	Specification
Brand	NUUO
Model Number	NB39 (NV-4080S)
Compatible Devices	Camera
Number of Channels	8
Media Format Digital Video	HDD
Number of Drive Bays	4x SATA II
RAID Level Support	RAID 0, 1, 5, 10
I/O Interface	2 x USB 2.0
LAN Transfer Speed	10/100/1000 Mbps (RJ45)
Voltage	100–230 V
Dimensions (L x W x H)	188.2 x 152.5 x 227.6 mm

Feature	Specification
Weight (without drives)	2.5 kg (5.5 lbs)
Operating Temperature	5°C to 35°C (41°F to 95°F)
Operating Humidity	10% - 85%
Connectivity Technology	USB
Date First Available	14 Dec. 2013

Warranty and Support


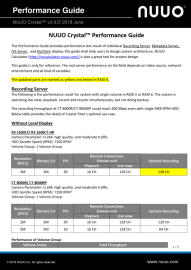
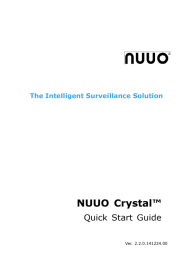
Specific warranty details for the NUUO NV-4080S NVRmini are typically provided at the point of purchase or within the product packaging. For the most accurate and up-to-date warranty information, please refer to the documentation included with your device or visit the official NUUO website.

For technical support, software updates, and additional resources, please visit the official NUUO support portal. Their website provides comprehensive FAQs, downloads, and contact information for customer service.


This manual is intended for informational purposes only. Specifications and features are subject to change without notice.



Related Documents

	<p>NUUO CT-8000 Series: IP Appliance and Network Storage Solutions</p> <p>Explore the NUUO CT-8000 Series, featuring powerful IP Appliances and Network Storage solutions for robust video management. Discover key features, technical specifications, and integration capabilities for advanced surveillance systems.</p>
	<p>NUUO Crystal Performance Guide: Server Throughput and IVS Capabilities</p> <p>Comprehensive performance data for NUUO Crystal™ video surveillance systems, detailing server throughput, recording capabilities, and Intelligent Video System (IVS) channel performance across various models and configurations. Includes H.264 and H.265 codec support.</p>
	<p>NUUO Crystal Quick Start Guide</p> <p>A quick start guide for setting up and installing the NUUO Crystal surveillance solution, covering unpacking, hardware installation, software setup, and initial configuration.</p>

NVRsolo Plus



Release Version: 3.0.0.0 (2023-03-02) (Rev. 1.0.0.0)

Model: NVR-1080P-4CH

Category	Item	Version	Release Date
Hardware	1080P 4CH	3.0.0.0	2023-03-02
	1080P 4CH	3.0.0.0	2023-03-02
	1080P 4CH	3.0.0.0	2023-03-02
	1080P 4CH	3.0.0.0	2023-03-02
Application	1080P 4CH	3.0.0.0	2023-03-02
	1080P 4CH	3.0.0.0	2023-03-02
	1080P 4CH	3.0.0.0	2023-03-02
	1080P 4CH	3.0.0.0	2023-03-02
Accessories	1080P 4CH	3.0.0.0	2023-03-02
	1080P 4CH	3.0.0.0	2023-03-02
	1080P 4CH	3.0.0.0	2023-03-02
	1080P 4CH	3.0.0.0	2023-03-02

New Updates:

1. Enhancements

a. Added the capability for remote live view to display up to 16 split screens.

b. Web page title setting now extends the user selection limit.

c. Security lock.

2. Security Updates

a. Strengthened local password protection and implemented a time-based change mechanism to mitigate brute force attacks.

b. Upgraded OpenSSL version to 1.1.1m.

c. Upgraded PHP version to 8.2.7.

d. Upgraded libjpeg with server version to 1.6.0.

3. Bug Fixes

a. Resolved an operational anomaly in 1080P 4CH.

b. Fixed an issue where selecting "Snapshot" as a view snapshot device caused a crash.

c. Addressed an issue where the webpage froze when...

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[NUUO NVRsolo Plus Release Notes](#)

Detailed release notes for NUUO NVRsolo Plus, covering software versions, enhancements, security updates, and bug fixes from 2017 to 2023.