NUUO NVRmini
Linux Embedded NVR Standalone

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NUUO NVRmini is the world's pioneer Linux embedded NVR standalone for IP surveillance cameras (Network Cameras). With Linux embedded system, NUUO NVRmini offers the most stable, open, easy installation and free from virus attack platform for small to mid-size factories, buildings, supermarket, office, transportation system, and homes.
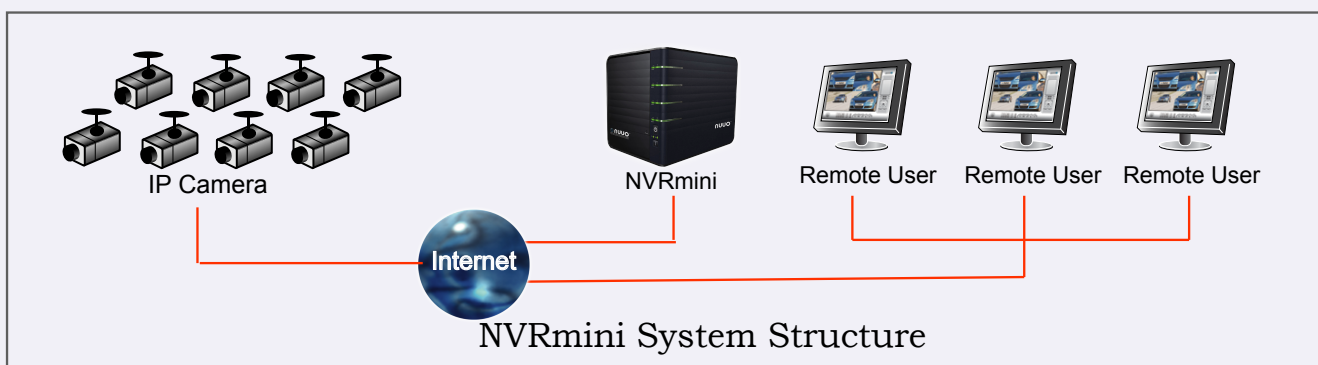
This unique and mini NVR-S supports 2/4 hard disks, and 4/8 IP cameras. It's an open platform, and will support more IP camera brands in the future. Moreover, it is featured with its easy installation. Without installing any specific software or hardware, the installation process is just only the action "plug, then play".

Applying Internet Explorer as its application, users can do the live view or playback functions everywhere through internet. Thanks for internet application, NVRmini is designed simpler than normal NVR standalone and can be your cost efficient solution when choosing.

Utilizing NUUO specific NVR technology, it is featured with event trigger recording, online GUI recording schedule, instant playback system, intelligent search in 5 ways, real-time AV viewer, and I/O device integration. Initiative of NVRmini technologies, NUUO sets the bar of IVS industry.

AXIS COMMUNICATIONS | **D-Link** | **level one** | **LINKSYS** A Division of Cisco Systems, Inc.
Panasonic | **SONY** | **VIVOTEK** | **ZAVIO**

- Linux based NVR standalone
- Free from PC crash and virus attack
- Easy installation solution
- Open platform for 8 brands IP cameras
- Web-based network architecture
- Recording without PC turning on
- Support D1, real-time recording
- Manage 4/8 IP Cameras
- Real-Time A/V viewer
- Intelligent search in 5 ways
- Instant playback control
- I/O device integration
- Online GUI recording schedule
- Up to 2/4 SATA 3G/s drives
- Support RAID 0,1,5,10
- Supported by NUUO CMS

IP Camera   NVRmini   Remote User   Remote User   Remote User

Internet

NVRmini System Structure

NVRmimi Specification

Model	NV-2040	NV-4080
Recording Cameras	1~4	1~8
Number of Drives	2xSATA II *	4xSATA II *
RAID Level	RAID 0,1	RAID 0, 1, 5, 10
I/O Interface	1xUSB 2.0	2xUSB 2.0
LAN Transmission Speed	10/100/1000 Mbps (RJ45)	10/100/1000 Mbps (RJ45)
Dimension	86.1 x 145.9 x 211.6 mm	188.2 x 152.5 x 229.6 mm
Temperature	Operating: 5°C to 35°C	
Humidity	Operating: 10%-85%	

Video

IP Camera Brand Support	Axis, D-Link, Level One, Panasonic, Sony, Vivotek, Zavio, Linksys	
Compression Format	MPEG-4;M-JPEG (depend on IP camera)	
Video Setting	Resolution, quality, frame rate	

Recording

Recording Performance	Up to 120 fps (NTSC) / 100 fps (PAL) at D1	Up to 240 fps (NTSC) / 200 fps (PAL) at
Recording Type	continuous record, record by schedule, manual record, event trigger record, digital input trigger record	
Auto Recycling Recording	Auto recycling when storage disk is full.	
Audio & Video Recording	Audio & video recording in synchronization.	

Playback

Smart Search	General motion, Missing object, Foreign object, Lose focus, Camera occlusion	
Playback Control	Playback, fast forward/backward	

Remote PC Minimum Requirements

OS Supported	Windows 2000/ XP/ 2003/ Vista	
CPU	Pentium 4 – 2.4 GHz	Pentium 4 – 2.8 GHz
RAM	512 MB	
User Interface	1. HTTP Web browser - Internet Explorer 6 or later 2. NUUO Client Application Program	

Client Application Program

Remote Live View channel	Live View Maximum 16 channels at the same time.
Remote Live View Control	Live view, preset/go, PTZ functions, remote IO, snapshot
Remote Playback Control	Playback, backward playback, fast forward/backward, …

1. Introduction

With more and more users apply IP cameras in their surveillance system, the demands of this system are changing. Instead of complexity control modes or always viewing, they need a reliable storage system which can be accessed remotely and record for a long while. In addition, the crash and virus issues of Windows platform are huge problems. Losing video records always frustrates users who need to find out the truth.Linux embedded NAS with surveillance system is a new solution which solves the difficulties users face.

2. Easy Installation Solution

Standalone system is always featured with its easy installation. Without installing surveillance software or assembling hardware, users just need to insert the disks then connect this unit to the internet. After connecting, users can find it through a specific application, and then login their units through browser. The whole installation process is very simple, almost plug then play, which can extremely decrease the cost and time of installation.

3. Web-based architecture

After installation, users can do their settings through the browser. Users don't need to standby aside the unit because they can access their unit anytime. Without a specific application to communicate with their units, browser-based architecture allows users to access their units everywhere. Anywhere and anytime, this is the convenience which the web-based architecture surveillance system brings to users.

In addition, some surveillance systems apply AJAX (Asynchronous JavaScript and XML). With this technology, it's no need for web page to refresh all the time while adjusting the settings on the page. This is why web page can respond quickly to users, and users can read the information very instantly.

4. Open Platform

When applying IP cameras, open platform is a very important factor to all users An open platform can support more brands of IP cameras, which provides more extensibilities and flexibilities for users.

5. Linux Embedded System

The crash and virus issues of Windows platform always frustrate many users because of losing recorded data. To the solution like remote surveillance storage system, the stability will become the most important thing because users don't always put their attention on the image from cameras. Linux system is featured with its stability and free from virus attack, which will provide users a reliable platform to record in faith.

6. High performance (D1, real-time)

High performance is not easy to find in this kind of solutions, however, users do have this kind of demands. With D1 and real-time recording, it's easy to find out the target. To users who don't always view the image from cameras, the recording resolution and frames per second become more important than PC based solution.

7. Multi-channel Playback and Smart Search

Multi-channel playback let users compare image from different cameras simultaneously. With this function, users can easily track any objects from one camera to another. However, tracking some targets from a lot of recorded video, especially this kind of surveillance storage system,is not an easy mission. As a result, search tool is more and more important in current surveillance system. Intelligent search tool includes motion detection, foreign object detection, missing object detection, lose focus, camera occlusion, etc, which let users quickly find out what they really want.

8. RAID System

Since this kind of surveillance system is always on recording schedule, the protection of the recorded video will become more and more important. RAID system provides surveillance system users a new solution for data protection With its various storage types, users can choose the most suitable type to avoid data loss.There are 4 kinds of RAID system applied mostly: 0, 1, 5, 1+0

About NUUO

The Intelligent Surveillance Solution enhanced surveillance cameras with advanced and comprehensive technologies. Initiative of NVR and NDVR Hybrid technologies with IVS detections. Open platforms is an essential practice which inspires NUUO to integrate most of network hardware brands.NUUO presents three key functionalities, easy setting/ searching, guarding, and warning. it's proven and widely applied in 13800 installation points from 60 countries, within diverse industries such as government, mass transportation, historical construction, bank,hotel, school, casino, and personal offices.

NUUO™

The Intelligent Surveillance Solution