

# NAS NVRmini Linux Embedded Standalone

Support Megapixel and H.264 cameras



Manage 4/8/16 IP Cameras



## Key Benefit

### Stability and Reliability

NVRmini is a linux-embedded system that is free from virus attack. With its server-client architecture, NVRmini provides a most stable and high quality monitoring and recording performance. Not only does its software offer a top quality performance, but the hardware enhances stability as well by supporting 4 RAID levels, smart fan, HDD SMART, auto power on, UPS and much more.

### Easy to Use

A top user-friendly system should combine fast and flexible configuration with easy operation. With a few simple steps for installation, the web-based management leads users to configure, monitor and playback video everywhere. UPnP search, auto camera detection and GUI schedule save setting-up time, while the easy drag and drop camera, auto scan, preset point patrolling, and multiple views offer users a prime monitoring experience.

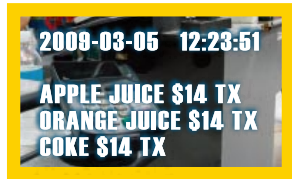
### Value-added surveillance features

There are some outstanding features and benefits included in the NVRmini, one of which is Point of Sale (POS). POS data is displayed on live screen of designated channels, and users can fast search POS transaction and related video records. Another feature is video enhancement and intelligent search which speeds up the time of event search. Still another NVRmini feature is the digital watermark on exported video and snapshots, which prevents data from being tampered with without awareness.

## Key features

- Server-Client Architecture
- Easy installation – only 4 steps
- Web-based Live Viewer
- Online GUI recording schedule
- Recording without PC turning on
- Up to 2/4 SATA HDD bays
- RAID 0,1,5,5+spare,10
- Support D1, real-time recording
- Support audio
- Real-time digital output and email alert
- Up to 128 CH remote liveview
- Playback with 5 intelligent search
- Support Point of Sale (POS)
- Support digital watermark
- Supported by NUUO Central Management System

## Web-Based Liveview

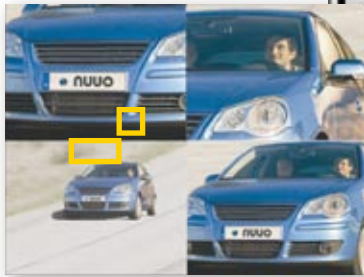


### Point of Sale (POS)

POS text overlay on live view video and recordings. All recorded POS transactions are searchable in the NVRmini database.



- Web-based management (Recommend on IE7 or above)
- Up to 128 CH remote live display on multiple monitors
- Easy drag-and-drop camera on screen
- Camera PTZ integration
- Digital PTZ
- Auto scan
- Multiple views
- Preset point set, go and patrolling
- Support joystick
- System event popup
- Camera event on screen display and sound notification



### Multiple View

with duplicating camera on screen and with different digital zoom image.

## Intelligent Playback



- Open record by time, graphic record, event log
- Multi-channel playback
- Playback system with 5 intelligent search
- Video enhancement
- POS search
- Support digital watermark on exported video or snapshot
- Evidence Export
- Auto backup video to FTP

### Video Enhancement

Fine-tune the image's visibility, sharpness, brightness, contrast or even grey scale.



## 5 intelligent search



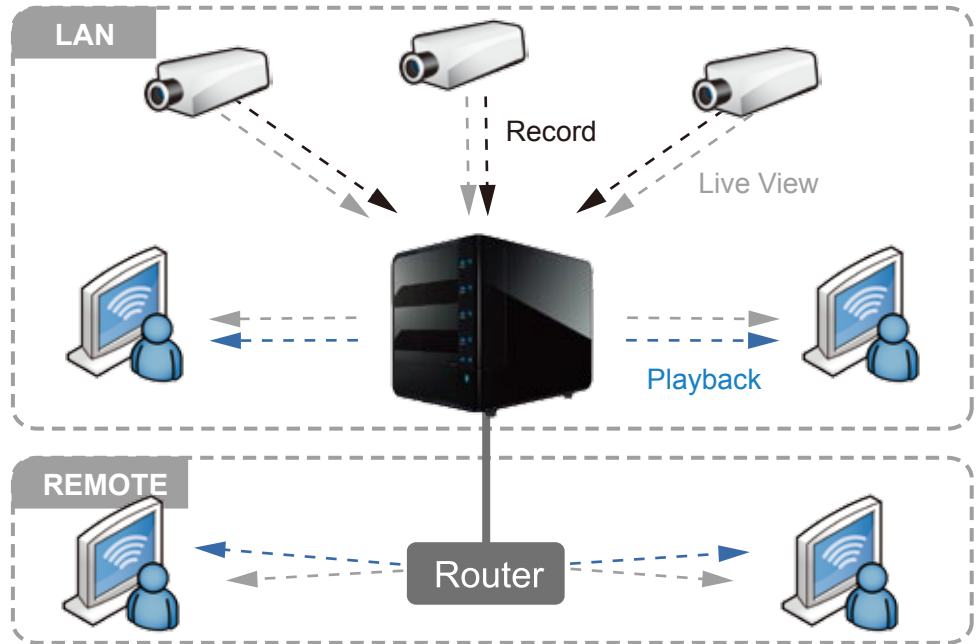
### Multiple Language Support

Czech , Dutch , English , French , German , Italian , Japanese , Korean , Polish , Portuguese (Brazil) , Russian , Spanish , Swedish , Traditional Chinese



# Server-Client Architecture

- Linux Embedded – Free from PC crash and virus attack
- RAID 0,1,5,5+spare and 10, prevention of data loss
- Online GUI recording schedule
- Recording without PC turning on
- Support Megapixel Camera and H.264 Compression Format
- Support D1, real-time recording
- Support audio recording
- Camera I/O integration
- Real-time digital output, email and NUUO CMS alert
- Four kinds of user authorities: administrator, power user, user, and guest
- Log System
- Support Point of Sale (POS)



**Server-Client Architecture**  
Centralizes all video data transaction only via NVRmini to remote clients, thus ensure good recording quality even with maximum of remote client access.



**Linux-Embedded**  
Embedded Linux for high stability and free from virus attack



**Easy Installation**  
Only 4 step Plug and Play



**Web-Based Live Viewer**  
Users can login anytime anywhere via Internet Explorer and can login via four different user groups: administrator, power user, user, and guest.



**Compatible with CMS**  
Ultimate central monitoring solution for grand scale projects and projects with multiple sites.



**H.264, MPEG4, M-JPEG, MxPEG**  
Support H.264, MPEG4, M-JPEG, MxPEG compression format for different needs and H.264 increases the storage capacity.



**Intelligent Search**  
Search recorded video for 5 events including general motion, foreign object, missing object, loss focus and camera occlusion.



**RAID 0,1,5,5+spare,10**  
Support RAID 0,1,5,5+ spare and 10 for maximum capacity or data protection.



**PTZ Control**  
Software enables digital PTZ function. Physical PTZ control and preset/go functions are also available.



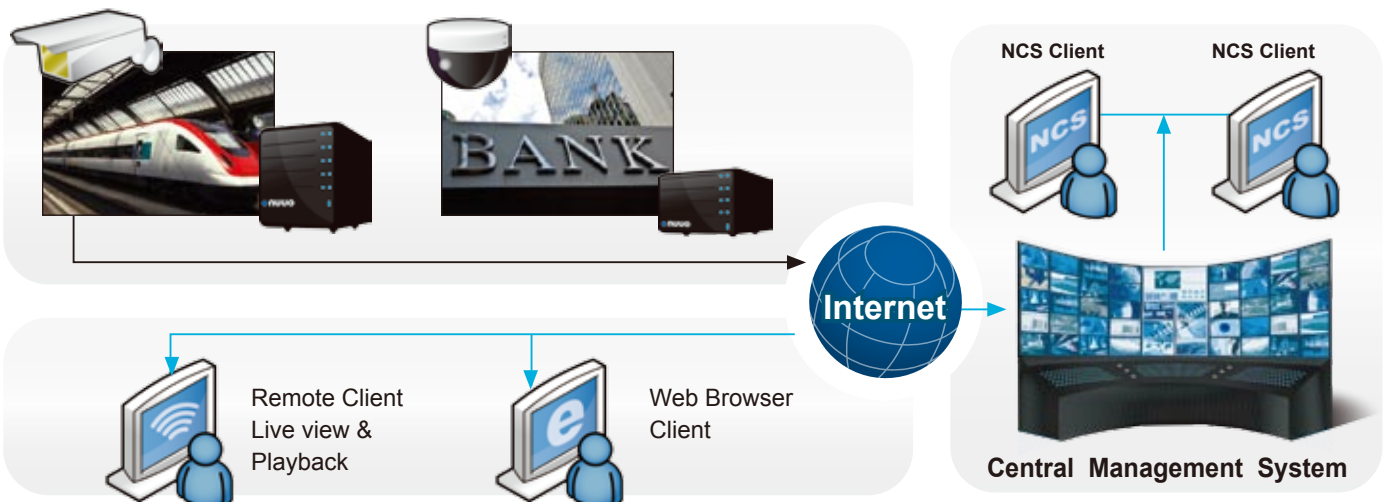
**128CH Remote Live View**  
Monitor multiple NUUO servers (NVR, DVR, NDVR and NVRmini) simultaneously in one single interface.



**Email Alert**  
Notify users on camera and system event through sound, digital output, E-mail and NUUO CMS alert.

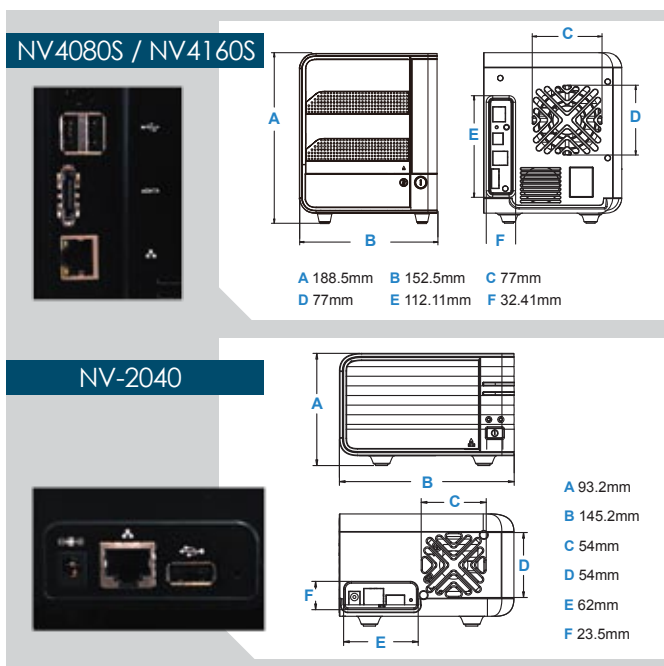


**Point of Sale (POS)**  
All recorded POS transactions are searchable in the NVRmini database.



## Specification

Model	NV-2020	NV-2040	NV-4080S	NV-4160S
Recording Camera	1-2	1-4	1-8	1-16
Number of Drives	2xSATA II	2xSATA II	4xSATA II	4xSATA II
RAID Level	RAID 0,1	RAID 0,1	RAID 0, 1, 5, 5+Spare, 10	RAID 0, 1, 5, 5+Spare, 10
I/O Interface	1xUSB 2.0 (for UPS)	1xUSB 2.0 (for UPS)	2xUSB 2.0 (for UPS), 1xeSATA	2xUSB 2.0 (for UPS), 1xeSATA
LAN Transmission Speed	10/100/1000 Mbps (RJ45)	10/100/1000 Mbps (RJ45)	10/100/1000 Mbps (RJ45)	10/100/1000 Mbps (RJ45)
Dimension	92.0 x 145.2 x 213.2 mm	92.0 x 145.2 x 213.2 mm	188.5 x 152.5 x 227.6 mm	188.5 x 152.5 x 227.6 mm
Temperature	Operating: 5°C to 35°C (±5°C)			
Humidity	Operating: 10%-85%			
Compression Format	MPEG4, M-JPEG, H264, MxPEG (Depends on IP camera)			
Recording Performance	Camera dependent	Camera dependent	Camera dependent	Camera dependent
	(Around 60fps at 1.3M) Total bitrate: 20Mbps	(Around 60fps at 1.3M) Total bitrate: 20Mbps	(Around 185fps at 1.3M) Total bitrate: 65Mbps	(Around 160fps at 1.3M) Total bitrate: 55Mbps
Remote PC CPU	Intel Core 2 Duo, 2.6 GHz			
Remote PC RAM	1 GB			
User Interface	HTTP Web browser - Internet Explorer 7 or later/ NUUO Client Application Program			
Recording Type	Continuous record, Record by schedule, Manual record, Event trigger record, Digital input trigger record			
Remote Live View Control	Live view, Preset / Go, PTZ functions, Remote I/O, Snapshot			
Audio & Video Recording	Audio & video recording in synchronization			
POS	Live view, record and search for every transaction			
Auto Backup	Automatically backup the recorded video of the previous date to FTP			
Smart Search	General motion, Missing object, Foreign object, Lose focus, Camera occlusion			
Remote client OS Supported	Windows XP/ 2003/ Vista/ 7			
Remote Live View connections	Live view maximum 16 connections at the same time			
IP Camera Brand Support	ACTi, ArecontVision, Axis, Brickcom, Cisco, CNB, D-Link, Eneo, HIKVision, IQinVision, LevelOne, Lumenera, Linksys, Mobotix, Panasonic, Samsung, Santec, SANYO, Sony, StarDot, Toshiba, VIVOTEK, Zavio			



## Support 23 brands of IP cameras and 680 models



### About NUUO

NUUO is the world's leading provider of open platform video management solutions. Combining IP and analog technologies with IVS detections, NUUO guarantees a comprehensive security and surveillance solution to meet your high standard demands. Simple to install and manage, with customer-proven reliability, a high compatibility for 3rd party system integration and a wide range of IP camera support solutions in more than 20,000 worldwide installations, NUUO is dedicated to providing a flexible, user-friendly surveillance solution for large-scale and high-level enterprise projects as well as for small-and-medium business.