

## NUUO NAS NVRmini Specification

NUUO NAS NVRmini



System Diagram



## Wireless IP Surveillance Solution

### Main Features

- Linux Embedded – Free from PC crash and virus attack
- Server-Client Architecture
- Web-Based Network Appliance Architecture, remote live viewing

- Easy Installation
- Support Point of Sales (POS)
- Manage 4/8/16 IP Cameras
- Up to 2/4 SATA HDD
- Support RAID 0,1,5,5+spare,10
- Support Megapixel Camera and H.264 Compression Format
- Support D1, Real-time Recording
- Intelligent Search for 5 Different Events
- Online GUI Recording Schedule
- I/O Device Integration
- Supported by NUUO CMS
- Remote Client Application program – Connect unlimited NAS servers

### Hardware Specifications

| Model                         | NV-2040                        | NV-4080                        | NV-4160                        |
|-------------------------------|--------------------------------|--------------------------------|--------------------------------|
| <b>Recording Cameras</b>      | 1~4                            | 1~8                            | 1~16                           |
| <b>Number of Drives</b>       | 2xSATA II                      | 4xSATA II                      | 4xSATA II                      |
| <b>RAID Level</b>             | RAID 0,1                       | RAID 0, 1, 5, 10               | RAID 0, 1, 5, 10               |
| <b>I/O Interface</b>          | 1xUSB 2.0 (for UPS)            | 2xUSB 2.0 (for UPS)            | 2xUSB 2.0 (for UPS)            |
| <b>LAN Transmission Speed</b> | 10/100/1000 Mbps (RJ45)        | 10/100/1000 Mbps (RJ45)        | 10/100/1000 Mbps (RJ45)        |
| <b>Voltage</b>                | 100-240V                       | 100-230V                       | 100-230V                       |
| <b>Dimension (device)</b>     | 92.0 x 145.2 x 213.2 mm        | 188.2 x 152.5 x 227.6 mm       | 188.2 x 152.5 x 227.6 mm       |
| <b>Weight (device)</b>        | 1.0 kg (2.2lbs) without drives | 2.5 kg (5.5lbs) without drives | 2.5 kg (5.5lbs) without drives |
| <b>Temperature</b>            | Operating: 5°C to 35°C         |                                |                                |
| <b>Humidity</b>               | Operating: 10%-85%             |                                |                                |

### Software Specifications

- **Camera Configuration**
  - Camera Settings – Camera name, IP address, port, username, password, protocol, vendor, model
  - UPnP Search
  - Camera Parameter – Video format, frame rate, quality, resolution, enable audio, go to camera interface
  - Camera Status – Conn. Status, Rec. status, frame rate, bit rate
- **Recording and Schedule**
  - Video Compression – H.264, M-JPEG, MPEG4, MxPEG
  - NV-2040 Recording Performance – D1, 30fps; 1.2M, 12fps(M-JPEG) per channel
  - NV-4080 Recording Performance – D1, 30fps; 1.2M, 12fps(M-JPEG) per channel
  - NV-4160 Recording Performance – Total bitrate: 22Mbps
  - Maximum Recording Resolution – 8 Mega-pixel
  - Audio & video recording in synchronization
  - Auto recycling when storage disk is 2% remained / Keep n days video
  - Recording Mode – Continuous record, record by schedule, manual record, event trigger record, digital input trigger record.
  - Recording Schedule – Daily and weekly; copy schedule to other channel
  - Recording File Format – DAT
- **Live View**
  - Display Maximum 4/8/16 channels
  - Camera List
  - Camera Status
  - I/O Status
  - I/O Control
  - Grip Type – 1/4/9/16/fullscreen
  - Snapshot
  - PTZ Control
  - PTZ Preset/Go – Save the definition of PTZ camera lens as a preset point and allow cameras quickly move to the location.
  - Digital Zoom – Zoom in, zoom out
  - Video Control – Play, stop, drop
  - Audio Enable/Disable

- Live View Setting – OSD, enable playing sound on event, POS OSD
- **Playback & Search**
  - Playback Maximum 4/8/4 channels
  - Grip Type – 1/4/9/fullscreen
  - Time Bar
  - Que in and Que out
  - Video Control – Play, stop, pause, forward, backward, next, previous
  - Digital zoom in for specific area
  - Speed up and Speed down
  - Audio Control
  - Video Enhancement – Visibility, sharpen, brightness, contrast, grey scale
  - Export video to “AVI” and “ASF” file
  - Export single frame to “BMP, JPEG” file and print out
  - Print
  - Back up video by burning to disc and into hard disk
  - Intelligent Search
    - General Motion
    - Foreign Object
    - Missing Object
    - Loss Focus
    - Camera Occlusion
  - Easily search the period of recording data and unusual event by clicking the button: the most efficient way to get the recording information.
  - POS Search – Keyword, search within result
- **Event & Action**
  - 3 Camera Events and 3 System Events
    - Camera Events:
      - Connect Lost
      - Motion from Camera
      - Camera Input
    - System Event:
      - Disk Space Exhausted
      - Unable to access FTP (Auto Backup)
      - Backup unfinished (Auto Backup)
  - Immediate Reaction for Event Detection:
    - Camera Output
    - E-mail
    - CMS
  - Daily System Report through E-mail – System information, HDD status, Disk status
- **RAID & File System**
  - RAID – 0,1,5,5+spare,10
  - Online RAID Capacity Expansion
  - Online RAID Level Migration
  - HDD S.M.A.R.T
  - 1.5 TB HDD Support
  - Hot Swap
  - Auto Backup – Automatically backup the recorded video of the previous date to FTP
- **POS**
  - Live View – Live view the transactions and image
  - Record and Playback – Record and search every transaction of ATM and perform validity checks
  - POS Search – Keyword, search within result

- **Remote Server and Control**
  - Remote Live Viewer by client application program – Display maximum 16 channels
  - Remote Playback System by client application program – Playback maximum 16 channels
  - Remote Backup System by client program – Backup data on hard disk/CDROM; delete data
- **Others**
  - Privilege of Remote User – Administrator, power user, user, guest user
  - Log System – Hardware log, NVR log, NVR Event log
  - Save/load configuration
  - Support APC UPS – Smart-UPS 750, Back-UPS ES
  - Language Support – English, Japanese, Traditional Chinese, Spanish, Deutsch, French, Italian, Russian, Czech, Korean, Polish

## IP Camera Brand(s) Supported

