

## DS-9600NI-I16/H SERIES NVR



### Features and Functions

#### Professional and Reliable

- Pluggable HDD design provides a convenient HDD installation and maintenance way; Unique chassis based on patented design ensures environmental friendly and low-noise running.
- Adopts professional embedded hardware and software, and pioneering dual-OS design to ensure the reliability of system running.
- Supports redundant power supply to improve the system stability.
- Adopts ANR technology to enhance the storage reliability when the network disconnected.
- Supports HDD hot swap with RAID0, RAID1, RAID5, RAID 6, and RAID10 storage scheme configurable.
- Either normal or hot spare working mode is configurable to constitute an N+1 hot spare system.
- Extension board is optional.

#### HD Input

- Connectable to the third-party network cameras like ACTI, Arecont, AXIS, Bosch, Brickcom, Canon, ONVIF, PANASONIC, Pelco, PSIA, SAMSUNG, SANYO, SONY, Vivotek and ZAVIO.
- Up to 128/256 IP cameras can be connected.
- Supports live view, storage, and playback of the connected camera at up to 12 megapixels resolution.

#### HD Output

- Simultaneous HDMI 1/VGA output as the main output and the HDMI 2 works as the auxiliary output.
- Video outputs at up to 4K (4096×2160) resolution.
- Supports decoding up to 20 channels at 1080p resolution.

#### HD Storage

- Up to 16 SATA hard disks can be connected, for both recording and backup.

#### HD Transmission

- 4 self-adaptive 10M/100M/1000M network interfaces.

#### Various Applications

- Centralized management of IP cameras is supported, including configuration, information import/export, real-time information display, two-way audio, upgrade, etc.
- Connectable to smart IP cameras from Hikvision and the recording, playing back, and backing up of VCA alarms can be realized.
- VCA detection alarm is supported.
- VCA search for face detection, behavior analysis, people counting and heat map.
- Supports starting record with one key.
- Realizes instant playback for assigned channel during multi-channel display mode.
- Smart search for the selected area in the video; and smart playback to improve the playback efficiency.
- Supports HDD quota and group modes; different capacity can be assigned to different channels.



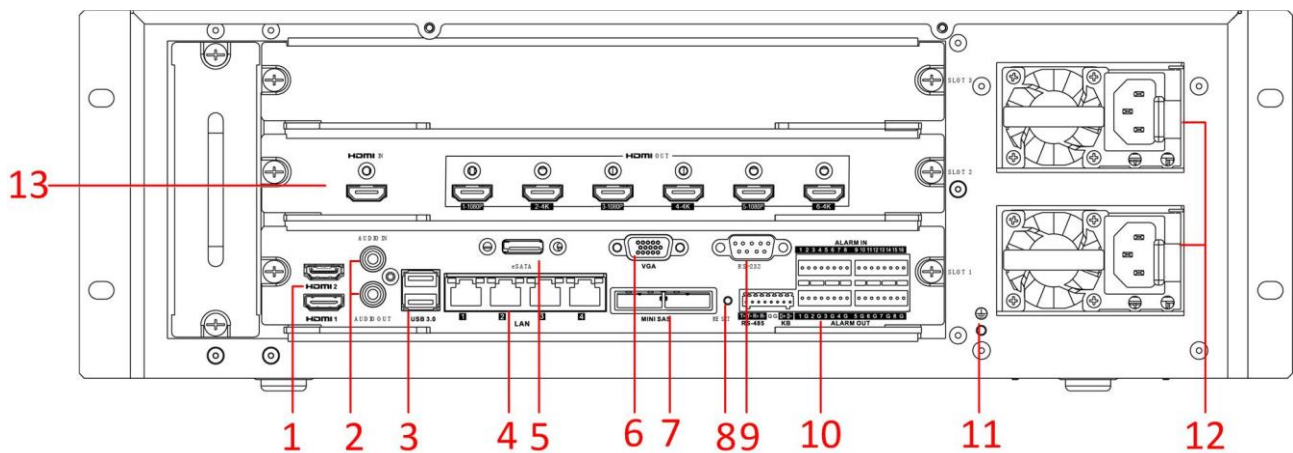
## Specifications

| Model                  |   | DS-96128NI-I16/H   | DS-96256NI-I16/H  |
|------------------------|---|--|-------------------|
| Video & Audio input    | IP video input                          | 128-ch   | 256-ch            |
|                        | Incoming/outgoing bandwidth             | 768 Mbps/512 Mbps  | 768 Mbps/768 Mbps |
|                        | Incoming/outgoing bandwidth (RAID mode) | 768 Mbps/512 Mbps  | 768 Mbps/768 Mbps |
|                        | Protocol                                | HIKVISION, ACTi, ARECONT, AXIS, BOSCH, BRICKCOM, CANON, HUNT, ONVIF (Version 2.5), PANASONIC, PELCO, PSIA, RTSP, SAMSUNG, SONY, VIVOTEK, ZAVIO   |                   |
| Video & Audio output   | HDMI output                             | Two independent HDMI outputs of 4K resolution. Resolution: 4K (4096 × 2160), 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz |                   |
|                        | VGA output                              | 1-ch. Resolution: 1080p (1920 × 1080) /60Hz, UXGA (1600 × 1200) /60Hz, SXGA (1280 × 1024) /60Hz, 720p (1280 × 720) /60Hz, XGA (1024 × 768) /60Hz   |                   |
|                        | LCD output (optional)                   | One 7 inch LCD   |                   |
|                        | Audio output                            | 1-ch. RCA (2.0 Vp-p, 1 KΩ)   |                   |
| Video & Audio decoding | Decoding format                         | H.265, H.265+, H.264, H.264+,MPEG4, MJPEG (for Hikvision IP camera only)   |                   |
|                        | Video resolution                        | 12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF  |                   |
|                        | Synchronous playback                    | Up to 16 channels  |                   |
|                        | Capability                              | 20-ch@1080p  |                   |
| HDD                    | Interface                               | 16 SATA interfaces supporting hot-plug   |                   |
|                        | Capacity                                | Up to 8 TB for each HDD  |                   |
| RAID                   | RAID Type                               | RAID0, RAID1, RAID5, RAID 6, and RAID10  |                   |
| Network management     | Protocol                                | IPv6, HTTPS, UPnP, SNMP, NTP, SADP, SMTP, NFS, iSCSI, PPPoE, DDNS  |                   |
|                        | Network interface                       | 4, RJ45 10M/100M/1000M self-adaptive Ethernet interface  |                   |
| External interface     | Two-way audio input                     | 1-ch, RCA (2.0 Vp-p, 1 KΩ)   |                   |
|                        | Serial port                             | 1 RS-485, Keyboard   |                   |
|                        | USB interface                           | Front Panel: 2 × USB 2.0; Rear Panel: 2 × USB 3.0  |                   |
|                        | Alarm input/output                      | 16/8   |                   |
|                        | Extension board (optional)              | One extension board is supported with four 10M/100M/1000M optical interfaces (1.25 Gbps SFP module), eight RS-485 interfaces, and alarm interface of 32 alarm inputs and 16 alarm outputs.   |                   |
|                        | Decoding board                          | 1  |                   |
| General                | Power supply                            | 100 to 240 VAC, 550W   |                   |
|                        | Fan                                     | Redundant dual ball bearing fan; Speed adjustable; Hot-plug  |                   |
|                        | Consumption (without HDD)               | ≤ 140W   |                   |
|                        | Working temperature                     | 0 °C to + 50 °C (32 °F to 122 °F)  |                   |
|                        | Working humidity                        | 10% to 90%   |                   |
|                        | Chassis                                 | 3U   |                   |
|                        | Dimension (W × D × H)                   | 442 × 494 × 146 mm (17.4 × 19.4 × 5.7 inch)  |                   |
|                        | Weight (without HDD)                    | ≤ 16 kg (35.3 lb)  |                   |

## Specifications

| Model                 |   | DS-96128NI-I16/H   | DS-96256NI-I16/H |
|-----------------------|---|--|------------------|
| Video wall management | HDMI output/input                         | 6/1  |                  |
|                       | HDMI output resolution                    | 4K(3840x2160)/60Hz, 4K (3840x2160)/30Hz, 2K (2560x1440)/60Hz, 1080p (1920x1080)/60Hz, SXGA (1280x1024)/60Hz, 720p (1280x720)/60Hz, XGA (1024x768)/60Hz |                  |
|                       | HDMI input resolution                     | 1080p (1920x1080), SXGA (1280x1024), 720p 1280x720, XGA (1024x768)   |                  |
|                       | Decoding capacity                         | 48-ch@1080p  |                  |
|                       | Decoding resolution                       | 12 MP/8 MP/7 MP/6 MP/5 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF   |                  |
|                       | Collage                                   | Supported  |                  |
|                       | Auto-switch                               | Supported  |                  |
|                       | Open window                               | Supported  |                  |
|                       | Layer overlay                             | Supported  |                  |
|                       | Window roaming                            | Supported  |                  |
|                       | Display local signal source on video wall | Supported  |                  |

## Physical Interfaces



| No. | Name                  | No. | Name               |
|-----|-----------------------|-----|--------------------|
| 1   | HDMI 1/2 Video Output | 9   | RS-232 Interface   |
| 2   | Audio Input           | 10  | Alarm Input        |
|     | Audio Output          |     | Alarm Output       |
| 3   | USB 3.0               |     | RS-485 Interface   |
| 4   | LAN                   |     | Keyboard Interface |
| 5   | eSATA Interface       | 11  | Ground             |
| 6   | VGA Video Output      | 12  | Power Supplies     |
| 7   | Mini SAS Interface    | 13  | Decoding board     |
| 8   | Reset Button          |     |                    |

## Available Models

DS-96128NI-I16/H; DS-96256NI-I16/H

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