

# DS-96000NI-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.

TANA BARANCE

- 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           | IP video input                                | 128-ch   | 256-ch            |  |
| input                   | Incoming/outgoing bandwidth                   | 768 Mbps/512 Mbps  | 768 Mbps/768 Mbps |  |
|                         | Incoming/outgoing<br>bandwidth (RAID<br>mode) | 768 Mbps/512 Mbps  | 768 Mbps/768 Mbps |  |
|                         | Protocol                                      | HIKVISION, ACTI, ARECONT, AXIS, BOSCH, BRICKCOM, CANON, HUNT, ONVIF (Version 2.5),<br>PANASONIC, PELCO, PSIA, RTSP, SAMSUNG, SONY, VIVOTEK, ZAVIO  |                   |  |
| Video & Audio<br>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)<br>/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 format                               | H.265, H.265+, H.264, H.264+, MPEG4, MJPEG (for Hikvision IP camera only)  |                   |  |
| decoding                | 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  |                   |  |
|                         | Interface                                     | 16 SATA interfaces supporting hot-plug   |                   |  |
| HDD                     | Capacity                                      | Up to 8 TB for each HDD  |                   |  |
| RAID                    | RAID Type                                     | RAIDO, RAID1, RAID5, RAID 6, and RAID10  |                   |  |
| Network                 | Protocol                                      | IPv6, HTTPS, UPnP, SNMP, NTP, SADP, SMTP, NFS, iSCSI, PPPoE, DDNS  |                   |  |
| management              | Network interface                             | 4, RJ45 10M/100M/1000M self-adaptive Ethernet 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  |                   |  |
| External<br>interface   | Alarm input/output                            | 16/8   |                   |  |
|                         | Extension board<br>(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  |                   |  |
|                         | Power supply                                  | 100 to 240 VAC, 550W   |                   |  |
|                         | Fan   | Redundant dual ball bearing fan; Speed adjustable; Hot-plug  |                   |  |
| General                 | Consumption<br>(without HDD)                  | ≤ 140W   |                   |  |
|                         | Working temperature                           | 0 °C to + 50 °C (32 °F to 122 °F)  |                   |  |
|                         | Working humidity                              | 10% to 90%   |                   |  |
|                         | Chassis                                       | 3U   |                   |  |
|                         | Dimension<br>(W × D × H)                      | 442 × 494 × 146 mm (17.4 × 19.4 × 5.7 inch)  |                   |  |
|                         | Weight<br>(without HDD)                       | ≤ 16 kg (35.3 lb)  |                   |  |

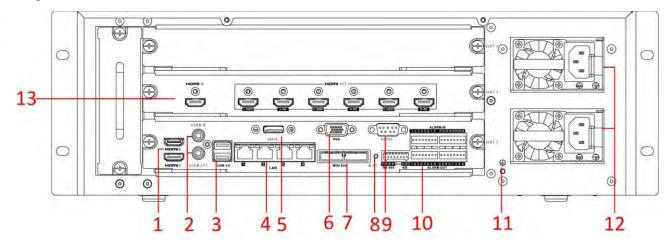


## Specifications

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



### **Physical Interfaces**



| No. | Name                  | No. | Name               |
|-----|-----------------------|-----|--------------------|
| 1   | HDMI 1/2 Video Output | 9   | RS-232 Interface   |
| 2   | Audio Input           |     | Alarm Input        |
|     | Audio Output 10       |     | Alarm Output       |
| 3   | USB 3.0               | 10  | 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

Distributed by

L

Г

## HIKVISION

Headquarters

No.555 Qianmo Road, Binjiang District, Hangzhou 310051, China T +86-571-8807-5998 overseasbusiness@hikvision.com

Hikvision USA T +1-909-895-0400 sales.usa@hikvision.com

Hikvision Italy T +39-0438-6902 info.it@hikvision.com

Hikvision Singapore T +65-6684-4718 sg@hikvision.com

Hikvision Africa T +27 (10) 0351172 sale.africa@hikvision.com Hikvision Europe T +31-23-55-42-770 info.eu@hikvision.com

Hikvision France T +33(0)1-85-330-450 info.fr@hikvision.com

Hikvision Oceania T +61-2-8599-4233 salesau@hikvision.com

Hikvision Hong Kong T +852-2151-1761 Hikvision Middle East T +971-4-8816086 salesme@hikvision.com

Hikvision Spain T +34-91-737-16-55 info.es@hikvision.com

Hikvision Canada T +1-909-895-0400 sales.usa@hikvision.com Hikvision Russia T +7-495-669-67-99 saleru@hikvision.com

Hikvision Poland T +48-22-460-01-50 poland@hikvision.com

Hikvision Korea T +82-31-731-8841 sales.korea@hikvision.com Hikvision India T +91-22-28469900 sales@pramahikvision.com

Hikvision UK T +01628-902140 support.uk@hikvision.com

Hikvision Brazil T +55 11 3318-0050 Latam.support@hikvision.com

© Hikvision Digital Technology Co., Ltd. 2016 | Data subject to change without notice |

030601161014