# DS-7604NI-E1/4P/A and DS-7600NI-E2/8P (16P)/A series NVR

## Introduction:

DS-7600NI-E1/4P/A and DS-7600NI-E2/8P (16P)/A series NVR (Network Video Recorder) is a new generation recorder developed by Hikvision independently. Combined with multiple advanced technologies, such as audio and video decoding technology, embedded system technology, storage technology, network technology and intelligent technology. It can both work alone as a recorder and cooperate with other device to form a comprehensive surveillance system.

The DS-7600NI-E1/4P/A and DS-7600NI-E2/8P (16P)/A series NVR are widely applied in the areas of finance, public security, military, communication, transportation, education, etc.
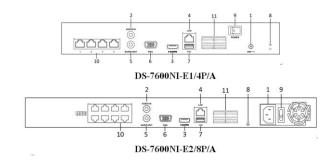
## Available Models:

DS-7604NI-E1/4P/A, DS-7608NI-E2/8P/A;
DS-7616NI-E2/8P/A, DS-7616NI-E2/16P/A;
DS-7632NI-E2/8P, DS-7632NI-E2/16P.

## Main Features:

- Connectable to the third-party network cameras like like ACTI, Arecont, AXIS, Bosch, Brickcom, Canon, ONVIF, PANASONIC, Pelco, PSIA, SAMSUNG, SANYO, SONY, Vivotek and ZAVIO.
- 4/8/16/32 network cameras can be connected for different models.
- Support live view, storage, and playback of the connected camera with up to the resolution of 6 megapixels.
- Simultaneous HDMI and VGA outputs at up to 1920×1080 resolution.
- New GUI and support starting record with one key.
- Multiple recording types: manual, continuous, alarm, motion, motion | alarm, motion & alarm.
- Realize instant playback for assigned channel during multi-channel display mode.
- Customization of tags, searching, and playing back by tags.
- Playback by sub-periods.
- Locking and unlocking record files.
- Support HDD quota mode; different capacity can be assigned to different channel.
- Up to 2 SATA hard disks can be connected with up to 4TB capacity for each.
- 1 self-adaptive 10M/100M/1000M network interface is provided.
- Up to 4/8/16 independent PoE network interfaces for different models.
- Support Hikvision DDNS (Dynamic Domain Name System).
- Support network detection, including network delay, packet loss, etc.
- Support enabling H.264+ to ensure high video quality with lowered bitrate.
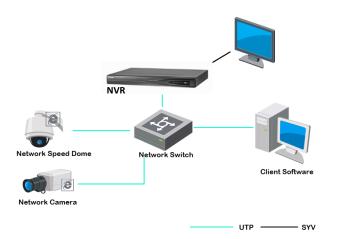
## Physical Interfaces:



DS-7600NI-E1/4P/A

DS-7600NI-E2/8P/A

NOTE The rear panel of DS-7616NI-E2/16P/A and DS-7632NI-E2/16P/A provides 16 independent 100 Mbps PoE network interfaces.

| Index | Name |
|-------|------|
| 1 | Power Supply |
| 2 | Audio In |
| 3 | HDMI Interface |
| 4 | LAN Network Interface |
| 5 | Audio Out |
| 6 | VGA Interface |
| 7 | USB Interface |
| 8 | Ground |
| 9 | Power Switch |
| 10 | Network Interfaces with PoE Function |
| 11 | Alarm I/O |

## Typical Connections:

# Specifications:

| Model | | DS-7604NI-E1/4P/A | DS-7608NI-E2/8P/A |
|---|---|---|---|
| **Video/Audio input** | **IP video input** | 4-ch | 8-ch |
| | **Two-way audio input** | 1-ch, RCA (2.0 Vp-p, 1kΩ) | |
| **Network** | **Incoming bandwidth** | 40Mbps | 80Mbps |
| | **Outgoing bandwidth** | 80Mbps | |
| | **Remote connection** | 32 | 128 |
| **Video/Audio output** | **Recording resolution** | 6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF | |
| | **Frame rate** | Main stream: 50 fps (P) / 60 fps (N) | |
| | | Sub-stream: 50 fps (P) / 60 fps (N) | |
| | **HDMI/VGA output** | 1-ch, resolution:<br>1920 × 1080 /60Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz,<br>1024 × 768 /60Hz | |
| | **Audio output** | 1-ch, RCA (Linear, 1kΩ) | |
| **Decoding** | **Live view / Playback resolution** | 6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF | |
| | **Capability** | 4-ch@1080P | 8-ch@720P, 6-ch@1080P |
| **Hard disk** | **SATA** | 1 SATA interface for 1 HDD | 2 SATA interfaces for 2 HDDs |
| | **Capacity** | Up to 4TB for each disk | |
| **External interface** | **Network interface** | 1 RJ-45 10 /100 /1000 Mbps self-adaptive Ethernet interface | |
| | **USB interface** | 1 × USB 2.0 and 1 × USB 3.0 | |
| | **Alarm in/out** | 4 / 1 | |
| **PoE** | **Interface** | 4 independent 100 Mbps PoE network interfaces | 8 independent 100 Mbps PoE network interfaces |
| | **Max. Power** | 50W | 120W |
| | **Supported standard** | AF and AT | |
| **General** | **Power supply** | 48V DC | 100~240V AC |
| | **Consumption (without hard disk and PoE)** | ≤10W | |
| | **Working temperature** | -10 ℃ ~ +55 ℃ (+14 ℉~ + 131 ℉) | |
| | **Working humidity** | 10 % ~ 90 % | |
| | **Chassis** | 1U chassis | 19-inch rack-mounted 1U chassis |
| | **Dimensions (W × D × H)** | 315 × 230 × 45mm (12.4"×9.1"×1.8") | 445 × 290 × 45mm (17.5" × 11.4" × 1.8") |
| | **Weight (without hard disk)** | ≤ 1 kg (2.2 lb) | |

| Model | | DS-7616NI-E2/8P/A | DS-7632NI-E2/8P | DS-7616NI-E2/16P/A | DS-7632NI-E2/16P |
|---|---|---|---|---|---|
| Video/Audio input | IP video input | 16-ch | 32-ch | 16-ch | 32-ch |
| | Two-way audio input | 1-ch, RCA (2.0 Vp-p, 1kΩ) | | | |
| Network | Incoming bandwidth | 160Mbps | | | |
| | Outgoing bandwidth | 80Mbps | | | |
| | Remote connection | 128 | | | |
| Video/Audio output | Recording resolution | 6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF | | | |
| | Frame rate | Main stream: 50 fps (P) / 60 fps (N) | | | |
| | | Sub-stream: 50 fps (P) / 60 fps (N) | | | |
| | HDMI/VGA output | 1-ch, resolution: 1920 ×1080 /60Hz, 1600 ×1200 /60Hz, 1280 ×1024 /60Hz, 1280 ×720 /60Hz, 1024 ×768 /60Hz | | | |
| | Audio output | 1-ch, RCA (Linear, 1kΩ) | | | |
| Decoding | Live view / Playback resolution | 6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF | | | |
| | Capability | 16-ch@4CIF, 12-ch@720P, 6-ch@1080P | | | |
| Hard disk | SATA | 2 SATA interfaces for 2 HDDs | | | |
| | Capacity | Up to 6TB for each disk | | | |
| External interface | Network interface | 1 RJ-45 10 /100 /1000 Mbps self-adaptive Ethernet interface | | | |
| | USB interface | 1 ×USB 2.0 and 1 ×USB 3.0 | | | |
| | Alarm in/out | 4 / 1 | | 4 / 1 | |
| PoE | Interface | 8 independent 100 Mbps PoE network interfaces | | 16 independent 100 Mbps PoE network interfaces | |
| | Max. Power | 120W | | 200W | |
| | Supported standard | AF and AT | | | |
| General | Power supply | 100~240V AC | | | |
| | Consumption (without hard disk and PoE) | ≤10W | | ≤15W | |
| | Working temperature | -10 ℃ ~ +55 ℃ (+14 ℉~ + 131 ℉) | | | |
| | Working humidity | 10 % ~ 90 % | | | |
| | Chassis | 380 chassis | | | |
| | Dimensions (W ×D ×H) | 380 ×290 ×48mm (15.0" ×11.4" ×1.9") | | | |
| | Weight (without hard disk) | ≤ 1 kg (2.2 lb) | | | |