

DS-7600NI-E1/4N and DS-7600NI-E2/8N series NVR

Introduction:

DS-7600NI-E1/4N and DS-7600NI-E2/8N 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-E1/4N and DS-7600NI-E2/8N series NVR are widely applied in the areas of finance, public security, military, communication, transportation, education, etc..

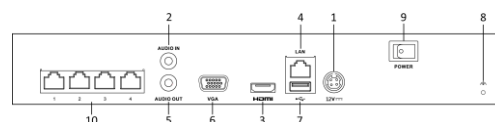
Available Models:

DS-7604NI-E1/4N;
DS-7608NI-E2/8N, DS-7616NI-E2/8N and DS-7632NI-E2/8N.

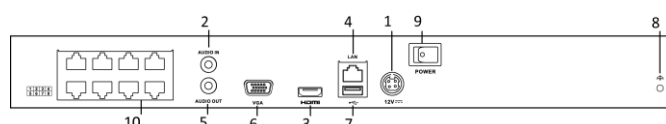
Main Features:

- 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.
- Up to 16 network cameras can be connected.
- 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;
- Holiday recording;
- Realize instant playback for assigned channel during multi-channel display mode.
- Up to 16-ch synchronous playback at 4CIF resolution.
- Customization of tags, searching, and playing back by tags.
- 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.
- 1 self-adaptive 10M/100M/1000M network interface is provided;
- Up to 8 10/100 Mbps built-in switch network interfaces are provided;
- Support Hikvision DDNS (Dynamic Domain Name System);
- Support network detection, including network delay, packet loss, etc.

Physical Interfaces:



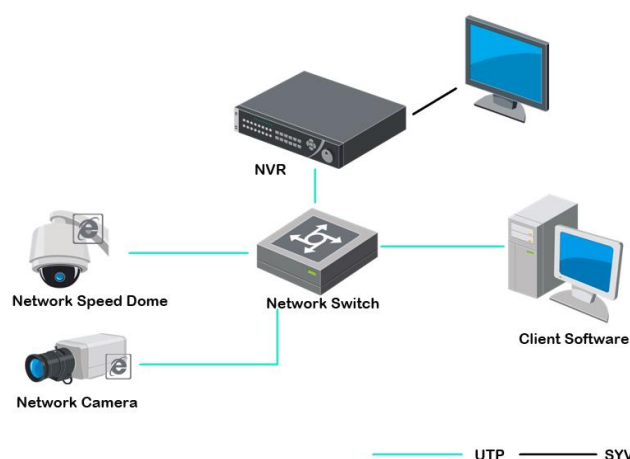
DS-7600NI-E1/4N



DS-7600NI-E2/8N

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	Built-in Switch Network Interfaces

Typical Application:



Specifications:

Model		DS-7604NI-E1/4N	DS-7608NI-E2/8N
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: 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	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	
		4 independent 100 Mbps built-in switch network interfaces	8 independent 100 Mbps built-in switch network interfaces
	USB interface	1 × USB 2.0 and 1 × USB 3.0	
	Alarm in/out (Optional)	4 / 1	
Others	Power supply	12V DC	
	Consumption (without hard disk)	≤10W	
	Working temperature	-10 ℃ ~ +55 ℃ (+14 ℉ ~ +131 ℉)	
	Working humidity	10 % ~ 90 %	
	Chassis	Standalone 1U chassis	380 chassis
	Dimensions (W × D × H)	315×230×45mm (12.4"×9.1"×1.8")	380 × 290 × 48mm (15.0" × 11.4" × 1.9")
	Weight (without hard disk)	≤ 1 kg (2.2 lb)	

Model		DS-7616NI-E2/ 8N	DS-7632NI-E2/ 8N	DS-7616NI-E2/ 16N	DS-7632NI-E2/ 16N
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			
		8 independent 100 Mbps built-in switch network interfaces	16 independent 100 Mbps built-in switch network interfaces		
	USB interface	1 × USB 2.0 and 1 × USB 3.0			
Alarm in/out (Optional)	4 / 1				
Others	Power supply	12V DC			
	Consumption (without hard disk)	≤10W			
	Working temperature	-10 °C ~ +55 °C (+14 °F ~ +131 °F)			
	Working humidity	10 % ~ 90 %			
	Chassis	Standalone 1U chassis	380 chassis		
	Dimensions (W × D × H)	315 × 230 × 45mm (12.4" × 9.1" × 1.8")	380 × 290 × 48mm (15.0" × 11.4" × 1.9")		
	Weight (without hard disk)	≤ 1 kg (2.2 lb)			

Note:

The formula to calculate the incoming bandwidth and the IP camera connected is: $A = B/(C+D)$.

A refers to the number of IP camera you connected.

B refers to the value of the incoming bandwidth.

C refers to the bitrate value of the main stream of the connected IP camera.

And D refers to the bitrate value of the sub-stream of the connected IP camera.

Example: The incoming bandwidth of DS-7616NI-E2/8N NVR is 100Mbps and the IP camera to connect is with resolution of 1080P (1920*1080) / 25 (30) fps. The bitrate for the main stream and sub-stream of the IP camera is set as 6Mbps and 1Mbps respectively.

In this example, B=100Mbps, C=6Mbps, D=1Mbps and $A = B/(C+D) = 100 / (6+1) \approx 14$. So the number of IP cameras can be connected with is 14.