

DS-7600NI-E2 Series NVR

Introduction:

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

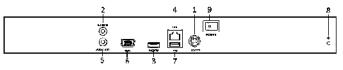
Available Models:

DS-7608NI-E2, DS-7616NI-E2 and DS-7632NI-E2.

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 5 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.
- 2 SATA hard disks can be connected.
- 1 self-adaptive 10M/100M/1000M network interface is provided;
- Support Hikvision DDNS (Dynamic Domain Name System);
- Support network detection, including network delay, packet loss, etc.

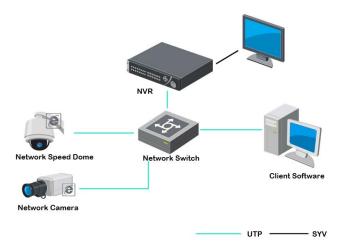
Physical Interfaces:



DS-7600NI-E2

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				

Typical Application:





Specifications:

Model		DS-7608NI-E2	DS-7616NI-E2	DS-7632NI-E2	
Video/Audio	IP video input	8-ch	16-ch	32-ch	
input	Two-way audio input	1-ch, RCA (2.0 Vp-p, 1KΩ)			
Network	Incoming bandwidth	50Mbps	100Mbps	200Mbps	
	Outgoing bandwidth	80Mbps			
	Remote connection	128			
	Recording resolution	5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF			
Video/Audio output	Frame rate	Main stream: 50 fps (P) / 60 fps (N)			
		Sub-stream: 50 fps (P) / 60 fps (N)			
		1-ch, resolution:			
	HDMI/VGA output	1920 ×1080P/60Hz, 1600 ×1200/60Hz, 1280 ×1024/60Hz, 1280 ×720/60Hz, 1024			
		×768 /60Hz			
	Audio output	1-ch, RCA (Linear, 1kΩ)			
	Live view / Playback	5MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF			
Decoding	resolution	16-ch@4CIF, 12-ch@720P, 16-ch@4CIF, 12-ch@720P,			
	Capability	8-ch@720P, 6-ch@1080P	6-ch@1080P	6-ch@1080P	
	SATA	2 SATA interface for 2 HDDs			
Hard disk	Capacity	Up to 4TB for each disk			
	Network interface	1 RJ-45 10 /100 /1000 Mbps self-adaptive Ethernet interface			
External	USB interface	1 ×USB 2.0 and 1 ×USB 3.0			
interface	Alarm in/out	4/1			
	(Optional)				
	Power supply	12V DC			
	Consumption	≤ 10W	≤ 10W	≤ 10W	
	(without hard disk)		_ 10 **	_ 10 **	
	Working	-10 ℃ ~ +55 ℃ (+14 ℉~ + 131 ℉)			
	temperature				
Others	Working humidity	10 % ~ 90 %			
	Chassis	380 chassis			
	Dimensions	380 × 290 × 48mm (15.0 ×11.4 × 1.9 inch)			
	$(\mathbf{W} \times \mathbf{D} \times \mathbf{H})$,			
	Weight	$\leq 1 \text{ kg } (2.2 \text{ lb})$			
	(without hard disk)				

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 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.