

DS-7700NI-SP Series

NVR

Introduction:

DS-7700NI-SP series NVR (Network Video Recorder) is a new generation recorder developed by Hikvision independently. Combined with multiple advanced technologies, such as audio and video encoding & 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 build a comprehensive surveillance system.

The DS-7700NI-SP series NVR are widely applied in the areas of finance, public security, military, communication, transportation, education, etc..

Available Models:

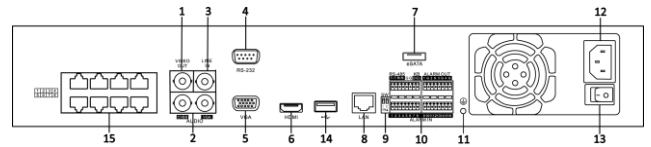
DS-7708NI-SP, DS-7716NI-SP and DS-7732NI-SP.

Main Features:

- Connectable to the third-party network cameras like like ACTI, Arecont, AXIS, Bosch, Brickcom, Canon, ONVIF, PANASONIC, Pelco, PSIA, SAMSUNG, SANYO, SONY and Vivotek and ZAVIO.
- Up to 32 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 at 1920 × 1080 resolution.
- New GUI and support starting record with one key;
- Redundant recording, holiday recording and capture schedule configuration;
- Realize instant playback for assigned channel during multi-channel display mode.
- Up to 16-ch synchronous playback at 4CIF resolution.
- Smart search for the selected area in the video.
- Customization of tags, searching, and playing back by tags.
- Locking and unlocking record files.
- Support HDD quota and group modes; different capacity can be assigned to different channel.
- Up to 4 SATA hard disks and 1 eSATA disk can be connected, for both recording and backup.
- 1 self-adaptive 10M/100M/1000M network interface.
- 8 independent PoE network interfaces are provided;
- Support Hikvision DDNS (Dynamic Domain Name System);
- Support Channel-zero encoding, which enables you to get a view in the remote client or IE browser of all the channels in one screen.
- Support network detection, including network delay, packet loss, etc.
- Adopt pioneering dual-OS design to ensure the security of system running.

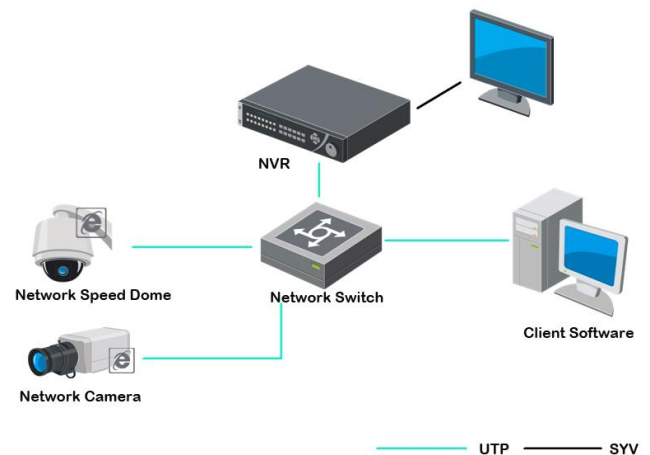


Physical Interfaces:



- ① VIDEO OUT
- ② AUDIO OUT
- ③ LINE IN
- ④ RS-232 Interface
- ⑤ VGA
- ⑥ HDMI
- ⑦ eSATA (optional)
- ⑧ LAN Interface
- ⑨ Termination Switch
- ⑩ RS-485 Interface, Controller Port, ALARM IN, and ALARM OUT
- ⑪ GROUND
- ⑫ AC 100V ~ 240V
- ⑬ POWER
- ⑭ USB interface
- ⑮ Network Interfaces with PoE function

Typical Application:



Specifications:

Model		DS-7708NI-SP	DS-7716NI-SP	DS-7732NI-SP
Video/Audio input	IP video input	8-ch	16-ch	32-ch
	Two-way audio	1-ch, BNC (2.0 Vp-p, 1kΩ)		
Network	Incoming bandwidth	40Mbps	80Mbps	160Mbps
	Outgoing bandwidth	240Mbps	240Mbps	160Mbps
	Remote Connection	128		
Video/Audio output	Recording resolution	5MP /3MP /1080P /UXGA /720P /VGA /4CIF /DCIF /2CIF /CIF /QCIF		
	Frame rate	Main stream: 25 fps (P) / 30 fps (N)		
		Sub-stream: 25 fps (P) / 30 fps (N)		
	CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω) Resolution: 704 × 576 (PAL); 704 × 480 (NTSC)		
	HDMI output	1-ch, resolution: 1920 × 1080P /60Hz, 1920 × 1080P /50Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz		
	VGA output	1-ch, resolution: 1920 × 1080P /60Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz		
	Audio output	2-ch, BNC (Linear, 600Ω)		
	Playback resolution	5MP /3MP /1080P /UXGA /720P /VGA /4CIF /DCIF /2CIF /CIF /QCIF		
Synchronous playback	8-ch	16-ch	16-ch	
Hard disk	SATA	4 SATA interfaces for 2 HDDs + 1 DVD-R/W (default), or 4HDDs		
	eSATA	1 eSATA interface		
	Capacity	Up to 4TB capacity for each HDD		
External interface	Network interface	1 RJ-45 10 /100 /1000 Mbps self-adaptive Ethernet interface		
	Serial interface	RS-232; RS-485; Keyboard		
	USB interface	3 × USB 2.0		
	Alarm in	16		
	Alarm out	4		
PoE	Interface	8 independent 100 Mbps PoE network interfaces		
	Consumption	120W		
	Standard	Any 4 of PoE interfaces can support up to AT, and the rest of 4 interfaces support to AF.		
Others	Power supply	100 ~ 240 VAC, 6.3 A, 50 ~ 60 Hz		
	Consumption (without hard disk or DVD-R/W)	≤ 35 W	≤ 40W	≤ 45 W
	Working temperature	-10 °C ~ +55 °C		
	Working humidity	10 % ~ 90 %		
	Chassis	19-inch rack-mounted 1.5U chassis		
	Dimensions (W × D × H)	445 × 390 × 70 mm		
	Weight	≤ 8 Kg (17.64 lb) (without hard disk or DVD-R/W)		

Note: H-PoE refers to High PoE standard, AT refers to 802.3at standard, and AF refers to 802.3af standard.

Note:

The formula to calculate the incoming bandwidth and the IPC 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 IPC.

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

Example: The incoming bandwidth of 9016HWI-ST HDVR is 80Mbps and the IPC to connect is with resolution of 720P (1280*720) / 25 (30) fps.

The bitrate for the main stream and sub-stream of the IPC is set as 4Mbps and 1Mbps respectively.

In this example, $B=80\text{Mbps}$, $C=4\text{Mbps}$, $D=1\text{Mbps}$ and $A = B/(C+D) = 80 / (4+1) = 16$. So the number of IP cameras can be connected with is 16.