

DS-7100NI-SL Series

NVR



Introduction:

DS-7100NI-SL 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-7100NI-SL series NVR are widely applied in the areas of finance, public security, military, communication, transportation, education, etc..

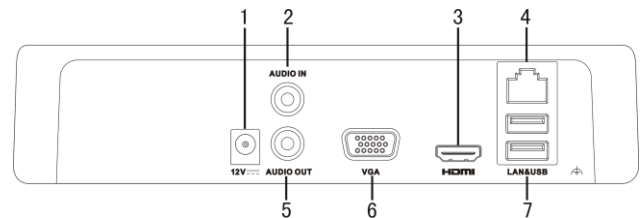
Available Models:

DS-7104NI-SL and DS-7108NI-SL.

Main Features:

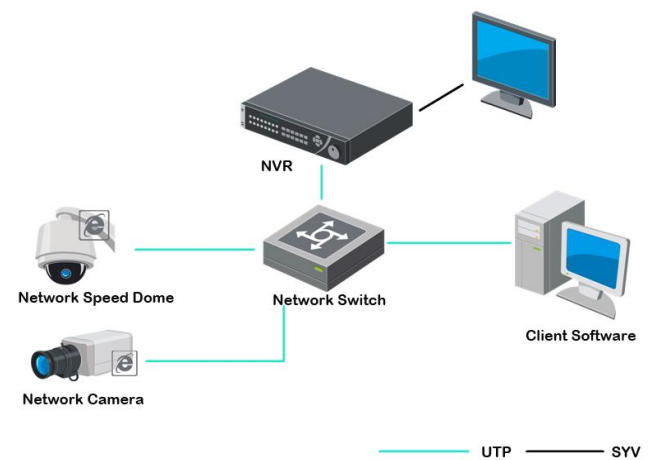
- Connectable to the third-party network cameras like AXIS, ONVIF, PANASONIC, PSIA, SAMSUNG and SANYO.
- Up to 8 network cameras can be connected.
- Support live view, storage, and playback of the connected camera with up to the resolution of 5 megapixels.
- Simultaneous HDMI and VGA outputs at up to 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 8-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.
- 1 SATA hard disk can be connected.
- 1 self-adaptive 10M/100M network interface;
- Support Hikvision DDNS (Dynamic Domain Name System);
- Support network detection, including network delay, packet loss, etc.

Physical Interfaces:



- ① Power Supply
- ② Audio In
- ③ HDMI Interface
- ④ LAN Network Interface
- ⑤ Audio Out
- ⑥ VGA Output
- ⑦ USB Interfaces

Typical Application:



Specifications:

Model		DS-7104NI-SL	DS-7108NI-SL
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	20Mbps	40Mbps
	Outgoing bandwidth	40Mbps	
	Remote connection	128	
Video/Audio output	Recording resolution	5MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	
	HDMI/VGA output	1-ch, resolution: 1920 × 1080P /60Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz	
	Audio output	1-ch, RCA (Linear, 1kΩ)	
	Playback resolution	5MP /3MP /1080P /UXGA /720P /VGA /4CIF /DCIF /2CIF /CIF /QCIF	
	Synchronous playback	4-ch, 720P / 2-ch, 1080P / 1-ch, 5MP	8-ch, 4CIF /4-ch, 720P / 2-ch, 1080P / 1-ch, 5MP
Hard disk	SATA	1 SATA interface for 1 HDD	
	Capacity	Up to 4TB for each disk	
External interface	Network interface	1 RJ-45 10 /100 Mbps self-adaptive Ethernet interface	
	USB interface	2 × USB 2.0	
Others	Power supply	12VDC	
	Consumption	≤ 15 W (without hard disk)	
	Working temperature	-10 °C ~ +55 °C	
	Working humidity	10 % ~ 90 %	
	Chassis	1U chassis	
	Dimensions (W × D × H)	200 × 200 × 45 mm	
	Weight	≤ 1 Kg (without hard disk)	

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