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DS-9600NI-XT Series
NVR

Introduction:

DS-9600NI-XT 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 form a comprehensive surveillance system. The DS-9600NI-XT series NVR are widely applied in the areas of finance, public security, military, communication, transportation, education, etc..

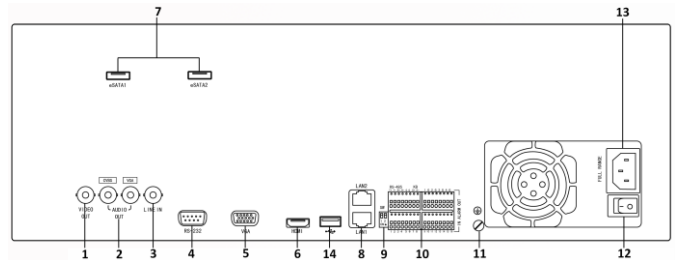## Available Models:

DS-9616NI-XT, DS-9632NI-XT, and DS-9664NI-XT

Main Features:

- Pluggable HDD design provides convenient HDD installation and maintenance way;
- 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 64 network cameras can be connected.
- Support live view, storage, and playback of the connected camera with up to the resolution of 5 megapixels. Support 16x digital zoom function.
- Simultaneous HDMI, VGA and CVBS outputs; and respective live view and playback via VGA and HDMI outputs.
- 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 16 SATA hard disks and 2 eSATA disks can be connected, for both recording and backup.
- Support RAID0, RAID1, RAID5, RAID10 storage scheme. And 16 arrays can be configured.
- Either normal or hot spare working mode is configurable to constitute an N+1 hot spare system.
- 2 self-adaptive 10M/100M/1000M network interfaces, with working modes configurable: multi-address, load balance, network fault tolerance, etc.
- Support Hikvision DDNS (Dynamic Domain Name System);
- Support Channel-zero encoding, which enables you to get a view in the remote client or web browser of all the channels in one screen.
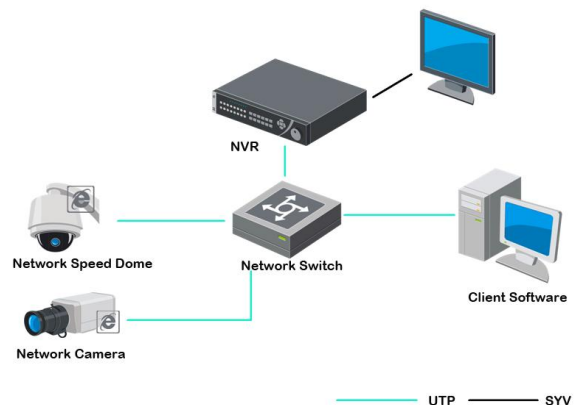- Support network detection, including network delay, packet loss, etc.

- Adopt pioneering dual-OS design to ensure the security of system running.

Physical Interfaces:

Index	Name
1	VIDEO OUT
2	CVBS AUDIO OUT and VGA AUDIO OUT
3	LINE IN
4	RS-232 Serial Interface
5	VGA Interface
6	HDMI Interface
7	eSATA Interfaces
8	LAN1, LAN2 Network Interface
9	Termination Switch
10	RS-485 Serial Interface, Keyboard Interface, ALARM IN and ALARM OUT
11	GND
12	100~240VAC Power Input
13	Power Switch
14	USB Interface

Typical Application:

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Specifications:

Model		DS-9616NI-XT	DS-9632NI-XT	DS-9664NI-XT
Video/Audio input	**IP video input**	16-ch	32-ch	64-ch
	Two-way audio	1-ch, BNC (2.0 Vp-p, 1kΩ)　　G.722, Audio Compression		
Network	**Incoming bandwidth**	80Mbps	200Mbps	200Mbps
	Outgoing bandwidth	240Mbps	120Mbps	120Mbps
	Supported Protocol	TCP/IP, UDP/IP, HTTP, FTP, SMTP, DHCP, DNS, NTP, SNMP		
Video/Audio output	**Recording resolution Recording Format**	5MP /3MP /1080P /UXGA /720P /VGA /4CIF /DCIF /2CIF /CIF /QCIF H264 / MPEG-4　 / 16x digital zoom liveview- Playback		
	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	16-ch		
Hard disk	**SATA**	16 SATA interfaces for 16 HDDs / Hot - Swappable		
	eSATA	2 eSATA interfaces		
	Capacity	Up to 4TB capacity for each HDD		
Disk array	**Array type**	RAID0, RAID1, RAID5, RAID10		
	Number of array	16		
External interface	**Network interface**	2 RJ-45 10 /100 /1000 Mbps self-adaptive Ethernet interfaces		
	Serial interface	RS-232; RS-485; Keyboard;		
	USB interface	3 × USB 2.0		
	Alarm in	16		
	Alarm out	4		
Others	**Power supply**	100 ~ 240 VAC, 6.3 A, 50 ~ 60 Hz		
	Consumption (without hard disks)	≤ 45 W		
	Working temperature	-10 °C~ +55 °C		
	Working humidity	10 % ~ 90 %		
	Chassis	19-inch rack-mounted 3U chassis		
	Dimensions (W × D × H)	445 × 496 ×146 mm (17.52" ×19.52"× 5.74")		
	Weight	≤ 12.5 Kg (27.56 lb) (without hard disks)		

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.