DS-9600NI-I16 SERIES NVR

Features and Functions

Professional and Reliable

- Dual-OS design to ensure high reliability of system running

- ANR technology to enhance the storage reliability when the network is disconnected

- HDD hot swap with RAID0, RAID1, RAID5, RAID6 and RAID10 storage scheme configurable and HDD hibernation

- Either Normal or Hot Spare working mode is configurable to constitute an N+1 hot spare system.

Video Input and Transmission

- Up to 64-ch 12 MP IP cameras can be connected. Connectable to the third-party network cameras

- Support live view, storage, sequencing, and playback of the connected camera at up to 12 megapixels resolution

- Supports alarm by video quality loss

Compression and Recording

- H.264+ compression effectively reduces the storage space and costs by up to 50%

- Full channel recording at up to 12MP resolution

HD Video Output

- HDMI1/VGA1 and HDMI2/VGA2 outputs provided

- HDMI1 Video output at up to 4K (3840 × 2160) resolution

Storage and Playback

- Up to 16 SATA interfaces and 1 eSATA interface connectable for recording and backup

- Smart search for efficient playback

- 4-ch synchronous playback at 4K or 16-ch at 1080p resolution
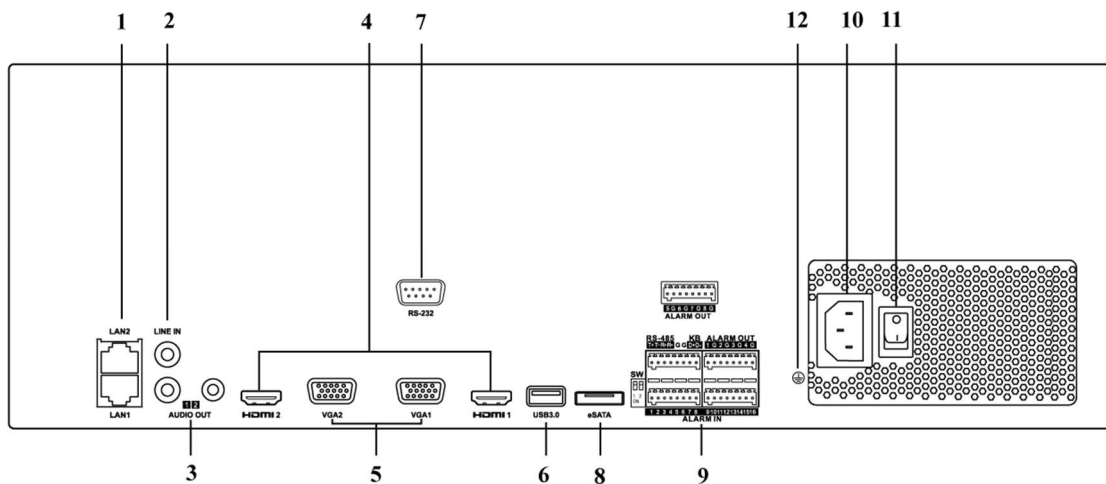
Smart &POS Function

- Supports multiple VCA (Video Content Analytics) alarms: face detection, POS, behavior analysis, people counting, motion detection and heat map

- Smart search for the selected area in the video; and smart playback to improve the playback efficiency

- Supports VCA search for fire/ship/temperature/temperature difference detection triggered video files

- POS information overlay on live view and playback

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Specifications

Model		DS-9616NI-I16	DS-9632NI-I16	DS-9664NI-I16
Video/Audio input	IP video input	16-ch	32-ch	64-ch
	Incoming bandwidth	256 Mbps	320 Mbps	320 Mbps
		or 200 Mbps (when RAID is enabled)		
	Outgoing bandwidth	256 Mbps, or 200 Mbps (when RAID is enabled)		
Video/Audio output	Recording resolution	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF		
	CVBS output (Optional)	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480		
	VGA1 /HDMI1 output resolution	VGA1: 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI1: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz		
	VGA2 /HDMI2 output resolution	1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz		
	Audio output	2-ch, RCA (Linear, 1 KΩ)		
Decoding	Decoding format	H.265/H.265+/H.264/H.264+/MPEG4		
	Live view/Playback resolution	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF		
	Synchronous playback	16-ch		
	Capability	4-ch @ 4K or 16-ch @ 1080p		
Network management	Network protocols	TCP/IP, DHCP, HIK Cloud P2P, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™, HTTPS		
Hard disk	SATA	16 SATA interfaces		
	eSATA	1 eSATA interface		
	Capacity	Up to 6TB capacity for each HDD		
	Network Disk	Up to 8 Network disks (NAS or iSCSI)		
Disk array	Array type	RAID0, RAID1, RAID5, RAID6, RAID10		
External interface	Two-way audio	1-ch, RCA (2.0 Vp-p, 1 k Ω)		
	Network interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface		
	Serial interface	RS-232; RS-485; Keyboard		
	USB interface	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0		
	Alarm in/out	16/8		
General	Power supply	100 to 240 VAC, 50 to 60 Hz		
	Max. Power	300 W		
	Consumption (without hard disk)	≤ 45 W		
	Working temperature	-10 to +55° C (+14 to +131° F)		
	Working humidity	10 to 90 %		
	Chassis	19-inch rack-mounted 3U chassis		
	Dimensions (W × D × H)	445 × 496 × 146 mm (17.5" × 19.5" × 5.7")		
	Weight (without hard disk)	≤ 12.5 kg (27.6 lb)		

Physical Interfaces

Index	Description	Index	Description
1	LAN1/LAN2 Interface, 2 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interfaces provided.	7	RS-232 Interface
2	LINE IN, RCA connector for audio input.	8	eSATA Interface
3	AUDIO OUT, RCA connector for audio output.	9	Controller Port, Alarm In/Alarm Out
4	HDMI1/HDMI2, HDMI video output connector.	10	100 to 240 VAC power supply
5	VGA1/VGA2, DB9 connector for VGA output. Display local video output and menu.	11	Power Switch
6	USB 3.0 Interface	12	GND

Available Models

DS-9616NI-I16, DS-9632NI-I16, DS-9664NI-I16