DS-96000NI-I24/H SERIES NVR

104-690B

Features and Functions

Professional and Reliable

- New logical and visualized GUI design.
- Adopts professional embedded hardware and software, and pioneering dual-OS design to ensure the reliability of system running.
- Supports redundant power supply to improve the system stability.
- Supports HDD hot swap with RAID0, RAID1, RAID5, RAID 6, and RAID10 storage scheme configurable.
- Either normal or hot spare working mode is configurable to constitute an N+1 hot spare system.

Video Input and Transmission

- Up to 128/256 IP cameras can be connected.
- Support live view, storage, and playback of the connected camera at up to 12 megapixels resolution.
- H.265+ compression effectively reduces the storage space by up to 75%.
- 4 self-adaptive 10M/100M/1000M network interfaces.
- Adopt stream over TLS encryption technology (enhanced SDK service and RTP over HTTPS protocol)
- Connectable to the third-party network cameras like ACTI, Arecont, AXIS, Bosch, Brickcom, Canon, ONVIF, PANASONIC, Pelco, SAMSUNG, SANYO, SONY, Vivotek and ZAVIO.

HD Output

- Simultaneous HDMI 1/VGA output as the main output and the HDMI 2 works as the auxiliary output.
- HDMI and VGA1 simultaneous outputs by default. Asynchronous outputs configurable.
- Video outputs at up to 4K (4096×2160) resolution.
- Supports decoding up to 20 channels at 1080p resolution.

HD Storage

- Up to 24 SATA interfaces and 1 eSATA interface provided for HDD connection.
- 10 TB capacity for each HDD.
- HDD health monitoring.
- Supports HDD quota and group modes; different capacity can be assigned to different channels.
- Normal/Important/Custom video playback.

Various Applications

- Centralized management of IP cameras is supported, including configuration, information import/export, real-time information display, two-way audio, upgrade, etc.
- Connectable to smart IP cameras from Hikvision and the recording, playing back, and backing up of VCA alarms can be realized.
- VCA detection alarm is supported.
- VCA search for facial detection, behavior analysis, people counting and heat map.
- Supports starting record with one key.
- Realizes instant playback for assigned channel during multi-channel display mode.
- Smart search for the selected area in the video; and smart playback to improve the playback efficiency.
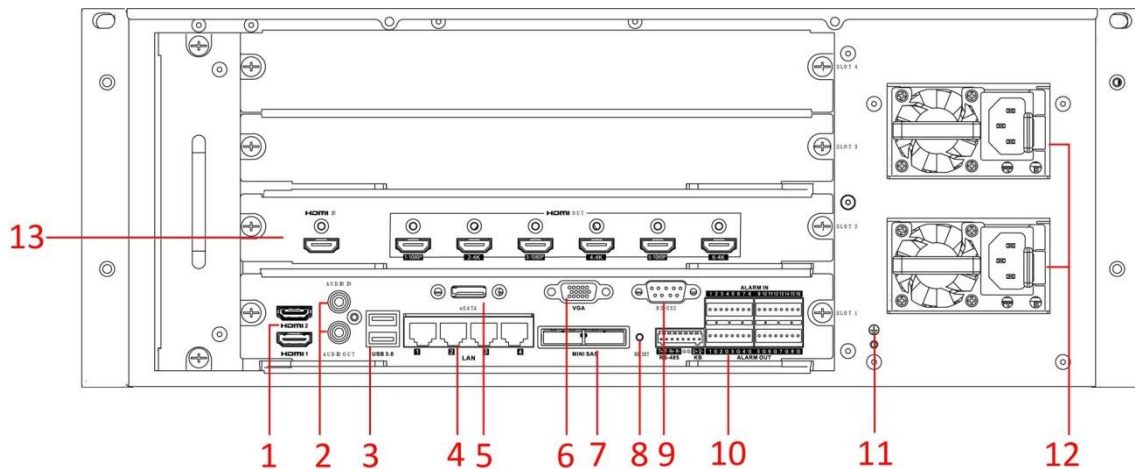
Specifications

Model		DS-96128NI-I24/H	DS-96256NI-I24/H
Video & Audio input	IP video input	128-ch	256-ch
	Incoming/outgoing bandwidth	768 Mbps/512 Mbps	768 Mbps/768 Mbps
	Incoming/outgoing bandwidth (RAID mode)	768 Mbps/512 Mbps	768 Mbps/768 Mbps
	TLS outgoing bandwidth	128 Mbps, or 64 Mbps (when RAID is enabled)	
	Protocol	HIKVISION, ACTi, ARECONT, AXIS, BOSCH, BRICKCOM, CANON, HUNT, ONVIF (Version 2.5), PANASONIC, PELCO, RTSP, SAMSUNG, SONY, VIVOTEK, ZAVIO	
Video & Audio output	HDMI output	Two independent HDMI outputs of 4K resolution. Resolution: 4K (4096 × 2160), 4K (3840 × 2160) /30Hz, 2K (2560 × 1440)/60Hz, 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz	
	VGA output	1-ch. Resolution: 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz	
	LCD output (optional)	One 7 inch LCD	
	Audio output	1-ch. RCA (2.0 Vp-p, 1 KΩ)	
Video & Audio decoding	Decoding format	H.265, H.265+, H.264, H.264+,MPEG4, MJPEG (for Hikvision IP camera only)	
	Video resolution	12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	
	Synchronous playback	Up to 16 channels	
	Capability	3-ch@12 MP (30fps), 5-ch@8 MP (30fps), 6-ch@6 MP (30fps), 10-ch@4 MP (30fps), 20-ch@1080p (30 fps)	
HDD	Interface	24 SATA interfaces supporting hot-plug	
	Capacity	Up to 10 TB for each HDD	
	Storage extension	1 × eSATA interface, 2 × mini SAS interface (optional)	
RAID	RAID Type	RAID0, RAID1, RAID5, RAID 6, and RAID10	
Network management	Protocol	IPv6, HTTPS, UPnP, SNMP, NTP, SADP, SMTP, NFS, iSCSI, PPPoE, DDNS	
	Network interface	4, RJ45 10M/100M/1000M self-adaptive Ethernet interface	
External interface	Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)	
	Serial port	RS-232; RS-485; Keyboard	
	USB interface	Front Panel: 1 × USB 2.0; Rear Panel: 2 × USB 3.0	
	Alarm input/output	16/8	
	Decoding board	1	
	Extension board (optional)	One extension board is supported with four 10M/100M/1000M optical interfaces (1.25 Gbps SFP module), eight RS-485 interfaces, and alarm interface of 32 alarm inputs and 16 alarm outputs.	
General	Power supply	100 to 240 VAC, 550W	
	Fan	Redundant dual ball bearing fan; Speed adjustable; Hot-plug	
	Consumption (without HDD)	≤ 140W	
	Working temperature	0 °C to + 50 °C (32 °F to 122 °F)	
	Working humidity	10% to 90%	
	Dimension (W × D × H)	447 × 528 × 172mm (17.6 × 20.8 × 6.8 inch)	
	Weight (without HDD)	≤ 23 kg (50.7 lb)	

Specifications

Model		DS-96128NI-I24/H	DS-96256NI-I24/H
Video wall management	HDMI output/input	6/1	
	HDMI output resolution	4K (3840x2160)/60Hz, 4K (3840x2160)/30Hz, 2K (2560x1440)/60Hz, 1080p (1920x1080)/60Hz, SXGA (1280x1024)/60Hz, 720p (1280x720)/60Hz, XGA (1024x768)/60Hz	
	HDMI input resolution	1080p (1920x1080), SXGA (1280x1024), 720p 1280x720), XGA (1024x768)	
	Decoding capacity	48-ch@1080p	
	Decoding resolution	12 MP/8 MP/7 MP/6 MP/5 MP/3 MP/1080p/UXGA/720p/VGA/4CIG/DCIF/2CIF/CIF/QCIF	
	Collage	Supported	
	Auto-switch	Supported	
	Open window	Supported	
	Layer overlay	Supported	
	Window roaming	Supported	
	Display local signal source on video wall	Supported	

Physical Interfaces

No.	Name	No.	Name
1	HDMI 1/2 Video Output	9	RS-232 Interface
2	Audio Input	10	Alarm Input
	Audio Output		Alarm Output
3	USB 3.0		RS-485 Interface
4	LAN		Keyboard Interface
5	eSATA Interface	11	Ground
6	VGA Video Output	12	Power Supplies
7	Mini SAS Interface (Optional)	13	Decoding Board
8	Reset Button		

ORDERING INFORMATION

104-690B	Hikvision IP NVR (support for 24 HDD - Ex HDD) 256 Channel