DS-96000NI-I16(UHK) SERIES NVR

Features and Functions

Professional and Reliable

- New logical and visualized GUI design. 19" rack-mountable and include rack mount brackets for installation
- 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.

Storage and Playback

- Up to 16 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, people counting, heat map, etc.
- 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.
- The camera system should support full control (zoom, tilt, pan) and a network-enabled VMS for remote access.
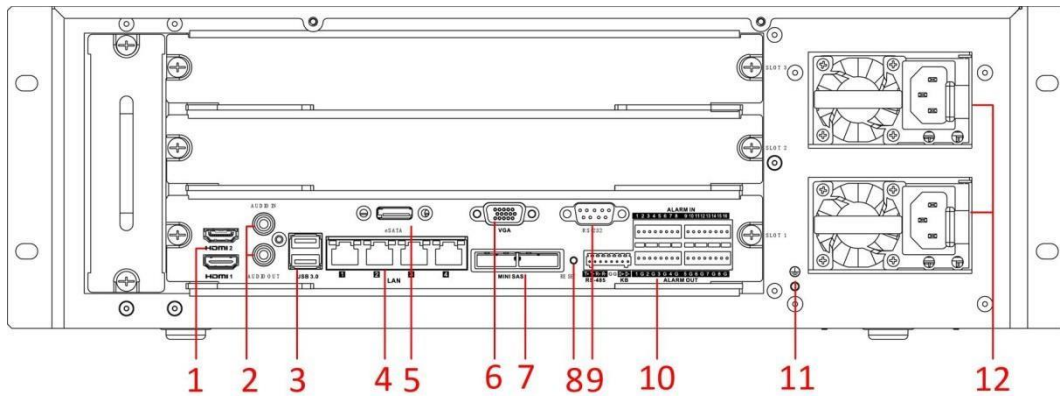
Specifications

Model		DS-96064NI-I16(UHK)	DS-96128NI-I16(UHK)	DS-96256NI-I16(UHK)
Video & Audio input	IP video input	64-ch	128-ch	256-ch
	Incoming/outgoing bandwidth	512 Mbps/512 Mbps	576 Mbps/512 Mbps	768 Mbps/768 Mbps
	Incoming/outgoing bandwidth (RAID mode)	512 Mbps/400 Mbps	576 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	32 MP/24 MP/12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p /VGA/4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 to 4 when ultra HD resolution mode is enabled.		
	Synchronous playback	Up to 16 channels		
	Capability	1-ch@32 MP (8160 × 3616, 30 fps)/5-ch@8 MP(30 fps)/10-ch@4 MP(30 fps)/20-ch@1080p(30 fps)/40-ch@720p(30 fps) *: The length or width of camera resolution (each track) cannot exceed 4096 pixels.		
HDD	Interface	16 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: 2 × USB 2.0; Rear Panel: 2 × USB 3.0		
	Alarm input/output	16/8		
	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. Note: The optional extension board should be purchased with your device in advance.		
General	Power supply	100 to 240 VAC, 50 to 60Hz, 5 A		
	Fan	Redundant dual ball bearing fan; Speed adjustable		
	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)	442 × 494 × 146 mm (17.4 × 19.4 × 5.7 inch)
	Weight (without HDD)	≤ 16 kg (35.3 lb)

Physical Interfaces

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

Available Models

DS-96064NI-I16(UHK), DS-96128NI-I16(UHK); DS-96256NI-I16(UHK)