

DS-96000NI-I24 SERIES NVR



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.
- Supports 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.



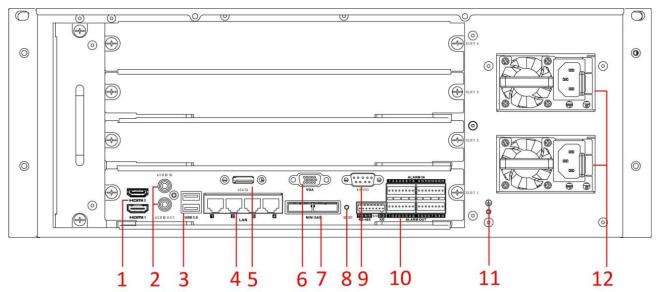


Specifications

Video & Audio input	Model		DS-96128NI-I24	DS-96256NI-124	
bandwidth	Video &	IP video input	128-ch	256-ch	
Bandwidth (RAID mode) TLS outgoing bandwidth Protocol	Audio input		576 Mbps/512 Mbps	768 Mbps/768 Mbps	
Protocol			576 Mbps/512 Mbps	768 Mbps/768 Mbps	
PANASONIC, PELCO, RTSP, SAMSUNG, SONY, VIVOTEK, ZAVIO		TLS outgoing bandwidth	128 Mbps, or 64 Mbps (when RAID is enabled)		
Audio output 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		Protocol			
1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz		HDMI output	2160)/30Hz, 2K (2560 × 1440)/60Hz, 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz,		
Audio output 1-ch. RCA (2.0 Vp-p, 1 KΩ) Video & Audio Audio		VGA output			
Decoding format		LCD output (optional)	One 7 inch LCD		
Audio decoding Video resolution 12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/CIF/CIF/CIF/CIF/CIF/CIF/CIF/CIF/		Audio output	1-ch. RCA (2.0 Vp-p, 1 KΩ)		
Synchronous playback Up to 16 channels	Video &	Decoding format	H.265, H.265+, H.264, H.264+, MPEG4, MJPEG (for Hikvision IP camera only)		
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) 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 RAID Type RAIDO, RAID1, RAID5, RAID 6, and RAID10 Network management Network 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 Extension board (optional) One extension board is supported with four 10M/100M/1000M optical interfaces (1.25 Gbps SFP (optional)) Redundant dual ball bearing fan; Speed adjustable; Hot-plug Consumption (without HDD) Working humidity 10% to 90% Dimension (W × D × H) 447 × 528 × 172mm (17.6 × 20.8 × 6.8 inch)	Audio	Video resolution			
Interface 24 SATA interfaces supporting hot-plug	decoding	Synchronous playback	Up to 16 channels		
Interface 24 SATA interfaces supporting hot-plug		Capability	3-ch@12 MP (30fps), 5-ch@8 MP (30fps), 6-ch@6 MP (30fps), 10-ch@4 MP (30fps),		
Ald Description of the second			20-ch@1080p (30 fps)		
Storage extension 1 × eSATA interface, 2 × mini SAS interface (optional) RAID RAID Type RAID0, RAID1, RAID5, RAID 6, and RAID10 Network Protocol IPv6, HTTPS, UPnP, SNMP, NTP, SADP, SMTP, NFS, iSCSI, PPPoE, DDNS Network interface 4, RJ45 10M/100M/1000M self-adaptive Ethernet 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 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. Power supply 100 to 240 VAC, 50 to 60Hz, 5 A Fan Redundant dual ball bearing fan; Speed adjustable; Hot-plug Consumption (without HDD) 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)		Interface	24 SATA interfaces supporting hot-plug		
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Network management Protocol IPv6, HTTPS, UPnP, SNMP, NTP, SADP, SMTP, NFS, iSCSI, PPP0E, DDNS 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 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. Power supply 100 to 240 VAC, 50 to 60Hz, 5 A 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)		Storage extension	1 × eSATA interface, 2 × mini SAS interface (optional)		
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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 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. Power supply 100 to 240 VAC, 50 to 60Hz, 5 A Fan Redundant dual ball bearing fan; Speed adjustable; Hot-plug Consumption (without HDD) 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)	Network	Protocol	IPv6, HTTPS, UPnP, SNMP, NTP, SADP, SMTP, NFS, iSCSI, PPPoE, DDNS		
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External interface USB interface Front Panel: 1 × USB 2.0; Rear Panel: 2 × USB 3.0		Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)		
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Extension board One extension board is supported with four 10M/100M/1000M optical interfaces (1.25 Gbps SFP (optional) module), eight RS-485 interfaces, and alarm interface of 32 alarm inputs and 16 alarm outputs. Power supply 100 to 240 VAC, 50 to 60Hz, 5 A 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)	External	USB interface	Front Panel: 1 × USB 2.0; Rear Panel: 2 × USB 3.0		
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Fan Redundant dual ball bearing fan; Speed adjustable; Hot-plug Consumption (without HDD) Working temperature 0 °C to + 50 °C (32 °F to 122 °F) Working humidity 10% to 90% Dimension (W × D × H) Address of the consumption of the consump		(optional)	module), eight RS-485 interfaces, and alarm interface of 32 alarm inputs and 16 alarm outputs.		
General Consumption (without HDD) $ \leq 140W $ Working temperature $ 0 \text{ °C to } + 50 \text{ °C } (32 \text{ °F to } 122 \text{ °F}) $ Working humidity $ 10\% \text{ to } 90\% $ Dimension $ (W \times D \times H) $ $ 447 \times 528 \times 172 \text{mm } (17.6 \times 20.8 \times 6.8 \text{ inch}) $		Power supply	100 to 240 VAC, 50 to 60Hz, 5 A		
General		Fan	Redundant dual ball bearing fan; Speed adjustable; Hot-plug		
Working humidity 10% to 90% Dimension (W × D × H) 447 × 528 × 172mm (17.6 × 20.8 × 6.8 inch)	General		≤ 140W		
Dimension (W × D × H) 447 × 528 × 172mm (17.6 × 20.8 × 6.8 inch)		Working temperature	0 °C to + 50 °C (32 °F to 122 °F)		
(W × D × H) 447 × 528 × 172mm (17.6 × 20.8 × 6.8 inch)		Working humidity	10% to 90%		
Weight (without HDD) ≤ 23 kg (50.7 lb)			447 × 528 × 172mm (17.6 × 20.8 × 6.8 inch)		
		Weight (without HDD)	≤ 23 kg (50.7 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		Alarm Input		
3	USB 3.0	10	Alarm Output		
4	LAN	10	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-96128NI-I24; DS-96256NI-I24

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