

DS-96000NI-I24 SERIES NVR



Features and Functions

Professional and Reliable

- New logical and visualized GUI design.
- Pluggable HDD design provides a convenient HDD installation and maintenance way; Unique chassis based on patented design ensures environmental friendly and low-noise running.
- · 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.
- Adopts ANR technology to enhance the storage reliability when the network disconnected.
- 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.
- Extension board is optional.

Video Input and Transmission

- Connectable to the third-party network cameras like ACTI, Arecont, AXIS, Bosch, Brickcom, Canon, ONVIF, PANASONIC, Pelco, SAMSUNG, SANYO, SONY, Vivotek and ZAVIO.
- 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.

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 data smart release when disk is full to extend the storage period.
- HDD health monitoring.
- Supports HDD quota and group modes; different capacity can be assigned to different channels.
- Normal/Important/Custom video playback.
- Important files management.
- Video synopsis 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 face 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.



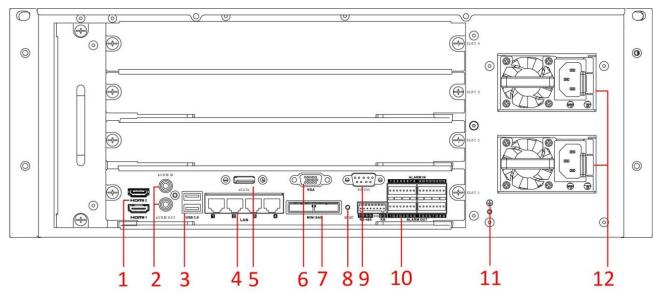


Specifications

Video & Audio Input	Model		DS-96128NI-I24	DS-96256NI-124	
bandwidth Incoming/outgoing bandwidth (RAID mode)	Video &	IP video input	128-ch	256-ch	
Bandwidth (RAID mode)	Audio input		576 Mbps/512 Mbps	768 Mbps/768 Mbps	
Video & Audio output			576 Mbps/512 Mbps	768 Mbps/768 Mbps	
Video & Audio output		Protocol			
Audio output					
SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz VGA output		HDMI output			
VGA output	Audio output				
1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz					
LCD output (optional) One 7 inch LCD		VGA output			
Audio output 1-ch. RCA (2.0 Vp-p, 1 KG) Video & Audio		LCD autout (antique)			
Video & Audio Video resolution 12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/CIF/CIF/CIF Synchronous playback Up to 16 channels Capability 20-ch@1080p 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) Network Protocol IPv6, HTTPS, UPnP, SAMP, SMPP, SMPP, NFS, ISCSI, PPPoE, DDNS Network interface 4, RJ45 10M/1000M/1000M self-adaptive Ethernet interface Two-way audio input 1-ch, RCA (2.0 Vp-p, 1 KΩ) Serial port 1 RS-485, Keyboard USB interface Front Panel: 1 × USB 2.0; Rear Panel: 2 × USB 3.0 Alarm input/output 16/8 Extension board One extension board is supported with four 10M/100M/1000M optical interfaces (1.25 Gbps S module), eight RS-485 interfaces, and alarm interface of 32 alarm inputs and 16 alarm outputs Morking temperature 0 °C to + 50 °C (32 °F to 122 °F) Working temperature 0 °C to + 50 °C (32 °F to 122 °F) Working humidity 10% to 90% Chassis 4U Dimension (W × D × H) Weight \$ 23 kg (50.7 lb) Weight \$ 25 kg (50.7 lb) Weight \$ 25 kg (50.7 lb					
Audio decoding Video resolution 12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/CCIF/CCIF	\".L 0	·			
Synchronous playback Up to 16 channels		-	, , , , , , , , ,		
Capability 20-ch@1080p Interface 24 SATA interfaces supporting hot-plug Capacity Up to 10 TB for each HDD Storage extension 1 x eSATA interface, 2 x mini SAS interface (optional) RAID RAID Type RAIDO, RAID1, RAID5, RAID 6, and RAID10 Network Protocol IPv6, HTTPS, UPNP, SNMP, NTP, SADP, SMTP, NFS, iSCSI, PPP0E, 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 1 RS-485, Keyboard USB interface Front Panel: 1 x USB 2.0; Rear Panel: 2 x USB 3.0 Alarm input/output 16/8 Extension board (optional) module), eight RS-485 interfaces, and alarm interface of 32 alarm inputs and 16 alarm outputs. Power supply 100 to 240 VAC, 550W 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% Chassis 4U Dimension (W × D × H) Weight 5 23 kg (50.7 lb)					
Interface 24 SATA interfaces supporting hot-plug	decoding				
HDD 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 Protocol IPv6, HTTPS, UPnP, SMMP, 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 1 RS-485, Keyboard USB interface Front Panel: 1 × USB 2.0; Rear Panel: 2 × USB 3.0 Alarm input/output 16/8 Extension board One extension board is supported with four 10M/100M/1000M optical interfaces (1.25 Gbps Smodule), eight RS-485 interfaces, and alarm interface of 32 alarm inputs and 16 alarm outputs. Power supply 100 to 240 VAC, 550W 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% Chassis 4U Dimension (W × D × H) Weight \$ 23 kg (50.7 lb)	HDD		`		
Network management Protocol IPv6, HTTPS, UPnP, SNMP, NTP, SADP, SMTP, NFS, iSCSI, PPPoE, DDNS External interface Two-way audio input 1-ch, RCA (2.0 Vp-p, 1 KΩ) External interface 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 Smodule), eight RS-485 interfaces, and alarm interface of 32 alarm inputs and 16 alarm outputs. 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% Chassis 4U Dimension (W × D × H) 447 × 528 × 172mm (17.6 × 20.8 × 6.8 inch) Weight ≤ 23 kg (50.7 lb)					
management 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 1 RS-485, Keyboard USB interface Front Panel: 1 × USB 2.0; Rear Panel: 2 × USB 3.0 Alarm input/output 16/8 Extension board One extension board is supported with four 10M/100M/1000M optical interfaces (1.25 Gbps S module), eight RS-485 interfaces, and alarm interface of 32 alarm inputs and 16 alarm outputs. 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% Chassis 4U Dimension (W × D × H) 447 × 528 × 172mm (17.6 × 20.8 × 6.8 inch) Weight	RAID	RAID Type			
External interface Serial port 1-ch, RCA (2.0 Vp-p, 1 KΩ)	Network	Protocol			
Serial port 1 RS-485, Keyboard USB interface Front Panel: 1 × USB 2.0; Rear Panel: 2 × USB 3.0 Alarm input/output 16/8 Extension board One extension board is supported with four 10M/100M/1000M optical interfaces (1.25 Gbps Smodule), eight RS-485 interfaces, and alarm interface of 32 alarm inputs and 16 alarm outputs. Power supply 100 to 240 VAC, 550W 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% Chassis 4U Dimension (W × D × H) Weight \$ 23 kg (50.7 lb)	management	Network interface			
External interface USB interface Front Panel: 1 × USB 2.0; Rear Panel: 2 × USB 3.0					
interface Alarm input/output 16/8 Extension board One extension board is supported with four 10M/100M/1000M optical interfaces (1.25 Gbps Smodule), eight RS-485 interfaces, and alarm interface of 32 alarm inputs and 16 alarm outputs. Power supply 100 to 240 VAC, 550W 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% Chassis 4U Dimension (W × D × H) Weight ≤ 23 kg (50.7 lb)		Serial port	1 RS-485, Keyboard		
Extension board (optional) Power supply Fan Redundant dual ball bearing fan; Speed adjustable; Hot-plug Consumption (without HDD) Working temperature Working humidity Chassis 4U Dimension (W × D × H) Weight Consumption (Without HDD) Extension board is supported with four 10M/100M/1000M optical interfaces (1.25 Gbps S module), eight RS-485 interfaces, and alarm interface of 32 alarm inputs and 16 alarm outputs. Beautiful 100 to 240 VAC, 550W Fan Redundant dual ball bearing fan; Speed adjustable; Hot-plug 100 to 240 VAC, 550W Fan Redundant dual ball bearing fan; Speed adjustable; Hot-plug 100 to 240 VAC, 550W Fan Redundant dual ball bearing fan; Speed adjustable; Hot-plug 140W 140W 140W 100 to 240 VAC, 550W Fan Redundant dual ball bearing fan; Speed adjustable; Hot-plug 140W 147 × 528 × 172mm (17.6 × 20.8 × 6.8 inch)		USB interface	Front Panel: 1 × USB 2.0; Rear Panel: 2 × USB 3.0		
(optional) module), eight RS-485 interfaces, and alarm interface of 32 alarm inputs and 16 alarm outputs. Power supply 100 to 240 VAC, 550W 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% Chassis 4U Dimension (W × D × H) Weight ≤ 23 kg (50.7 lb)	interface	erface Alarm input/output 16/8			
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% Chassis 4U Dimension (W × D × H) Weight ≤ 23 kg (50.7 lb)					
Fan Redundant dual ball bearing fan; Speed adjustable; Hot-plug Consumption (without HDD) Working temperature $0 ^{\circ}\text{C} (32 ^{\circ}\text{F to } 122 ^{\circ}\text{F})$ Working humidity $10\% \text{to } 90\%$ Chassis $4U$ Dimension (W × D × H) Weight $\leq 23 \text{kg } (50.7 \text{lb})$		(optional)	module), eight RS-485 interfaces, and alarm	interface of 32 alarm inputs and 16 alarm outputs.	
General $\leq 140W$ Working temperature $0 \text{ °C to } + 50 \text{ °C } (32 \text{ °F to } 122 \text{ °F})$ Working humidity $10\% \text{ to } 90\%$ Chassis $4U$ Dimension $(W \times D \times H)$ Weight $\leq 23 \text{ kg } (50.7 \text{ lb})$	General	Power supply			
General			Redundant dual ball bearing fan; Speed adju	ustable; Hot-plug	
General Working humidity 10% to 90% Chassis 4U Dimension (W × D × H) Weight $\leq 23 \text{ kg} (50.7 \text{ lb})$		·	≤ 140W		
Chassis 4U Dimension (W × D × H) Weight ≤ 23 kg (50.7 lb)		Working temperature	0 °C to + 50 °C (32 °F to 122 °F)		
Dimension (W × D × H) Weight ≤ 23 kg (50.7 lb)		Working humidity	10% to 90%		
(W × D × H) Weight 447 × 528 × 172mm (17.6 × 20.8 × 6.8 inch) ≤ 23 kg (50.7 lb)		Chassis	4U		
$ \le 23 \text{ kg} (50.7 \text{ lb})$			447 × 528 × 172mm (17.6 × 20.8 × 6.8 inch)		
			≤ 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			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

Distributed by

Headquarters

No.555 Qianmo Road, Binjiang District, Hangzhou 310051, China T +86-571-8807-5998 overseasbusiness@hikvision.com

Hikvision USA T +1-909-895-0400 sales.usa@hikvision.com

Hikvision Italy T +39-0438-6902 info.it@hikvision.com

Hikvision Singapore T +65-6684-4718 sg@hikvision.com Hikvision Europe T +31-23-5542770 saleseuro@hikvision.com

Hikvision France T +33(0)1-85-330-444 info.fr@hikvision.com

Hikvision Oceania T +61-2-8599-4233 salesau@hikvision.com Hikvision Middle East T +971-4-8816086 salesme@hikvision.com

Hikvision Spain T +34-91-737-16-55 info.es@hikvision.com

Hikvision Hong Kong T +852-2151-1761 Hikvision Russia T +7-495-669-67-99 saleru@hikvision.com

Hikvision Poland T +48-22-460-01-50 poland@hikvision.com

Hikvision Canada T+1-909-895-0400 sales.usa@hikvision.com Hikvision India T+91-22-28469900 sales@pramahikvision.com

Hikvision UK T +44-1628-9021-4 support.uk@hikvision.com