

iDS-96128NXI-I24 (C) DeepinMind NVR

Key Feature

- Up to 48-ch facial recognition for video stream, or up to 96-ch facial recognition for face picture
- Up to 48-ch video structuralization
- Up to 64 libraries and 500,000 face pictures
- Up to 96-ch human and vehicle recognition of perimeter protection to reduce false alarms
- Up to 32-ch throwing objects from building
- Up to 128-ch network camera inputs
- Up to 512 Mbps incoming and outgoing bandwidth
- Up to 20-ch 1080p decoding capability
- 24 SATA interfaces (up to 10 TB capacity for each HDD)
- HDD hot swapping with RAID 0/1/5/6/10
- Redundant power supply
- 7-inch LCD touch-screen



Profession and Reliability

- H.265+ compression effectively reduces the storage space by up to 75%
- Adopt professional embedded hardware (Intel[®] processor) and software, and pioneering dual-OS design to ensure the reliability
 of system running.
- Redundant power supply ensures system stability
- ANR (Automatic Network Replenishment) technology enhances storage reliability when network exception occurs
- Adopt stream over TLS encryption technology which provides more secure stream transmission service
- Support double verification for playback and downloading

Video and Storage

- Compatible with third-party network cameras, such as ACTI, Arecont, AXIS, Bosch, Brickcom, Canon, ONVIF, PANASONIC, Pelco, SAMSUNG, SANYO, SONY, Vivotek and ZAVIO
- 24 SATA interfaces (up to 10 TB capacity per HDD), 1 eSATA interface and 2 miniSAS interfaces provided for HDD connection







Network & Ethernet Access

- 4 self-adaptive 10M/100M/1000M Ethernet interfaces
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- 4 gigabit Ethernet SFP fiber interfaces
- Smooth streaming technology
- Support web access without plug-in

Live view and Playback

- Up to 20-ch@1080p decoding for live view
- Up to 16-ch synchronous playback at 1080p resolution
- Dual 4K (4096 × 2160) HDMI outputs

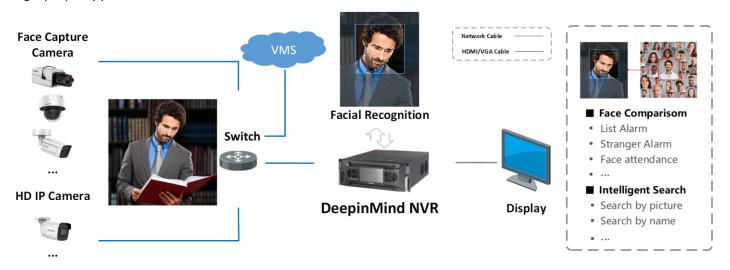
Application and Management

- Centralized management of network cameras, including configuration, information import/export, real-time information display, two-way audio, upgrade, etc.
- Configurable network camera smart functions, such as VCA detection (motion, line crossing, intrusion, etc.), heat map, ANPR, and people counting
- Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison
- VCA search for facial detection, false alarm reduction, people counting and heat map

Typical Application

Facial Recognition and Face Picture Comparison

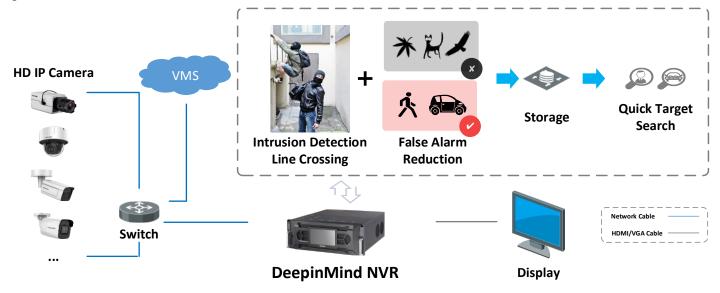
Modeling and analyzing face pictures captured by cameras. Realize list alarm and stranger alarm via face picture library. Search target people by picture and name features.





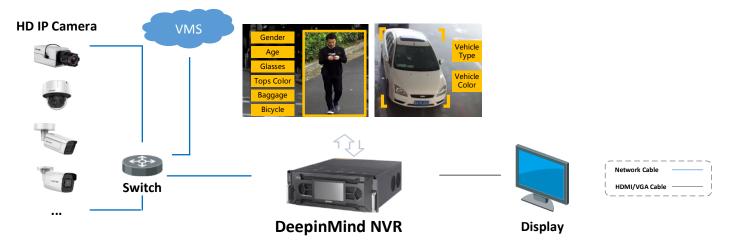
Perimeter Protection

Adopt deep learning algorithm to reduce false alarm, effectively reduces the false alarm caused by tree branches, leaves, shadow, light, vehicles, small animals, etc.



Video Structuralization

Extracting the face picture, human body and vehicle features from live videos, which is used for the tracking and retrieval of human and vehicles.





Specification

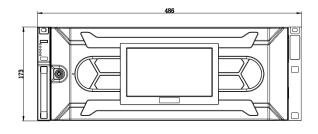
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Incoming bandwidth 512 Mbps Outgoing bandwidth 512 Mbps HDMI 1 output 4K (4096 × 2160)/30Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI 2 output 4K (4096 × 2160)/30Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 768/60Hz HDMI 2 output 4K (4096 × 2160)/30Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 768/60Hz VGA output 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA output 1-ch, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz LCD output 7-inch LCD Audio input 1-ch, RCA (2.0 Vp-p, 1 KΩ) Audio output 1-ch, RCA (2.0 Vp-p, 1 KΩ) Two-way audio input 1-ch, RCA (2.0 Vp-p, 1 KΩ) Decoding 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 Recording 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	IP video input	*: 32 MP and 24 MP is only available for channel 1 to 4 when ultra HD resolution				
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HDMI 1 output 4K (4096 × 2160)/30Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI 2 output 4K (4096 × 2160)/30Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA output 1-ch, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz LCD output 7-inch LCD Audio input 1-ch, RCA (2.0 Vp-p, 1 KΩ) Audio output 1-ch, RCA (2.0 Vp-p, 1 KΩ) Decoding 1-ch, RCA (2.0 Vp-p, 1 KΩ) Becording format H.265+/H.265/H.264+/H.264/MJPEG/MPEG4 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	Incoming bandwidth	512 Mbps				
HDMI 1 output 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI 2 output 4K (4096 × 2160)/30Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA output 1-ch, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz LCD output 7-inch LCD Audio input 1-ch, RCA (2.0 Vp-p, 1 KΩ) Audio output 1-ch, RCA (2.0 Vp-p, 1 KΩ) Two-way audio input 1-ch, RCA (2.0 Vp-p, 1 KΩ) Decoding 1-ch, RCA (2.0 Vp-p, 1 KΩ) Becording format H.265+/H.265/H.264+/H.264/MJPEG/MPEG4 S2 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	Outgoing bandwidth	512 Mbps				
HDMI 2 output 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA output 1-ch, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz LCD output 7-inch LCD Audio input 1-ch, RCA (2.0 Vp-p, 1 KΩ) Audio output 1-ch, RCA (2.0 Vp-p, 1 KΩ) Two-way audio input 1-ch, RCA (2.0 Vp-p, 1 KΩ, using the audio input) Decoding 1-ch, RCA (2.0 Vp-p, 1 KΩ, using the audio input) Recording format H.265+/H.265/H.264+/H.264/MJPEG/MPEG4 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	HDMI 1 output	1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 ×				
VGA output1024 × 768/60HzLCD output7-inch LCDAudio input1-ch, RCA (2.0 Vp-p, 1 KΩ)Audio output1-ch, RCA (2.0 Vp-p, 1 KΩ)Two-way audio input1-ch, RCA (2.0 Vp-p, 1 KΩ, using the audio input)Decoding1-ch, RCA (2.0 Vp-p, 1 KΩ, using the audio input)Decoding formatH.265+/H.265/H.264+/H.264/MJPEG/MPEG4Recording resolution32 MP/24 MP/12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720pVGA/4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 to 4 when ultra HD resolution	HDMI 2 output	4K (4096 × 2160)/30Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 ×				
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Audio output1-ch, RCA (2.0 Vp-p, 1 KΩ)Two-way audio input1-ch, RCA (2.0 Vp-p, 1 KΩ, using the audio input)DecodingH.265+/H.265/H.264+/H.264/MJPEG/MPEG4Decoding formatH.265+/H.265/H.264+/H.264/MJPEG/MPEG4Recording resolution32 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	LCD output	7-inch LCD				
Two-way audio input1-ch, RCA (2.0 Vp-p, 1 KΩ, using the audio input)DecodingDecoding formatH.265+/H.265/H.264+/H.264/MJPEG/MPEG432 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	Audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)				
Decoding H.265+/H.265/H.264+/H.264/MJPEG/MPEG4 Decoding format H.265+/H.265/H.264+/H.264/MJPEG/MPEG4 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	Audio output	1-ch, RCA (2.0 Vp-p, 1 KΩ)				
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Recording 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	Decoding					
Recording resolution /VGA/4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 to 4 when ultra HD resolution	Decoding format	rmat H.265+/H.265/H.264+/H.264/MJPEG/MPEG4				
Recording resolution *: 32 MP and 24 MP is only available for channel 1 to 4 when ultra HD resolution	Recording resolution					

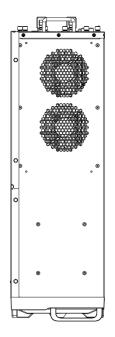


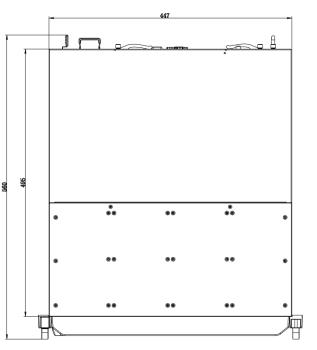
Synchronous playback	16-ch			
Capability	1-ch@32 MP (30 fps)/5-ch@8 MP (30 fps)/10-ch@4 MP (30 fps)/20-ch@1080p (30			
capability	fps)/40-ch@720p (30 fps)			
Dual stream recording	Support			
Stream type	Video, Video & Audio			
Audio compression	G.711ulaw/G.711alaw/G.722/G.726/MP2L2			
Network				
Remote connections	256			
	TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP,			
Network protocol	UPnP [™] , HTTP, HTTPS			
Network interface	4, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface			
Network mode	Net Fault-Tolerance, Load Balance, Multi-address			
RAID				
RAID Type	RAID0, RAID1, RAID5, RAID6, and RAID10 (at least 4 TB for each HDD)			
Auxiliary interface				
Fiber interface	4, gigabit Ethernet SFP interface (on extension board)			
Serial port	RS-232; RS-485 (full-duplex); Keyboard			
SATA	24 SATA interfaces supporting hot-plug			
Capacity	Up to 10 TB capacity for each disk			
eSATA	1 eSATA interface			
MiniSAS	2 miniSAS interfaces			
Alarm in/out	48/24 (main board: 16/8; extension board: 32/16)			
USB interface	Front panel: 1 × USB 2.0; Rear panel: 2 × USB 3.0			
Extension board	1; With 4 × gigabit Ethernet SFP interfaces, 8 × RS-485 (full-duplex), 32 alarm inputs,			
Extension board	and 16 alarm outputs			
General				
Processor	Quad-Core Intel [®] Xeon [®] E3			
Memory	8 GB			
Power supply	100 to 240 VAC, 50 to 60 Hz, 1 A			
Fan	Dual ball bearing fan; Speed adjustable			
Consumption	≤ 140 W			
(without HDD) Working temperature	0 °C to 50 °C (32 °F to 122 °F)			
Working temperature	10% to 90%			
Dimension (W × D × H)	447 × 495 × 173 mm (17.6 × 19.5 × 6.8 inch)			
Weight (without HDD)	$\leq 26 \text{ kg} (57.3 \text{ lb})$			
Certification				
	CE, FCC, CB, WEEE			
Obtained Certification	CE. FCC. CB. WEEE			
Obtained Certification FCC	CE, FCC, CB, WEEE Part 15 Subpart B, ANSI C63.4			

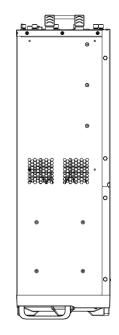


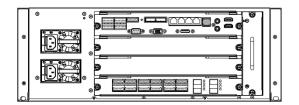
Dimension







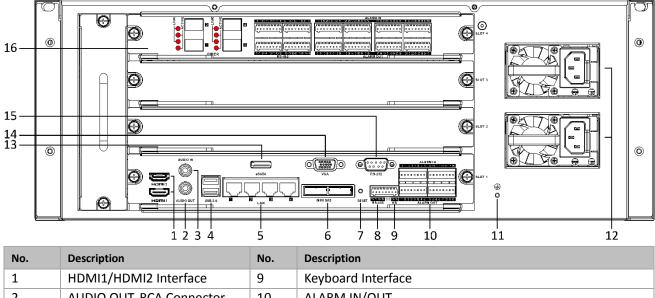




Unit: mm



Physical Interface



1		9	Reyboard Interface
2	AUDIO OUT, RCA Connector		ALARM IN/OUT
3	AUDIO IN, RCA Connector	11	Ground
4	USB 3.0 Interface	12	100 to 240 VAC Power Supply
5	LAN Network Interface	13	eSATA Interface
6	MiniSAS Interface	14	VGA Interface
7	Reset Button	15	RS-232 Interface
8	RS-485 Interface	16	Extension Board



Available Model

iDS-96128NXI-I24 (C)

Distributed by

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