

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

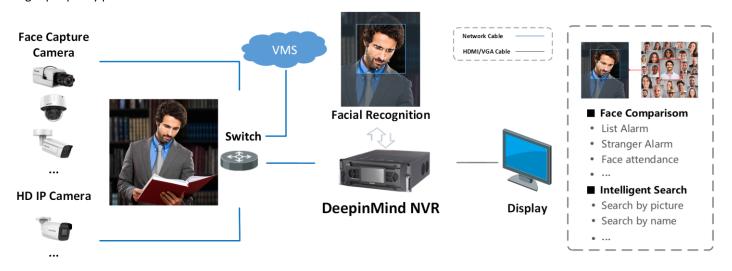
Application and Management

- 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

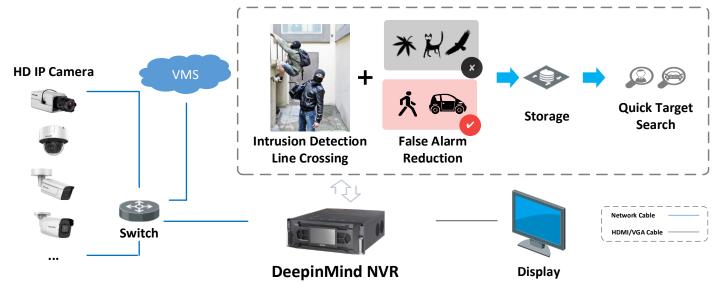
Modeling and analyzing face pictures captured by cameras. Realize list alarm and stranger alarm via face picture library. Search target people by picture and name features.





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

Smart AnalysisFacial detection and analyticsface picture comparison, human face capture, face picture search analyticsFace picture libraryUp to 64 face picture libraries, with up to 500,000 face pictures in total (each picture 2 6 MB, total capacity ≤ 40 GB)Face picture comparison96-ch face picture comparison alarmPerformance of facial detection and analytics48-ch 4 MP human face capture (HD network camera, up to 8 MP, H.264/H.265)Performance of facial detection and analyticsUp to 96-ch 2 MP (H.264/H.265) video analysis for human and vehicle recognition or reduce false alarmVideo StructuralizationUp to 96-ch 2 MP (H.264/H.265) video structured analysisVideo StructuralizationUp to 92-ch 2 MP (H.264/H.265) video structured analysisVideo StructuralizationUp to 32-ch 2 MP (H.264/H.265) video analysis for human and vehicle recognition or reduce false alarmCapabilityUp to 12-ch 2 MP (H.264/H.265) video structured analysisVideo and AudioUp to 12-ch 2 MP (H.264/H.265) video analysisVideo and QuigoUp to 12-ch 2 MP (H.264/H.265) video analysisVideo input128-chUp to 12 MP resolution *: 32 MP and 24 MP is only available for channel 1 to 4 when ultra HD resolution wide is enabled.Incoming bandwidth512 MbpsOutgoing bandwidth512 MbpsMDMI 1 output128-chMOGOLI, 1600 × 1200/GOHz, 1280 × 1024/GOHz, 1280 × 720/GOHz, 1280 ×AK (4096 × 2160)/30Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 ×AK (4096 × 2160)/30Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 ×AGS(GHz128-ch <th>Model</th> <th>iDS-96128NXI-I24</th>	Model	iDS-96128NXI-I24	
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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)		1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 ×	
VGA output 1024 × 768/60Hz LCD output 7-inch LCD Audio input 1-ch, RCA (2.0 Vp-p, 1 KΩ)		768/60Hz	
LCD output 7-inch LCD Audio input 1-ch, RCA (2.0 Vp-p, 1 KΩ)	VGA output	1-ch, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz,	
Audio input 1-ch, RCA (2.0 Vp-p, 1 KΩ)		1024 × 768/60Hz	
	LCD output	7-inch LCD	
	Audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)	
Audio output $1-ch, RCA (2.0 Vp-p, 1 R\Omega)$	Audio output	1-ch, RCA (2.0 Vp-p, 1 KΩ)	
Two-way audio input1-ch, RCA (2.0 Vp-p, 1 KΩ, using the audio input)	Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ, using the audio input)	
Decoding	Decoding		
Decoding format 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	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/OCIF			
Recording resolution *: 32 MP and 24 MP is only available for channel 1 to 4 when ultra HD resolution		*: 32 MP and 24 MP is only available for channel 1 to 4 when ultra HD resolution	
mode is enabled.			

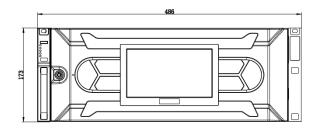


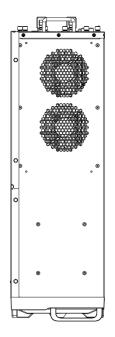
Synchronous playback	16-ch
Capability	1-ch@32 MP (30 fps)/5-ch@8 MP (30 fps)/10-ch@4 MP (30 fps)/20-ch@1080p (30
	fps)/40-ch@720p (30 fps)
	*: The length or width of camera resolution (each track) cannot exceed 4096
	pixels.
Dual stream recording	Support
Stream type	Video, Video & Audio
Audio compression	G.711ulaw/G.711alaw/G.722/G.726/MP2L2
Network	
Remote connections	256
Network protocol	TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, 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,
	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 (without HDD)	≤ 140 W
Working temperature	0 °C to 50 °C (32 °F to 122 °F)
Working humidity	10% to 90%
Dimension (W × D × H)	447 × 495 × 173 mm (17.6 × 19.5 × 6.8 inch)
Weight (without HDD)	≤ 26 kg (57.3 lb)
Certification	
Obtained Certification	CE, FCC, CB, WEEE
FCC	Part 15 Subpart B, ANSI C63.4
CE	EN 55032:2015, EN 61000-3-2, EN 61000-3-3, EN 50130-4

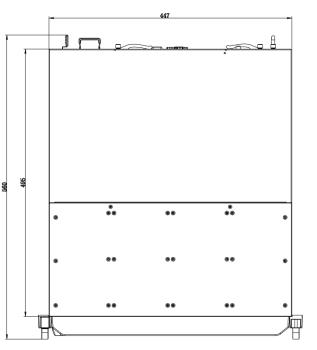


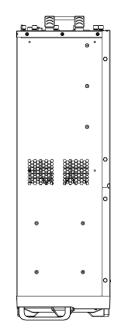


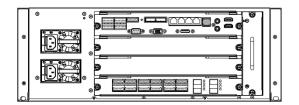
Dimension











Unit: mm



Physical Interface

6

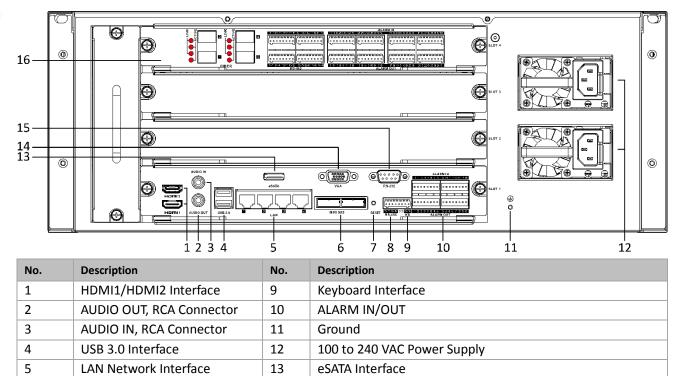
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8

MiniSAS Interface

RS-485 Interface

Reset Button



VGA Interface

RS-232 Interface

Extension Board

14

15

16



Available Model

iDS-96128NXI-I24 (C)

Distributed by

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