

iDS-96064NXI-I16 (C) DeepinMind NVR

Key Feature

- Up to 24-ch facial recognition for video stream, or up to 48-ch facial recognition for face picture
- Up to 24-ch video structuralization
- Up to 64 libraries and 500,000 face pictures
- Up to 48-ch human and vehicle recognition of perimeter protection to reduce false alarms
- Up to 16-ch throwing objects from building
- Up to 64-ch network camera inputs
- Up to 400 Mbps incoming and outgoing
- Up to 20-ch@1080p decoding capability
- 16 SATA interfaces (up to 10 TB capacity for each HDD)
- HDD hot swapping with RAID 0/1/5/6/10
- Redundant power supply



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
- 16 SATA interfaces (up to 10 TB capacity per HDD) and 1 eSATA interface are 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
- 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

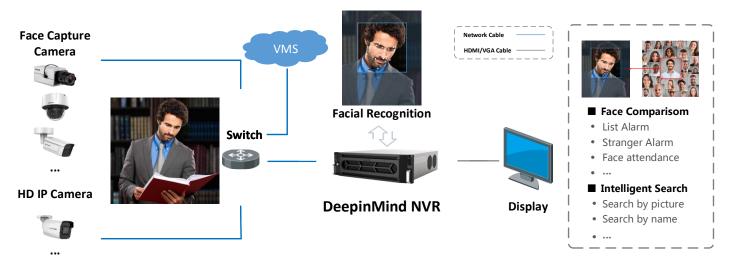
Application and Management

- 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

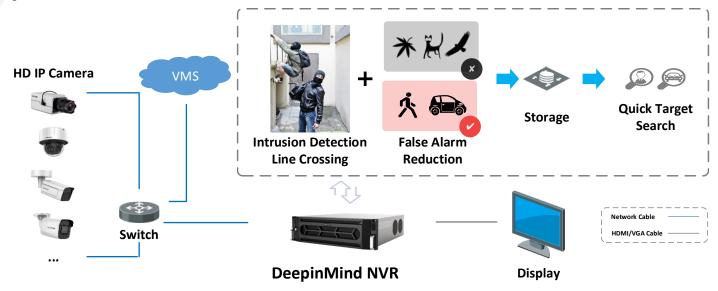
Modeling and analyzing face pictures captured by cameras. Realize list alarm and stranger alarm via face picture library. Search target people by picture and name features.





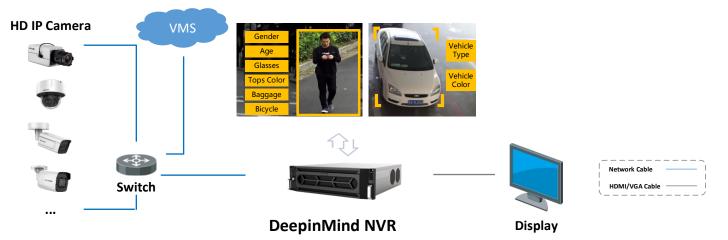
Perimeter Protection

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.





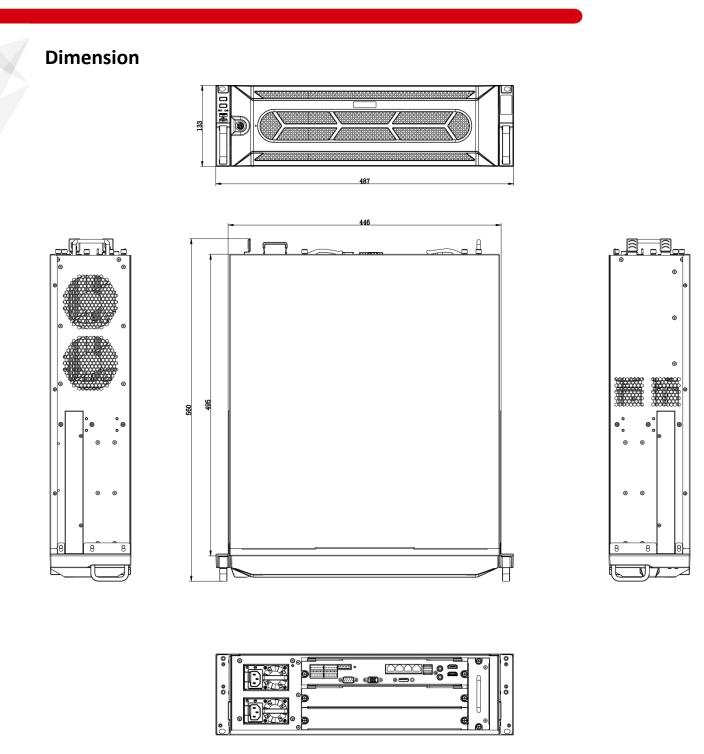
Specification

Model	iDS-96064NXI-I16				
Facial Recognition					
Facial detection and analytics	Face picture comparison, human face capture, face picture search				
Face picture library	Up to 64 face picture libraries, with up to 500,000 face pictures in total (each picture ≤ 6				
	MB, total capacity ≤ 40 GB)				
Face picture comparison Performance of facial	48-ch face picture comparison alarm				
	24-ch 4 MP human face capture (HD network camera, up to 8 MP, H.264/H.265)				
detection and analytics					
Perimeter Protection	Up to 48 ch 2 MD (U 2C4/U 2C5) video analysis for human and vahials recognition to				
Human/Vehicle analysis	Up to 48-ch 2 MP (H.264/H.265) video analysis for human and vehicle recognition to reduce false alarm				
Video Structuralization					
	Up to 24 ob 2 MD (U 2C4/U 2C5) video structured explusio				
Structured analysis	Up to 24-ch 2 MP (H.264/H.265) video structured analysis				
Throwing Objects from Bu	-				
Capability	Up to 16-ch 2 MP (H.264/H.265) video analysis				
Video and Audio					
	64-ch				
IP video input	Up to 12 MP resolution				
	*: 32 MP and 24 MP is only available for channel 1 to 4 when ultra HD resolution mode is				
	enabled.				
Incoming bandwidth	400 Mbps				
Outgoing bandwidth					
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	putput 1-ch, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 768/60Hz 768/60Hz				
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	udio input 1-ch, RCA (2.0 Vp-p, 1 KΩ)				
Decoding					
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				
Recording resolution	*: 32 MP and 24 MP is only available for channel 1 to 4 when ultra HD resolution mode is				
	enabled.				
Synchronous playback	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)				
Dual-stream recording	Support				
Stream type					



Network 128 Remote connections 128 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 RAID RAID RAID Type RAID0, RAID1, RAID5, RAID6, and RAID10 (at least 4 TB for each HDD) Auxiliary interface Serial port Serial port RS-232; RS-485 (full-duplex); Keyboard SATA 16 SATA interfaces supporting hot-plug Capacity Up to 10 TB capacity for each disk eSATA 1 eSATA interface Alarm in/out 16/8 Front panel: 2 × USB 2.0; Rear panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0 General Processor Processor Dual-Core Intel® Core® I3 Memory 8 GB Power supply 100 to 240 VAC, 50 to 60Hz, redundant power supply Fan Dual ball bearing fan; Speed adjustable Consumption without HDD) ≤ 140 W						
Remote connections 128 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 RAID restrict a support of the second secon	Audio compression	G.711ulaw/G.711alaw/G.722/G.726/MP2L2				
Network protocolTCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPSNetwork interface4, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interfaceRAIDRAIDRAIDRAID0, RAID1, RAID5, RAID6, and RAID10 (at least 4 TB for each HDD)Auxiliary interfaceSerial portSerial portRS-232; RS-485 (full-duplex); KeyboardSATA16 SATA interfaces supporting hot-plugCapacityUp to 10 TB capacity for each diskeSATA1 eSATA interfaceAlarm in/out16/8USB interfaceFront panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0GeneralProcessorProcessorDual-Core Intel® Core® 13Memory8 GBPower supply100 to 240 VAC, 50 to 60Hz, redundant power supplyGonsumption without HDD)≤ 140 W	Network					
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Auxiliary interface Serial port RS-232; RS-485 (full-duplex); Keyboard SATA 16 SATA interfaces supporting hot-plug Capacity Up to 10 TB capacity for each disk eSATA 1 eSATA interface Alarm in/out 16/8 USB interface Front panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0 General Processor Processor Dual-Core Intel® Core® I3 Memory 8 GB Power supply 100 to 240 VAC, 50 to 60Hz, redundant power supply To to 240 VAC, 50 to 60Hz, redundant power supply Fan Dual ball bearing fan; Speed adjustable Consumption < 140 W	RAID					
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SATA16 SATA interfaces supporting hot-plugCapacityUp to 10 TB capacity for each diskeSATA1 eSATA interfaceAlarm in/out16/8USB interfaceFront panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0GeneralProcessorProcessorDual-Core Intel® Core® I3Memory8 GBPower supply100 to 240 VAC, 50 to 60Hz, redundant power supplyFanDual ball bearing fan; Speed adjustableConsumption (without HDD)< 140 W	Auxiliary interface					
CapacityUp to 10 TB capacity for each diskeSATA1 eSATA interfaceAlarm in/out16/8USB interfaceFront panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0GeneralProcessorProcessorDual-Core Intel® Core® I3Memory8 GBPower supply100 to 240 VAC, 50 to 60Hz, redundant power supplyFanDual ball bearing fan; Speed adjustableConsumption (without HDD) \leq 140 W	Serial port	RS-232; RS-485 (full-duplex); Keyboard				
eSATA 1 eSATA interface Alarm in/out 16/8 USB interface Front panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0 General Processor Processor Dual-Core Intel® Core® I3 Memory 8 GB Power supply 100 to 240 VAC, 50 to 60Hz, redundant power supply Fan Dual ball bearing fan; Speed adjustable Consumption (without HDD) ≤ 140 W	SATA	16 SATA interfaces supporting hot-plug				
Alarm in/out 16/8 USB interface Front panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0 General Dual-Core Intel® Core® I3 Processor Dual-Core Intel® Core® I3 Memory 8 GB Power supply 100 to 240 VAC, 50 to 60Hz, redundant power supply Fan Dual ball bearing fan; Speed adjustable Consumption (without HDD) ≤ 140 W	Capacity	Up to 10 TB capacity for each disk				
USB interfaceFront panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0GeneralDual-Core Intel® Core® I3ProcessorDual-Core Intel® Core® I3Memory8 GBPower supply100 to 240 VAC, 50 to 60Hz, redundant power supplyFanDual ball bearing fan; Speed adjustableConsumption (without HDD)	eSATA	1 eSATA interface				
USB interface Rear panel: 2 × USB 3.0 General Dual-Core Intel® Core® I3 Processor Dual-Core Intel® Core® I3 Memory 8 GB Power supply 100 to 240 VAC, 50 to 60Hz, redundant power supply Fan Dual ball bearing fan; Speed adjustable Consumption Without HDD) 140 W	Alarm in/out	16/8				
Rear panel: 2 × USB 3.0 General Processor Dual-Core Intel® Core® I3 Memory 8 GB Power supply 100 to 240 VAC, 50 to 60Hz, redundant power supply Fan Dual ball bearing fan; Speed adjustable Consumption (without HDD) ≤ 140 W	LICD interface	Front panel: 2 × USB 2.0;				
Processor Dual-Core Intel® Core® I3 Memory 8 GB Power supply 100 to 240 VAC, 50 to 60Hz, redundant power supply Fan Dual ball bearing fan; Speed adjustable Consumption (without HDD)	USB Interface	Rear panel: 2 × USB 3.0				
Memory 8 GB Power supply 100 to 240 VAC, 50 to 60Hz, redundant power supply Fan Dual ball bearing fan; Speed adjustable Consumption (without HDD) <140 W	General					
Power supply 100 to 240 VAC, 50 to 60Hz, redundant power supply Fan Dual ball bearing fan; Speed adjustable Consumption ≤ 140 W	Processor	Dual-Core Intel [®] Core [®] I3				
Fan Dual ball bearing fan; Speed adjustable Consumption ≤ 140 W	Memory	8 GB				
Consumption $\leq 140 \text{ W}$	Power supply	ply 100 to 240 VAC, 50 to 60Hz, redundant power supply				
(without HDD) $\leq 140 \text{ W}$	Fan	Dual ball bearing fan; Speed adjustable				
without HDD)	Consumption	umption < 140 W				
Norking temperature 0 °C to 50 °C (32 °F to 122 °F)	(without HDD)	IDD)				
	Working temperature					
Working humidity 10% to 90%	Working humidity	10% to 90%				
Dimension (W × D × H) 446 × 495 × 133 mm (17.6 × 19.5 × 5.2 inch)	Dimension (W × D × H)					
Weight (without HDD) \leq 20 kg (44 lb)	Weight (without HDD)					
Certification						
Obtained Certification CE, FCC, CB, WEEE	Obtained Certification	CE, FCC, CB, WEEE				
FCC Part 15 Subpart B, ANSI C63.4	FCC	Part 15 Subpart B, ANSI C63.4				
CE EN 55032:2015, EN 61000-3-2, EN 61000-3-3, EN 50130-4	CE	EN 55032:2015, EN 61000-3-2, EN 61000-3-3, EN 50130-4				

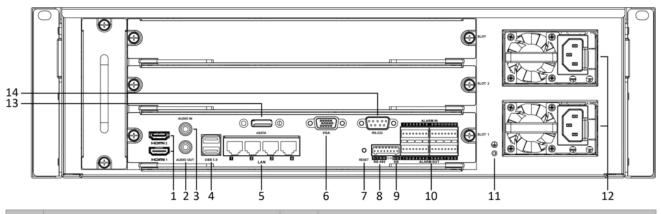




Unit: mm



Physical Interface



No.	Description	No.	Description
1	HDMI 1/HDMI 2 Interface	8	RS-485 Interface
2	AUDIO OUT, RCA Connector	9	Keyboard Interface
3	AUDIO IN, RCA Connector	10	ALARM IN/OUT
4	USB 3.0 Interface	11	Ground
5	LAN Network Interface	12	100 to 240 VAC Power Supply
6	VGA Interface	13	RS-232 Interface
7	Reset Button	14	eSATA Interface



Available Model

iDS-96064NXI-I16 (C)

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