iDS-96000NXI-I24(B) DeepinMind Series NVR

Key Feature

- Intelligent analytics based on deep learning algorithm
- Up to 128-ch network camera input
- 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
- H.265+/H.265/H.264+/H.264 self-adaptive video formats

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

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

Live view and Playback

- Up to 20-ch@1080p decoding for live view
- Up to 16-ch synchronous playback at 1080p resolution
- Simultaneous HDMI 1/HDMI 2 output as main output and VGA works as auxiliary output
- 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
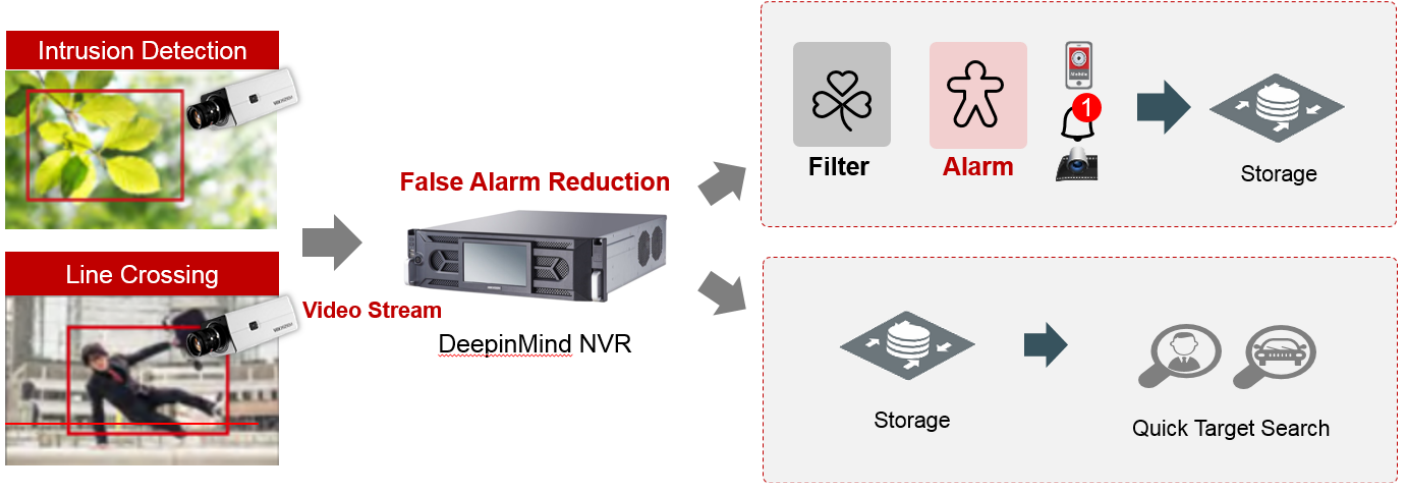
Typical Application

Facial Recognition and Face Picture Comparison

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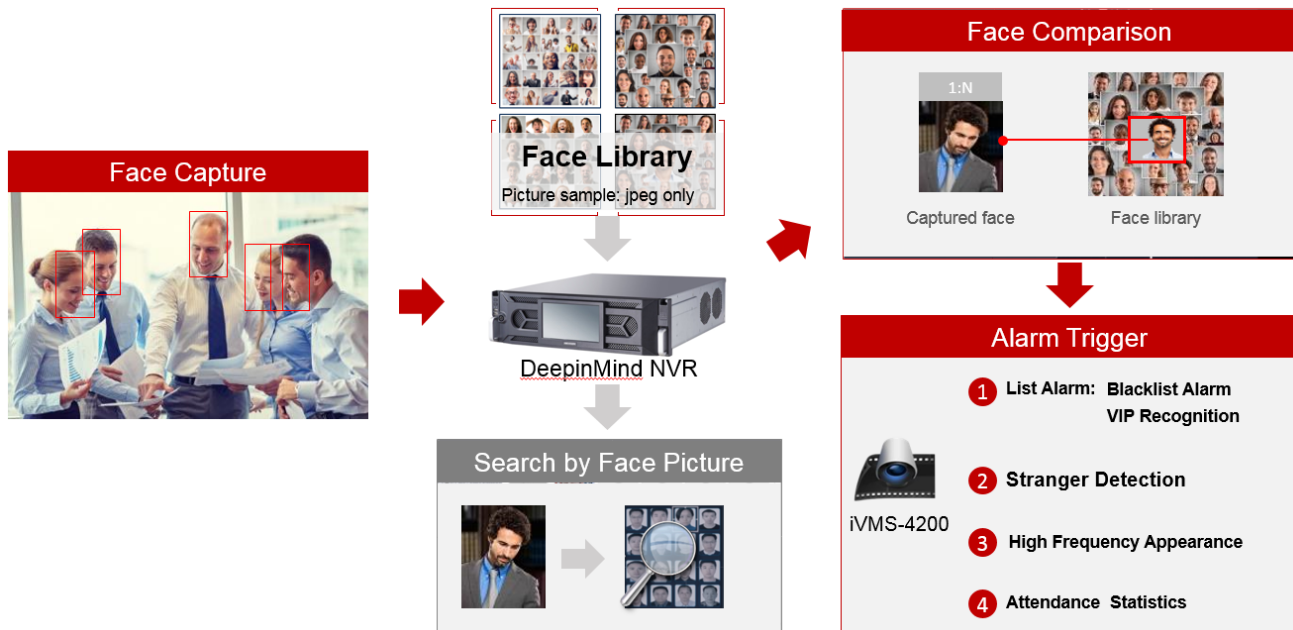
False Alarm Reduction

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

Specification

| Model	iDS-96128NXI-I24(B)
Smart Analysis	
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
Face picture comparison	48-ch face picture comparison alarm
Performance of facial detection and analytics	24-ch human face capture (HD network camera, up to 4 MP, H.264/H.265)
Human/Vehicle Analysis	
False alarm reduction	Up to 96-ch 2 MP (H.264/H.265) video analysis for human and vehicle recognition to reduce false alarm
Video and Audio	
IP video input	128-ch
	Up to 12 MP resolution
Incoming/outgoing bandwidth	512 Mbps/512 Mbps
VGA output	1-ch, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
HDMI output	2-ch independent HDMI interface, 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
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 k Ω)
Decoding	
Decoding format	H.265+/H.265/H.264+/H.264/MJPEG/MPEG4
Recording resolution	12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p /VGA/4CIF/DCIF/2CIF/CIF/QCIF
Synchronous playback	16-ch
Capability	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	Video, Video & Audio
Audio compression	G.711ulaw/G.711alaw/G.722/G.726/MP2L2
Network	
Remote connections	256
Network protocol	IPv6, HTTP, HTTPS, UPnP, SNMP, NTP, SADP, SMTP, NFS, iSCSI, PPPoE, DDNS
Network interface	4, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
Interoperability	Profile S client
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, redundant power supply, 550W
Fan	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 × 495 × 173 mm (17.6 × 19.5 × 6.8 inch)
Weight (without HDD)	≤ 26 kg (57.3 lb)
Certification	
FCC	SHEM190301156501ATC
CE	SHEM190301156401ATC

Dimension

486

173

447

560

495
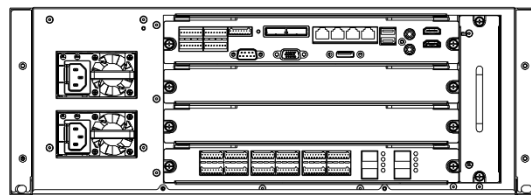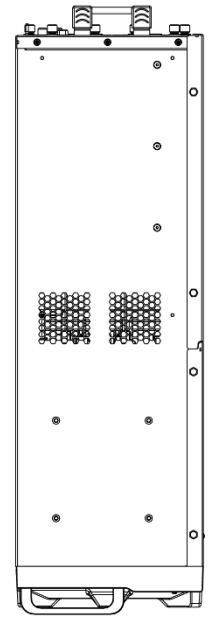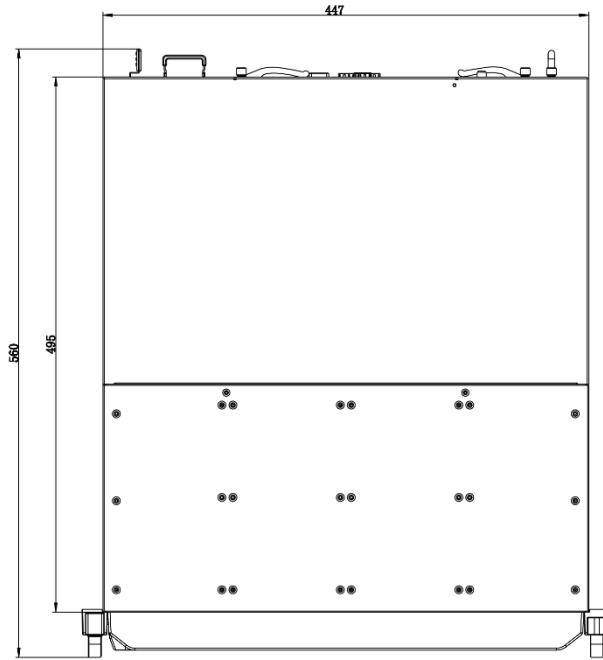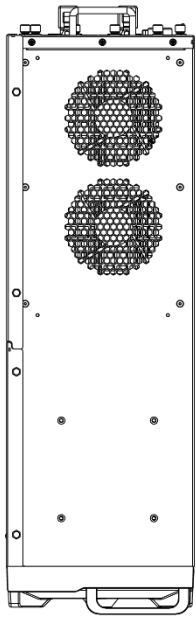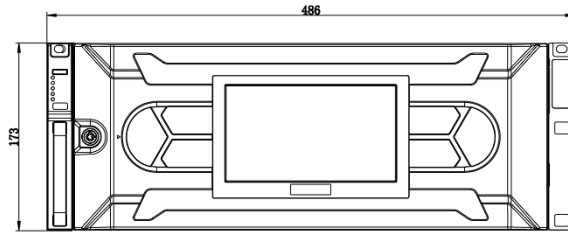
Unit: mm

Physical Interface
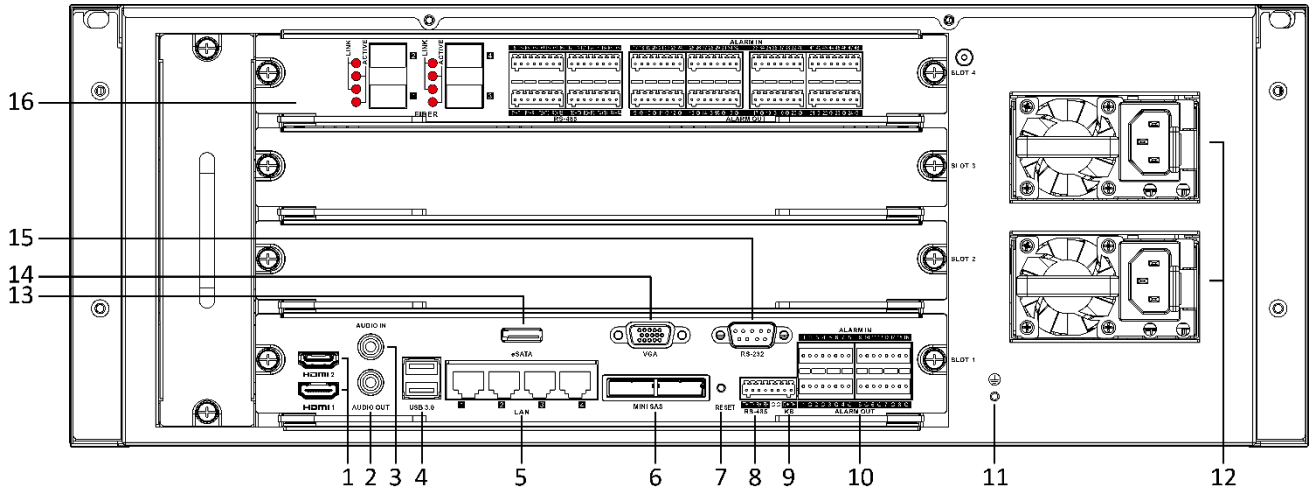
No.	Description	No.	Description
1	HDMI1/HDMI2 Interface	9	Keyboard Interface
2	AUDIO OUT, RCA Connector	10	ALARM IN/OUT
3	AUDIO IN, RCA Connector	11	Ground
4	USB 3.0 Interface	12	100 to 240 VAC Power Supply
5	LAN Network Interface	13	eSATA Interface
6	MiniSAS Interface	14	VGA Interface
7	Reset Button	15	RS-232 Interface
8	RS-485 Interface	16	Extension board

HIKVISION®

Available Model

iDS-96128NXI-I24(B)

0401701090813

HIKVISION®

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

Hikvision Europe
T +31-23-5542770
sales.eu@hikvision.com

Hikvision UK & Ireland
T +01628-902140
sales.uk@hikvision.com

Hikvision UAE
T +971-4-4432090
salesme@hikvision.com

Hikvision Russia
T +7-495-669-67-99
saleru@hikvision.com

Hikvision Australia
T +61-2-8599-4233
salesau@hikvision.com

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

Hikvision South Africa
Tel: +27 (10) 0351172
sale.africa@hikvision.com

Hikvision Singapore
T +65-6684-4718
sg@hikvision.com

Hikvision Korea
T +82-(0)31-731-8817
sales.korea@hikvision.com

Hikvision India
T +91-22-28469900
sales@pramahikvision.com

Hikvision Brazil
T +55 11 3318-0050
Latam.support@hikvision.com

Hikvision France
T +33(0)1-85-330-450
info.fr@hikvision.com

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

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

Hikvision Canada
T +1-866-200-6690
sales.canada@hikvision.com

Hikvision Turkey
T +90 (216)521 7070- 7074
sales.tr@hikvision.com

Hikvision Kazakhstan
T +7-727-9730667
nikia.panfilov@hikvision.ru

Hikvision Tashkent
T +99-87-1238-9438
uzb@hikvision.ru

Hikvision Indonesia
T +62-21-2933759
Sales.Indonesia@hikvision.com

Hikvision Thailand
T +662-275-9949
sales.thailand@hikvision.com

Hikvision Malaysia
T +601-7652-2413
sales.my@hikvision.com

Hikvision Vietnam
T +84-974270888
sales.vt@hikvision.com

Hikvision Hong Kong
T +852-2151-1761
info.hk@hikvision.com

Hikvision Colombia
sales.colombia@hikvision.com