

iDS-9600NXI-I8/X (MENA) DeepinMind Series NVR

Key Feature

- H.265+/H.265/H.264+/H.264 video formats
- Intelligent analytics based on deep learning algorithm
- Up to 16-ch perimeter protection
- Up to 8-ch facial recognition for video stream, or up to 16-ch facial recognition for face picture
- Up to 4-ch video structuralization
- Up to 16-ch 1080p decoding capability



Compression and Recording

- H.265+ compression effectively reduces the storage space by up to 75%
- Full channel IP cameras connection
- Compatible to third-party network cameras

HD Video Output

- Provide independent HDMI and VGA outputs
- HDMI video output at up to 4K resolution

Storage and Playback

- Up to 8 SATA interfaces for HDD connection
- Hot-swappable HDD and configurable RAID 0, RAID 1, RAID 5, RAID 6 and RAID 10 storage scheme
- 16-ch synchronous playback at up to 1080p resolution

Smart & POS Function

- Support multiple VCA (Video Content Analytics) events
- Smart search for the selected area in the video, and smart playback to improve the playback efficiency
- POS information overlay on live view and playback
- POS triggered recording and alarm



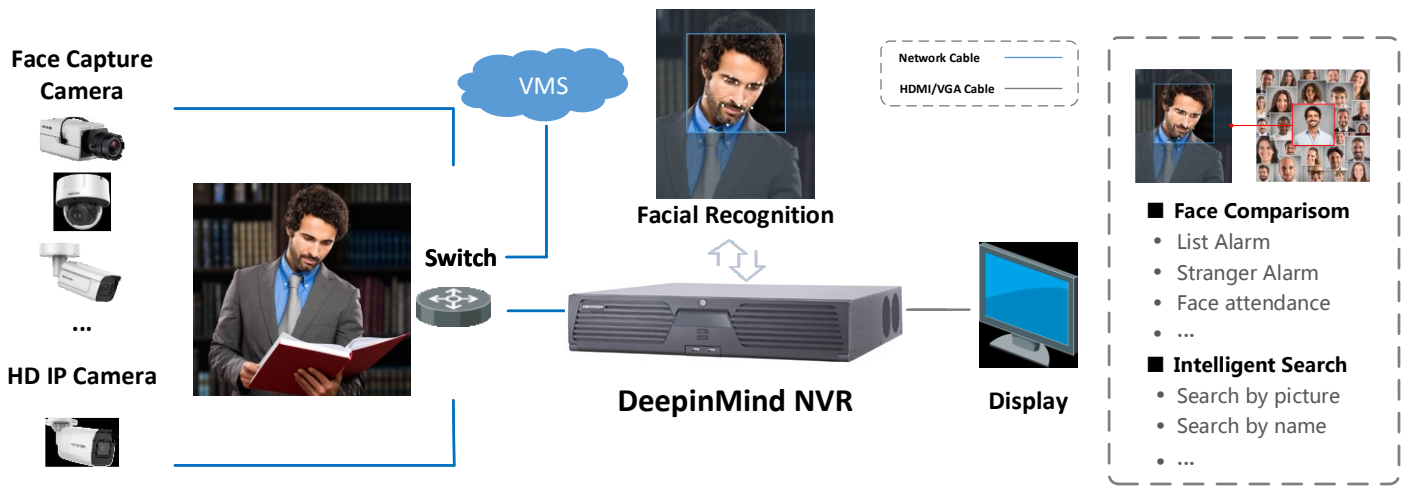
Network & Ethernet Access

- 2 self-adaptive 10/100/1000 Mbps Ethernet interfaces
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management 4 gigabit Ethernet SFP fiber interfaces

Typical Application

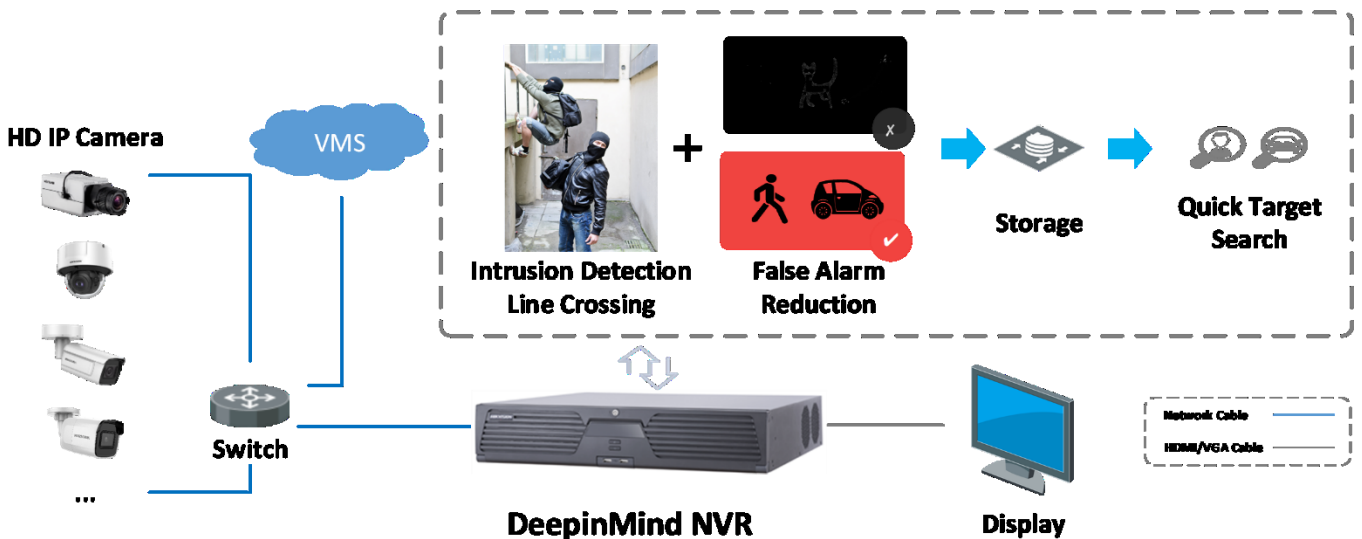
Facial Recognition and Face Picture Comparison

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.



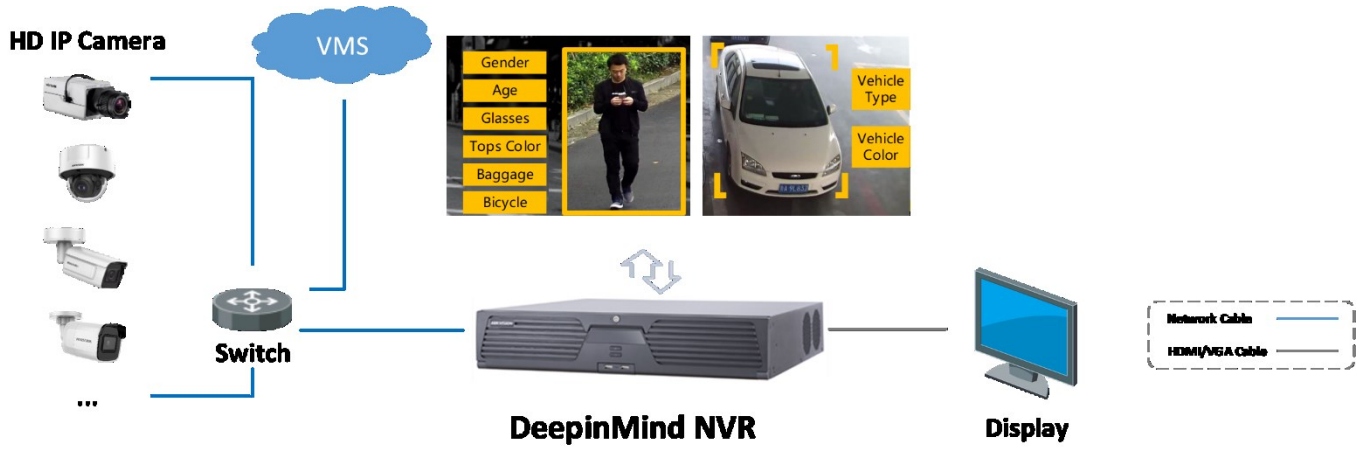
Perimeter Protection

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.



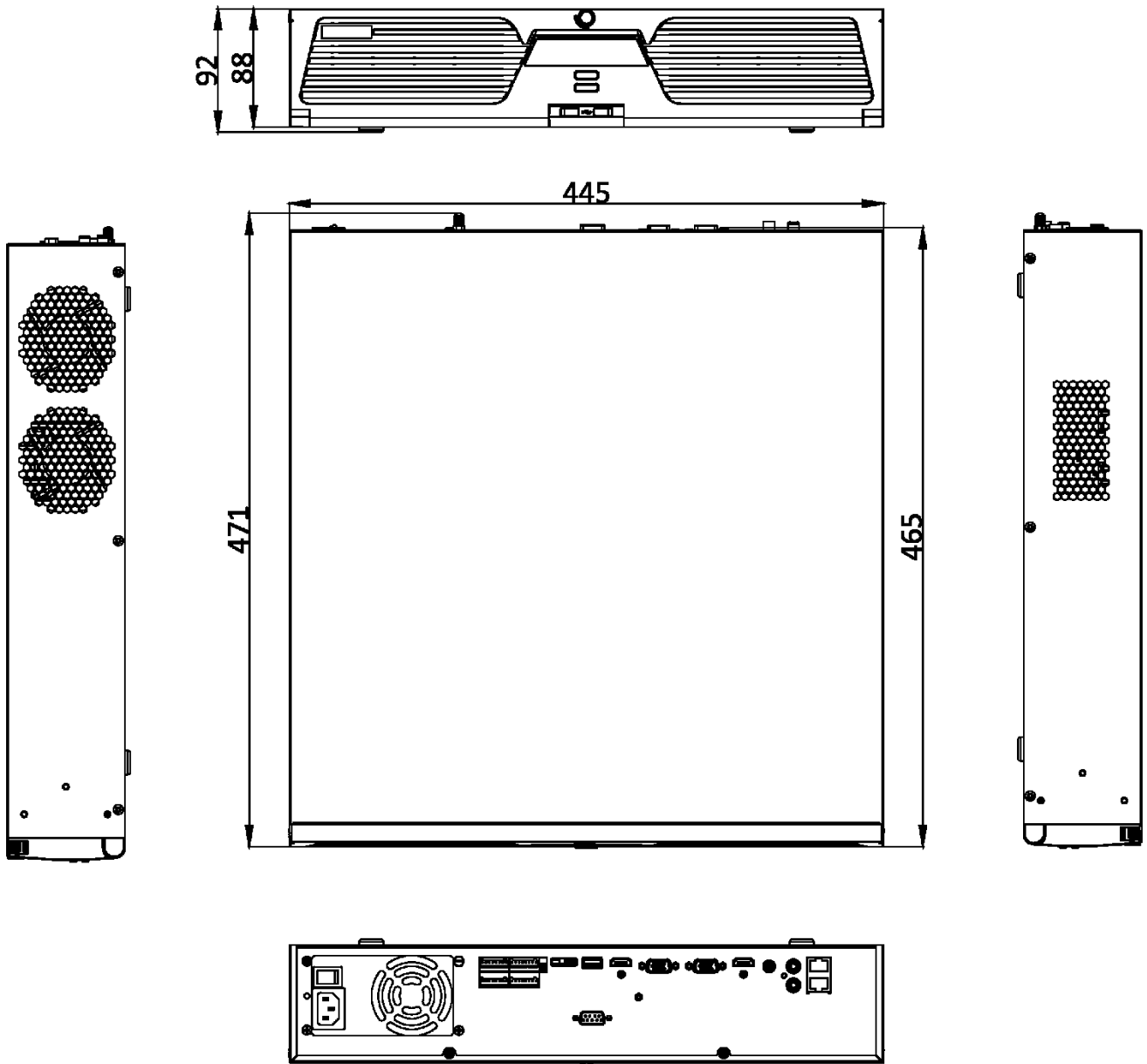
Specification

Model	iDS-9616NXI-I8/X(MENA)	iDS-9632NXI-I8/X(MENA)	iDS-9664NXI-I8/X(MENA)
Facial Recognition¹			
Facial detection and analytics	Face picture comparison, human face capture, face picture search		
Face picture library	Up to 32 face picture libraries, with up to 100,000 face pictures in total		
Face picture comparison	16-ch face picture comparison alarm		
Performance of facial detection and analytics	8-ch 2 MP human face capture (HD network camera, up to 8 MP, H.264/H.265)		
Perimeter Protection¹			
False alarm reduction	Up to 16-ch 2 MP (HD network camera, up to 8 MP, H.264/H.265) video analysis for human and vehicle recognition to reduce false alarm		
Video Structuralization¹			
Structured analysis	Up to 4-ch 2 MP (HD network camera, up to 8 MP, H.264/H.265) live video structuralization analysis		
Face picture library	Up to 32 face picture libraries, with up to 100,000 face pictures in total		
Face picture comparison	8-ch face picture comparison alarm		
Video and Audio			
IP video input	16-ch	32-ch	64-ch
	Up to 16 MP resolution		
Incoming/outgoing bandwidth	320 Mbps/256 Mbps		
Incoming/outgoing bandwidth (RAID mode)	200 Mbps/200 Mbps		
VGA1 /HDMI1 output	VGA1: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz		
	HDMI1: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz		
VGA2 /HDMI2 output	1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz		
CVBS output (Optional)	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480		
Audio output	2-ch, RCA (Linear, 1 KΩ)		
Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)		
Decoding			
Decoding format	H.265/H.265+/H.264/H.264+/MPEG4		
Recording resolution	16MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF /2CIF/CIF/QCIF		
Synchronous playback	16-ch		
Capability	16-ch @ 1080p (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	128		
Network protocol	TCP/IP, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™, HTTPS,		

	ISUP 5.0
Network interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
Interoperability	Profile S client
Network mode	Net Fault-Tolerance, Multi-address
RAID	
RAID Type	RAID0, RAID1, RAID5, RAID6, RAID10
Auxiliary interface	
Serial port	RS-232; RS-485; Keyboard
SATA	8 SATA interfaces
Capacity	Up to 10 TB capacity for each disk
eSATA	1 eSATA interface
Alarm in/out	16/4 (16/8 is optional)
USB interface	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
General	
Power supply	100 to 240 VAC, 50 to 60 Hz
Total power	200 W
Consumption (without HDD)	≤ 70W
Working temperature	-10 to +55° C (+14 to +131° F)
Working humidity	10% to 90%
Dimension (W × D × H)	445 × 465 × 92 mm (17.5"× 18.3" × 3.6")
Weight (without HDD)	≤ 10 kg (22 lb)
Certification	
FCC	Part 15 Subpart B, ANSI C63.4
CE	EN 55032:2015, EN 61000-3-2, EN 61000-3-3, EN 50130-4

1: Facial recognition, perimeter protection, and video structuralization cannot be enabled at the same time. Enable one function will make the other two unavailable.

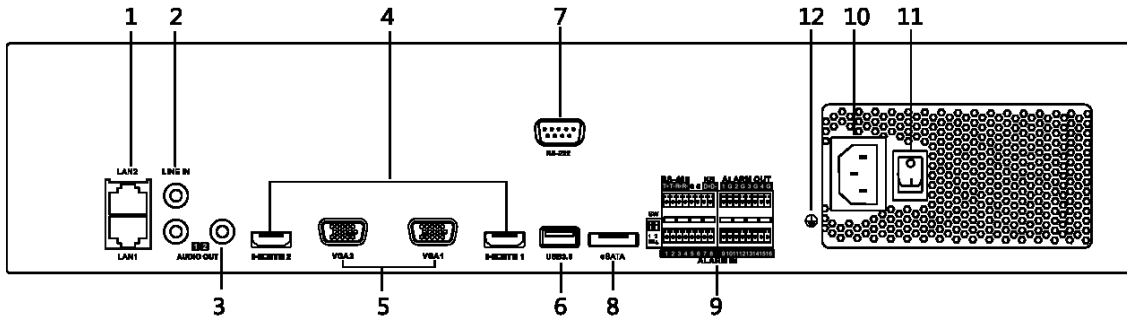
Dimension



scale/1:1;Unit/mm

Unit: mm

Physical Interface



No.	Description	No.	Description
1	LAN1/LAN2 Interface	7	RS-232 Interface
2	LINE IN	8	eSATA Interface
3	AUDIO OUT	9	Controller Port, Alarm In/Alarm Out
4	HDMI1/HDMI2 Interface	10	100 to 240 VAC power supply
5	VGA1/VGA2 Interface	11	Power Switch
6	USB 3.0 Interface	12	GND

Available Model

iDS-9616NXI-I8/X(MENA), iDS-9632NXI-I8/X(MENA), iDS-9664NXI-I8/X(MENA)

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