

iDS-7600NXI-I2/X DeepinMind Series NVR

Key Feature

- H.265+/H.265/H.264+/H.264 video formats
- Intelligent analytics based on deep learning algorithm
- Up to 8-ch perimeter protection
- Up to 8-ch facial recognition for video stream, or up to 16-ch facial recognition (iDS-7616NXI-I2/X) for face picture
- Up to 4-ch video structuralization
- Up to 8/16-ch IP cameras can be connected
- Up to 16-ch 1080p decoding capability



Professional and Reliability

- H.265+ compression effectively reduces the storage space by up to 75%
- Dual-stream recording saves bandwidth
- Adopt stream over TLS encryption technology which provides more secure stream transmission service
- Support double verification for playback and downloading

HD Video Output

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

Storage and Playback

- Up to 2 SATA interfaces for HDD connection
- Up to 8/16-ch synchronous playback

Smart & POS Function

- Support multiple VCA (Video Content Analytics) events
- Configurable special camera smart functions, such as VCA detection (motion, line crossing, intrusion, etc.), heat map, ANPR (Automatic Number-Plate Recognition), and people counting
- POS information overlay on live view and playback, and POS triggered recording and alarm



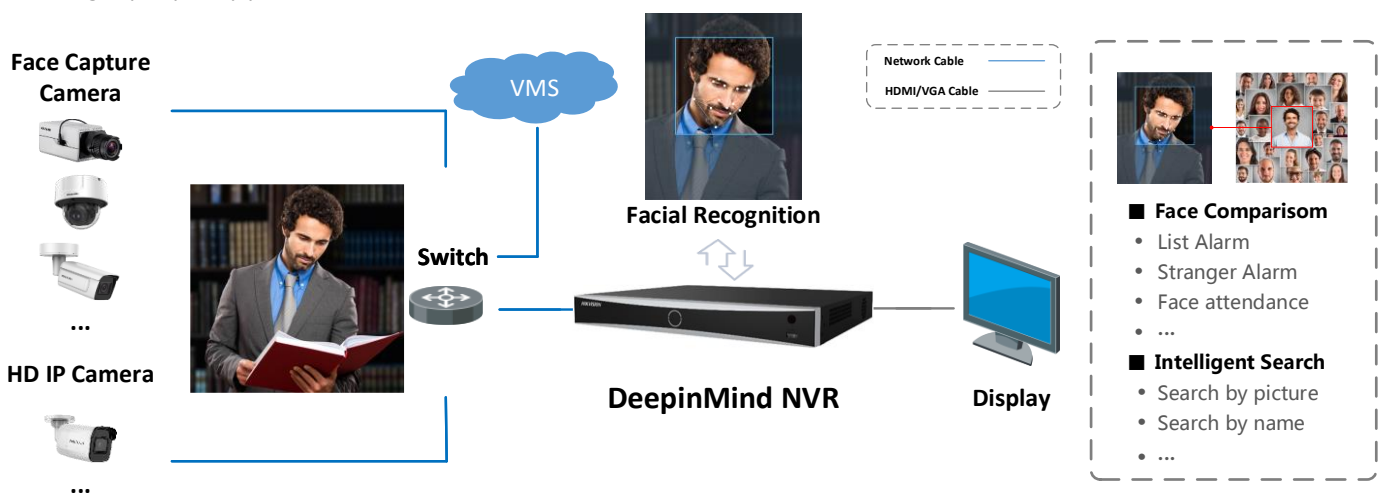
Network & Ethernet Access

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

Typical Application

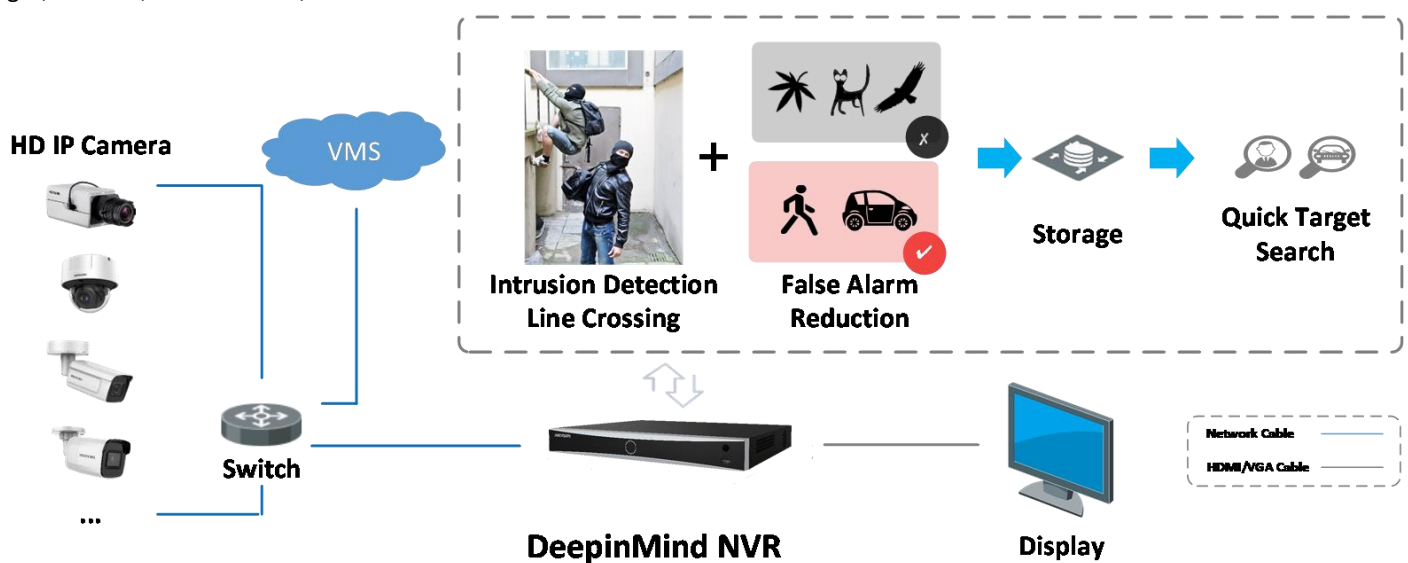
Facial Recognition and Face Picture Comparison

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.



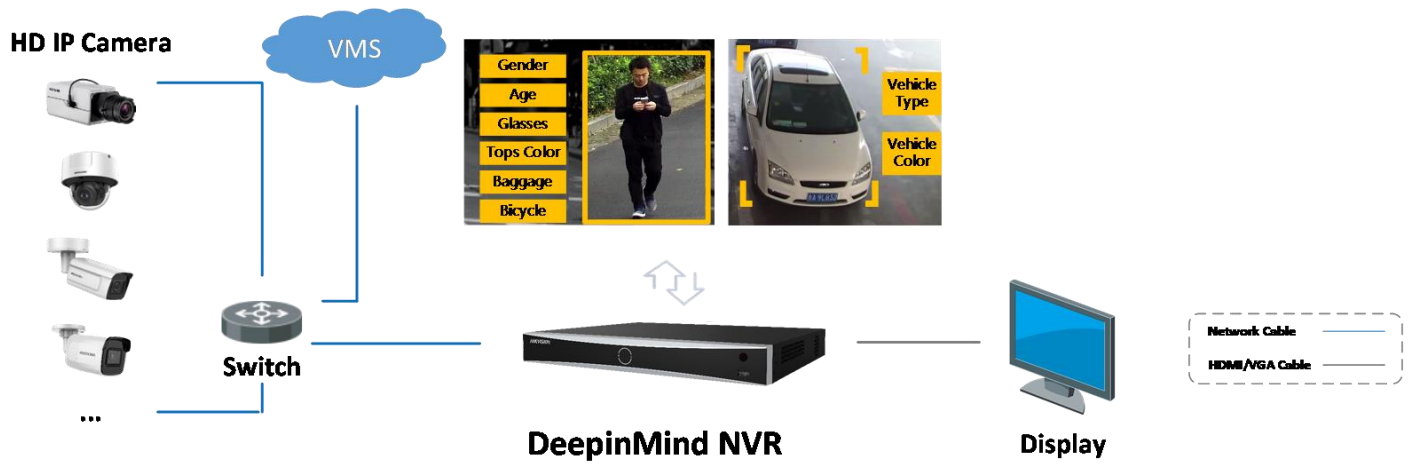
Perimeter Protection

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.



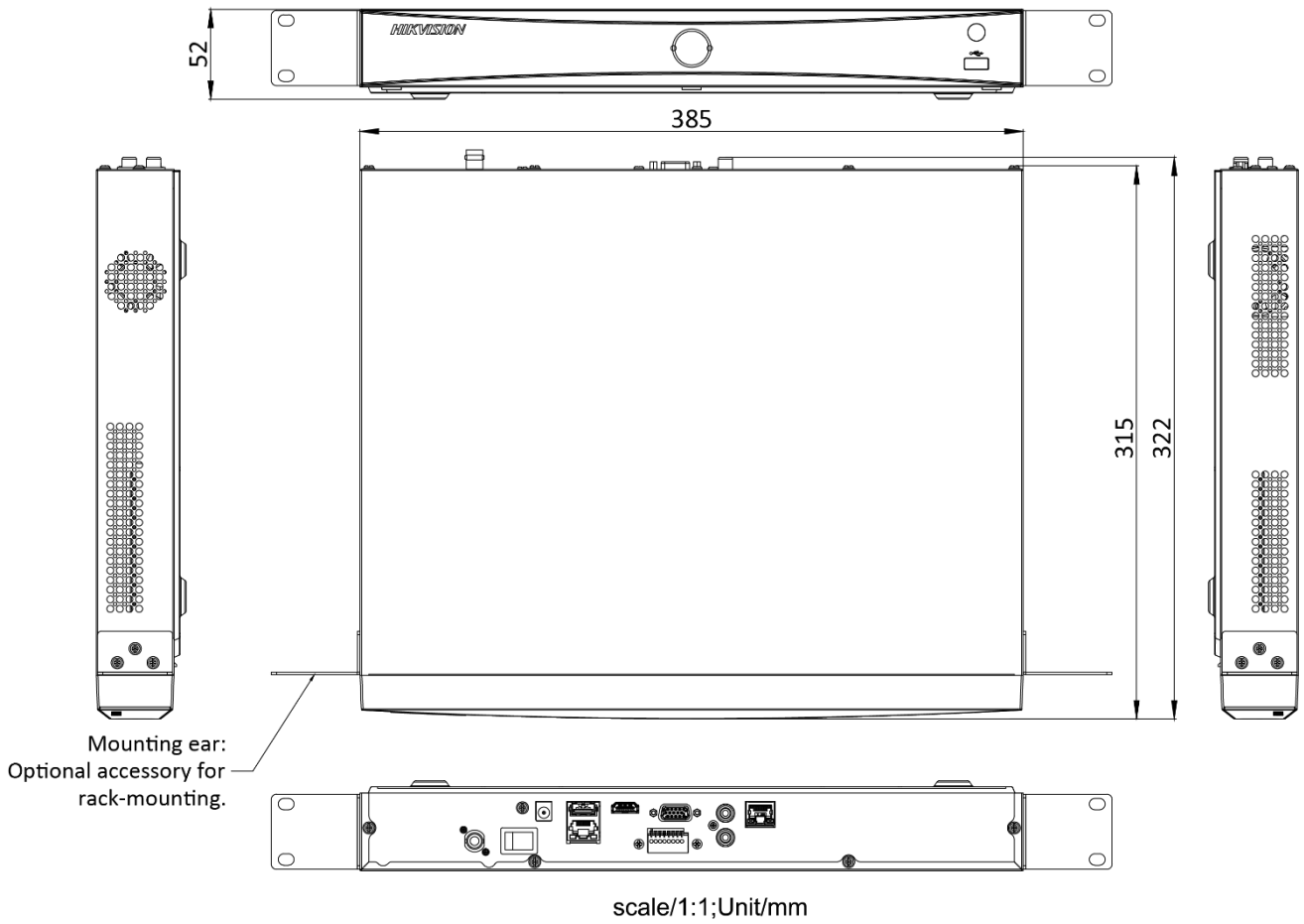
Specification

Model	iDS-7608NXI-I2/X	iDS-7616NXI-I2/X
Facial Recognition¹		
Facial detection and analytics	Face picture comparison, human face capture, face picture search	
Face picture library	Up to 16 face picture libraries, with up to 100,000 face pictures in total (each picture ≤ 4 MB, total capacity ≤ 20 GB)	
Face picture comparison	8-ch face picture comparison alarm	16-ch face picture comparison alarm
Performance of facial detection and analytics	8-ch 4 MP human face capture (HD network camera, up to 8 MP, H.264/H.265)	
Perimeter Protection¹		
Human/vehicle analysis	Up to 8-ch 4 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 16 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	8-ch	16-ch
	Up to 12 MP resolution *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.	
Incoming bandwidth	320 Mbps	
Outgoing bandwidth	256 Mbps	
HDMI output	1-ch, 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	
VGA output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	
Video output mode	HDMI/VGA independent output	
CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480	
Audio output	1-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	32 MP/24 MP/12 MP/8 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 when ultra HD resolution mode is enabled.	
Synchronous playback	8-ch	16-ch
Capability	1-ch@32 MP (30 fps)/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	

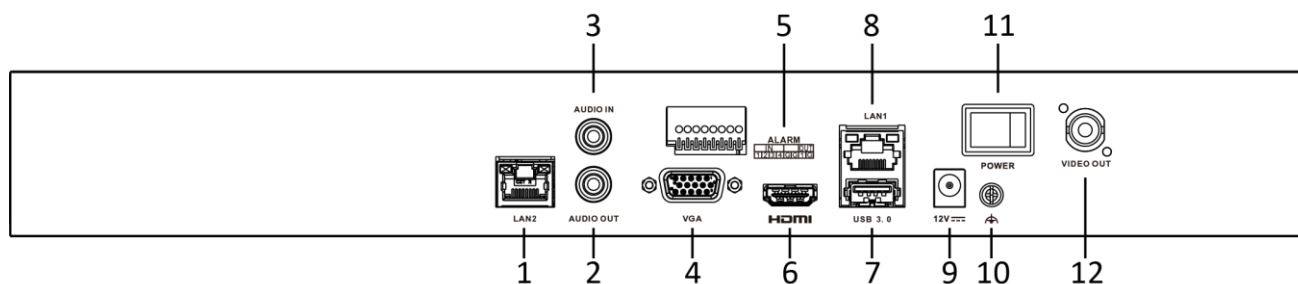
Network	
Remote connections	128
Network protocol	TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS
Network interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
Auxiliary interface	
Serial port	N/A
SATA	2 SATA interfaces
Capacity	Up to 10 TB capacity for each disk
Alarm in/out	4/1
USB interface	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0
General	
Power supply	12 VDC, 3.3 A
Consumption (without HDD)	≤ 30 W
Working temperature	-10 °C to 55 °C (14 °F to 131 °F)
Working humidity	10% to 90%
Dimension (W × D × H)	385 × 315 × 52 mm (15.2"× 12.4" × 2.0")
Weight (without HDD)	≤ 1 kg (2.2 lb)
Certification	
Obtained Certification	CE, FCC, UL, CB, WEEE, BIS, IC, RCM, KC, LOA
CE	EN50130-4, EN 61000-3-2,EN 61000-3-3, EN55032:2015
FCC	Part 15 Subpart B, ANSI C63.4-2014

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



Physical Interface



No.	Description	No.	Description
1	LAN2 Network Interface	7	USB 3.0 Interface
2	AUDIO OUT	8	LAN1 Network Interface
3	AUDIO IN	9	Power Supply
4	VGA Interface	10	GND
5	Alarm In/Alarm Out	11	Power Switch
6	HDMI Interface	12	VIDEO OUT

Available Model

iDS-7608NXI-I2/X, iDS-7616NXI-I2/X

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