iDS-7600NXI-I2/8P/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
- Up to 4-ch video structuralization
- Up to 8-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-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

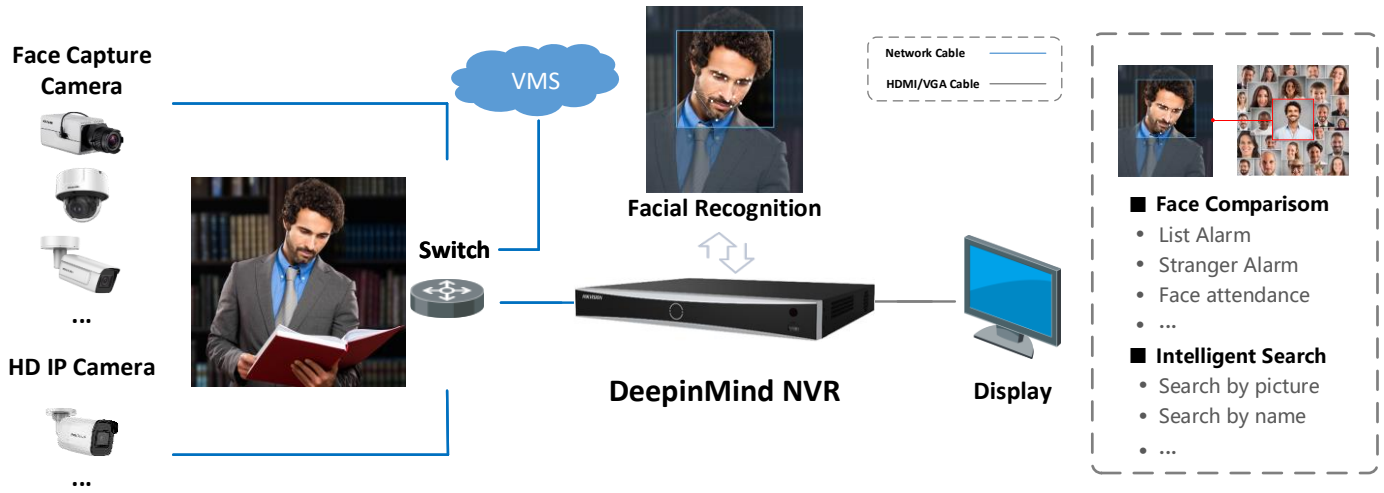
Network & Ethernet Access

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

Typical Application

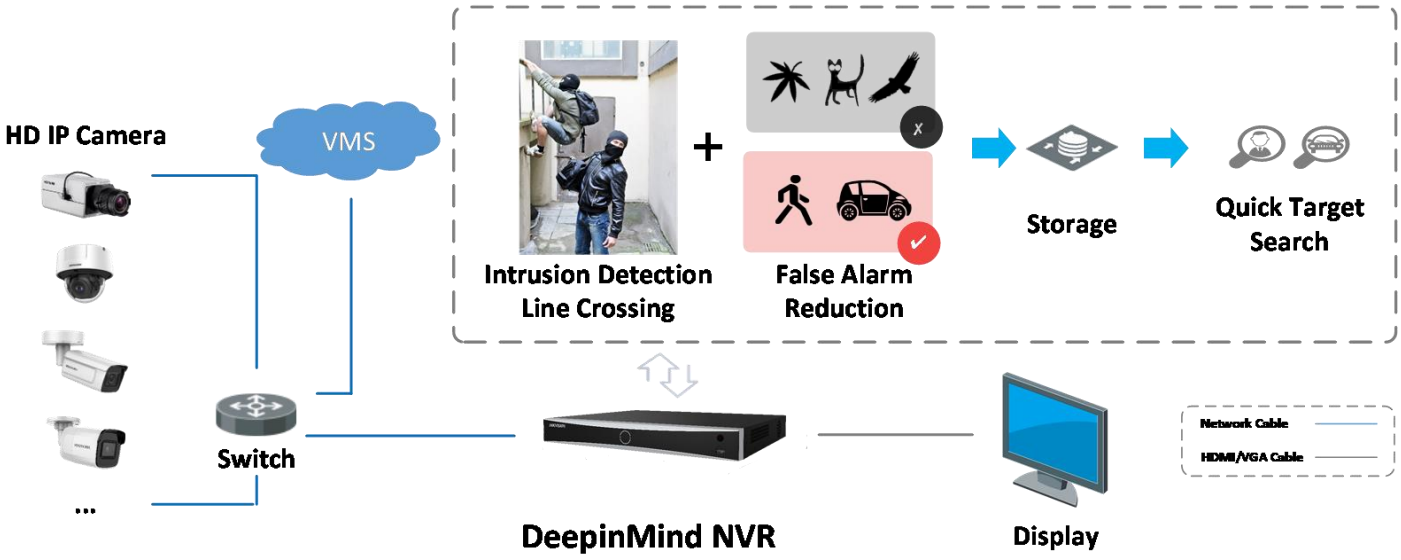
Facial Recognition and Face Picture Comparison

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.



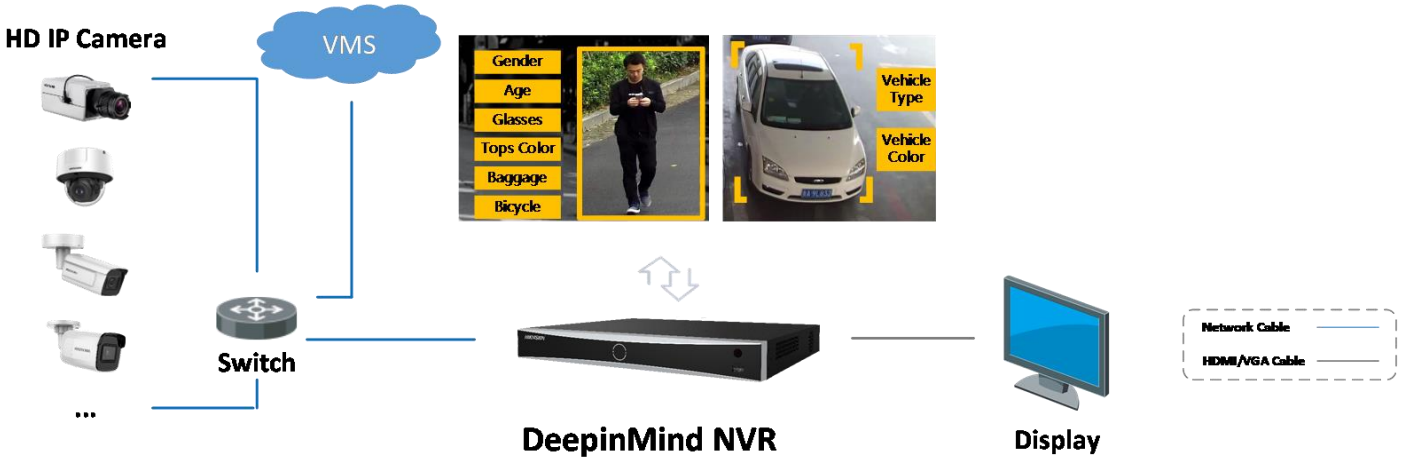
Perimeter Protection

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.



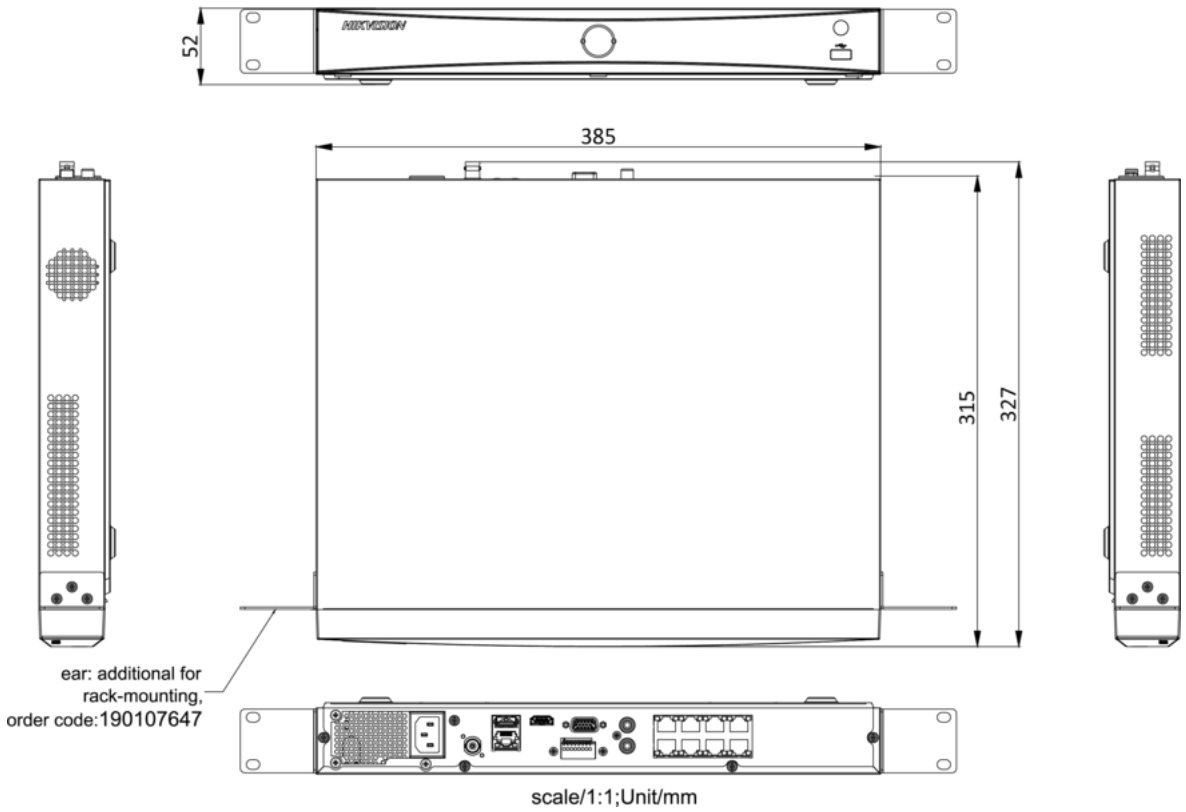
Specification

Model	iDS-7608NXI-I2/8P/X
Facial Recognition[1]	
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	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 Protection[1]	
False alarm reduction	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 Structuralization[1]	
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
	Up to 12 MP resolution
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, 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	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF
Synchronous playback	8-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 connection	128
Network protocol	TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS

Network interface	1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
PoE	
Interface	8, RJ-45 10/100 Mbps self-adaptive Ethernet interface
Power	≤ 200 W
Supported standard	IEEE 802.3 af/at
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	100 to 240 VAC, 50 to 60 Hz
Consumption (without HDD and PoE off)	≤ 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

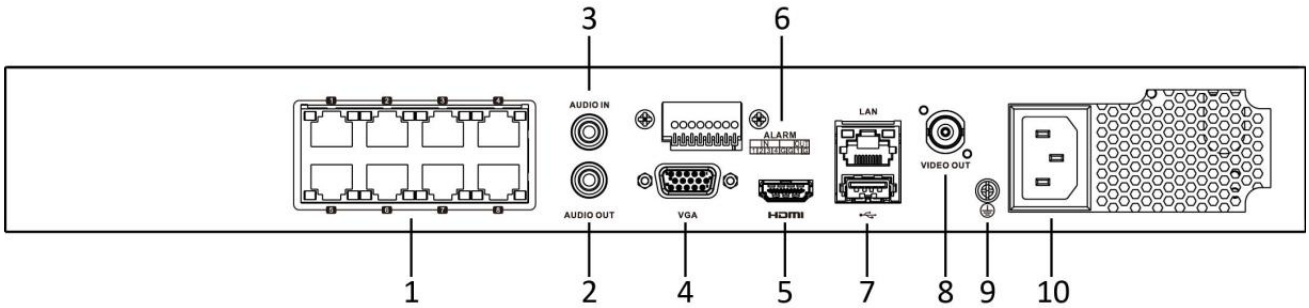
1: Facial recognition, perimeter protection, and video structuralization cannot be enabled at the same time. Enable one function will make the other two unavailable.

Dimension



Unit: mm

Physical Interface



No.	Description	No.	Description
1	Network Interfaces with PoE Function	6	Alarm IN/OUT
2	AUDIO OUT	7	USB 3.0 Interface and Network Interface
3	AUDIO IN	8	VIDEO OUT
4	VGA Output (DB9 connector)	9	GND
5	HDMI Interface	10	100 to 240 VAC Power Supply

Available Model

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