

iDS-9600NXI-I16/X (C) 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 8-ch video structuralization
- Up to 8-ch throwing objects from building
- Up to 16/32/64-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 16 SATA interfaces for HDD connection
- Up to 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



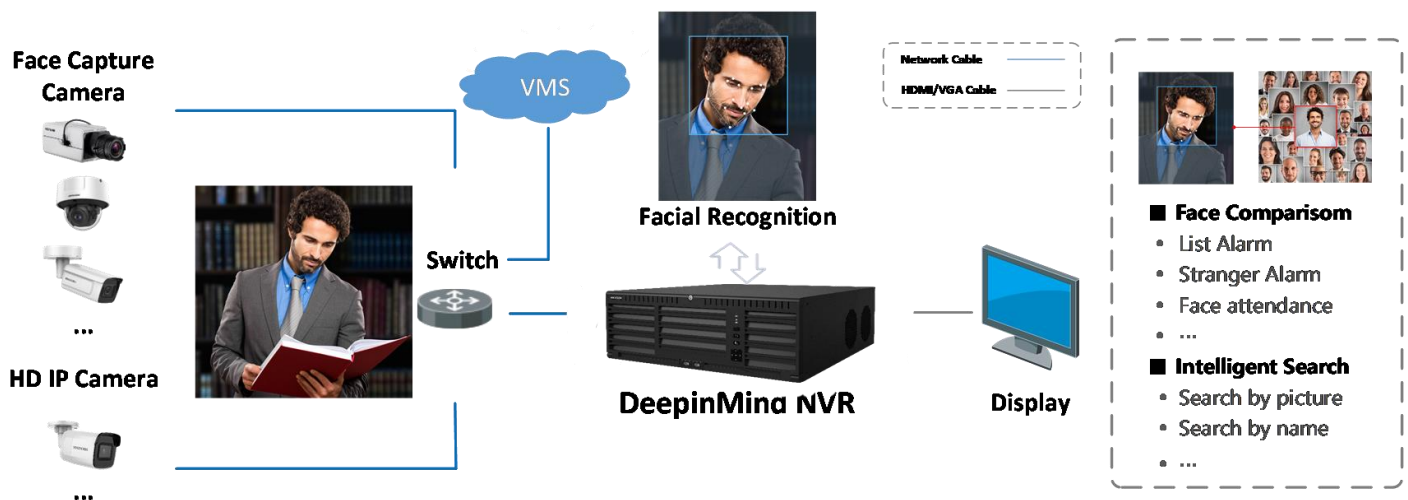
Network & Ethernet Access

- 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

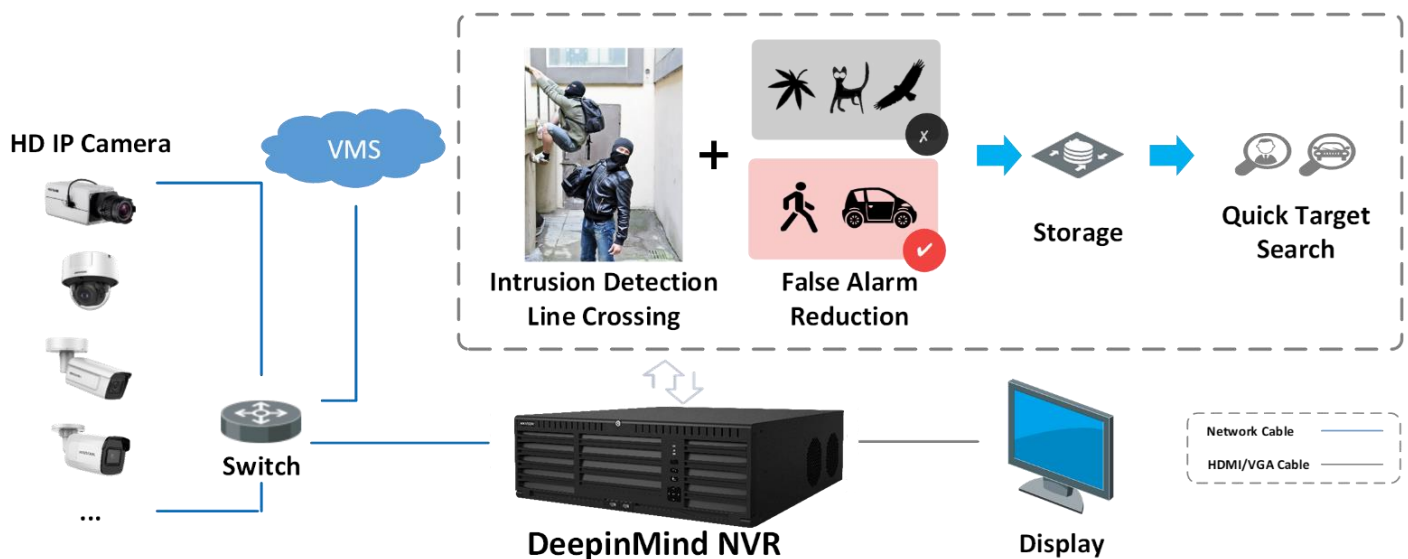
Facial Recognition and Face Picture Comparison

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.



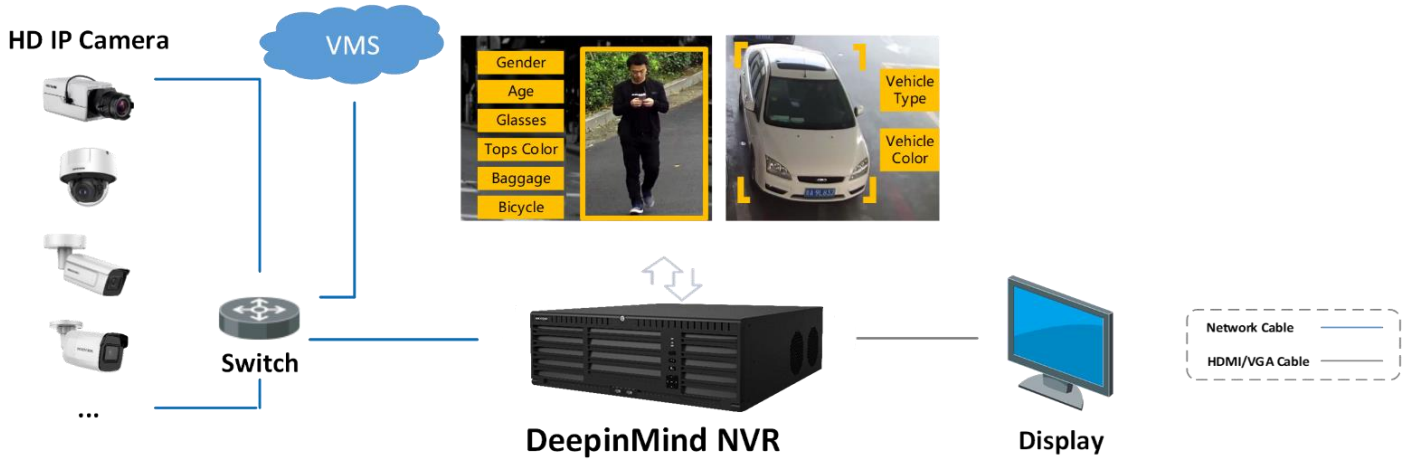
Perimeter Protection

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-9616NXI-I16/X	iDS-9632NXI-I16/X	iDS-9664NXI-I16/X
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 (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 8 MP human face capture (HD network camera, H.264/H.265)		
Perimeter Protection¹			
Human/vehicle analysis	Up to 16-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 8-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		
Throwing Objects from Building¹			
Capability	Up to 8-ch 2 MP (H.264/H.265) video analysis		
Video and Audio			
IP video input	16-ch	32-ch	64-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/outgoing bandwidth	320 Mbps/256 Mbps		
Incoming/outgoing bandwidth (RAID mode)	200 Mbps/200 Mbps		
HDMI1 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		
HDMI2 output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz		
VGA1 output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz		
VGA2 output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz		
Video output mode	HDMI1/VGA1 simultaneous output, HDMI2/VGA2 simultaneous output		
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	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	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
RAID	
RAID Type	RAID0, RAID1, RAID5, RAID6, RAID10
Auxiliary interface	
Serial port	RS-232; RS-485; Keyboard
SATA	16 SATA interfaces
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: 1 × USB 3.0
General	
Power supply	100 to 240 VAC, 50 to 60 Hz
Consumption (without HDD)	≤ 70 W
Working temperature	-10 to +55° C (+14 to +131° F)
Working humidity	10% to 90%
Dimension (W × D × H)	445 × 496 × 150 mm (17.5"× 19.5" × 5.9")
Weight (without HDD)	≤ 13 kg (28.7 lb)
Certification	
Obtained Certification	CE, FCC, UL, CB, WEEE, BIS, IC, RCM, KC, LOA
CE	EN 55032:2015, EN 61000-3-2, EN 61000-3-3, EN 50130-4
FCC	Part 15 Subpart B, ANSI C63.4-2014

1: The device has four engine modes: facial recognition, perimeter protection, video structuralization, and throwing objects from building, among which no more two modes can be enabled at the same time. When two modes are enabled, capacity is as follows.

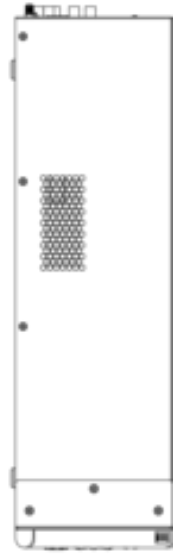
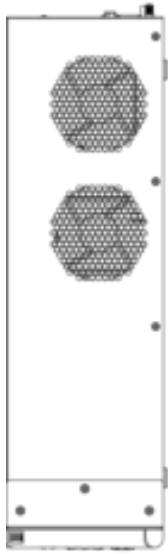
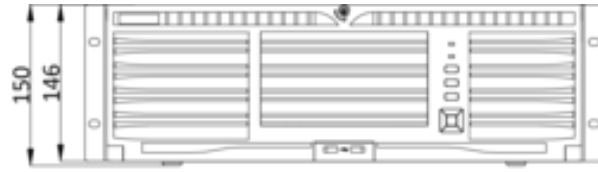
Perimeter protection: 8-ch

Video structuralization: 2-ch live video structuralization analysis and 4-ch face picture comparison alarm

Facial recognition: 4-ch face capture and 8-ch face picture comparison alarm

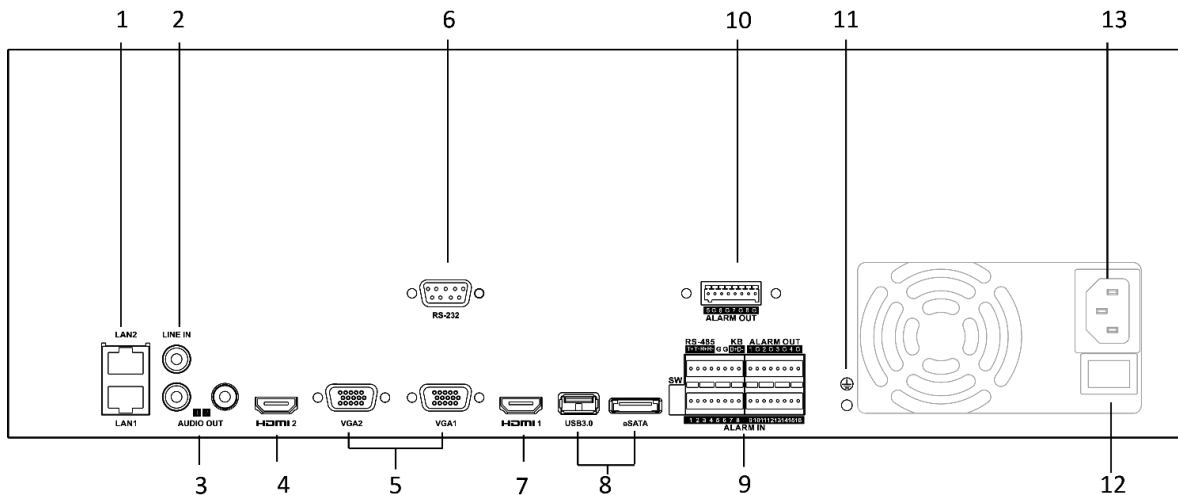
Throwing objects from building: 4-ch

Dimension



scale/1:1;Unit/mm

Physical Interface



No.	Description	No.	Description
1	LAN1/LAN2 Interface	8	USB 3.0 Interface and eSATA Interface
2	LINE IN	9	ALARM IN
3	AUDIO OUT	10	ALARM OUT
4	HDMI2 Interface	11	GND
5	VGA1/VGA2 Interface	12	Power Switch
6	RS-232 Interface	13	100 to 240 VAC Power Supply
7	HDMI1 Interface		

Distributed by

Available Model

iDS-9616NXI-I16/X (C), iDS-9632NXI-I16/X (C), iDS-9664NXI-I16/X (C)



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