HIKVISION

iDS-7700NXI-I4/X(B)(T)
DeepinMind Series NVR

Key Feature

- Elevated skin-surface temperature measurement by thermography camera
- Wearing mask detection with audio alert
- 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 4 SATA interfaces for HDD connection
- 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
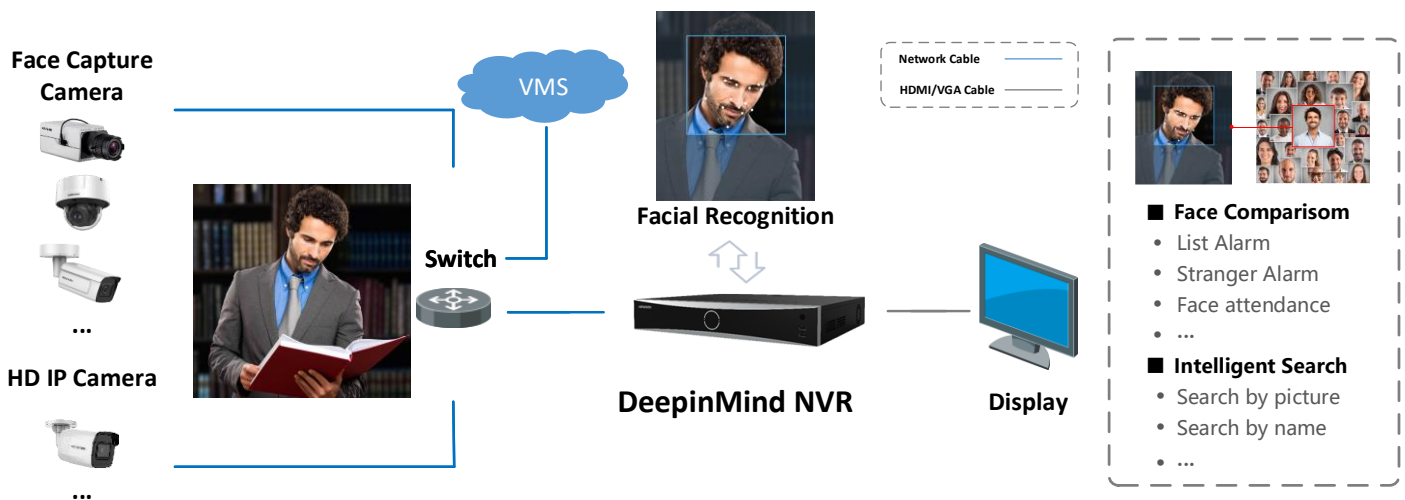- POS triggered recording and alarm

Network & Ethernet Access

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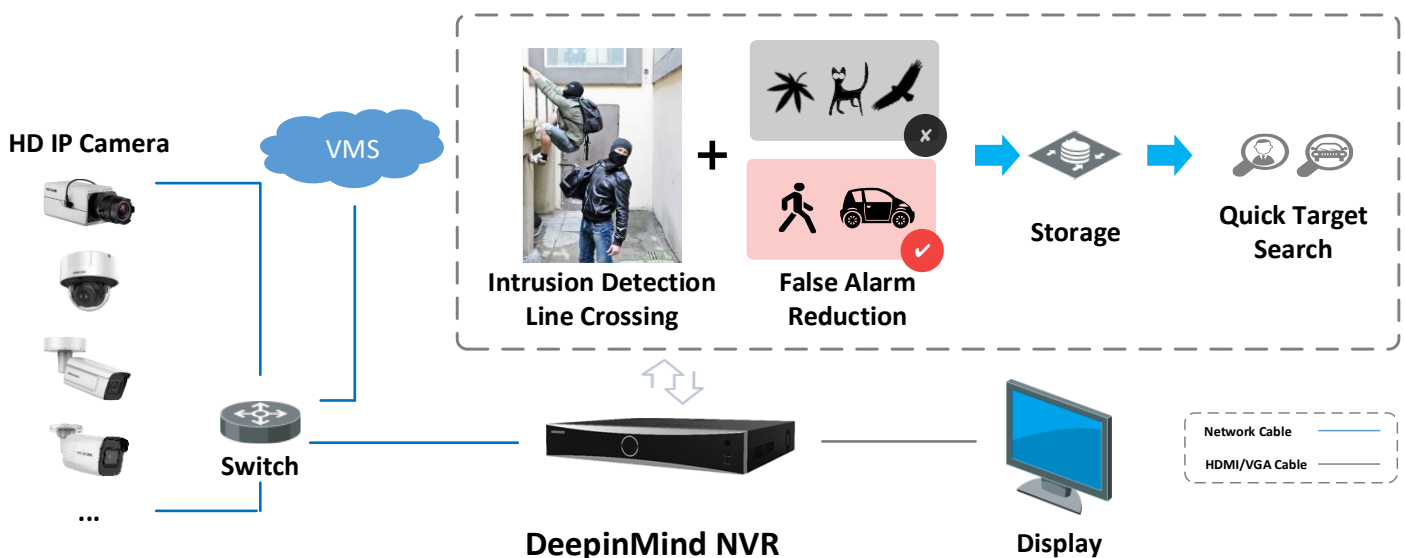
Typical Application

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.

Face Capture Camera

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HD IP Camera

...

VMS

Switch

Facial Recognition

DeepinMind NVR

Display

Network Cable
HDMI/VGA Cable

■ **Face Comparisom**
- List Alarm
- Stranger Alarm
- Face attendance
- ...

■ **Intelligent Search**
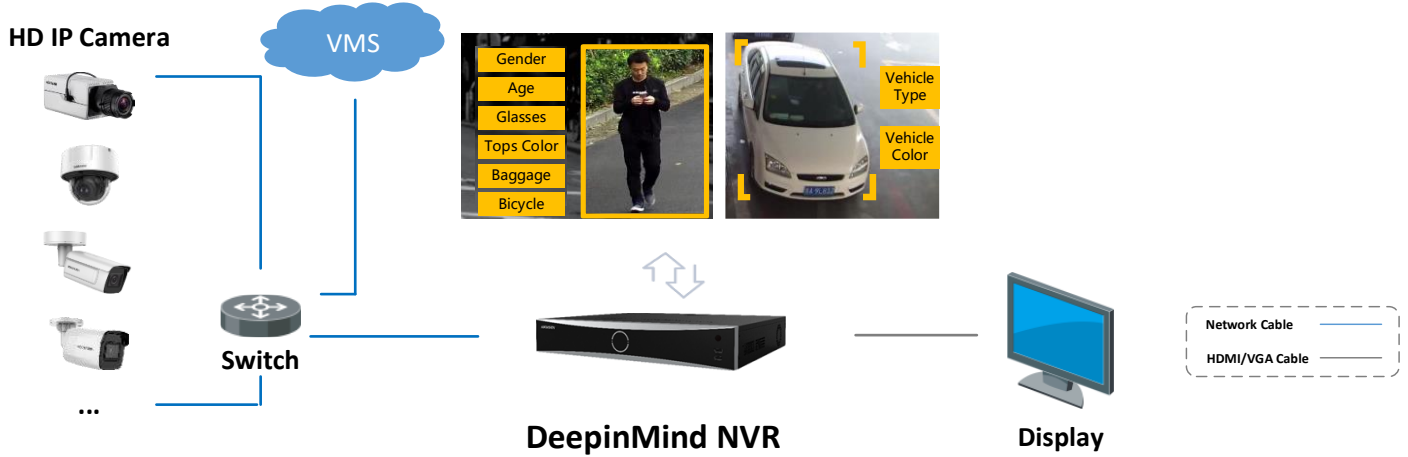- Search by picture
- Search by name
- ...

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.

HD IP Camera

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VMS

Switch

Intrusion Detection Line Crossing

False Alarm Reduction

Storage

Quick Target Search

DeepinMind NVR

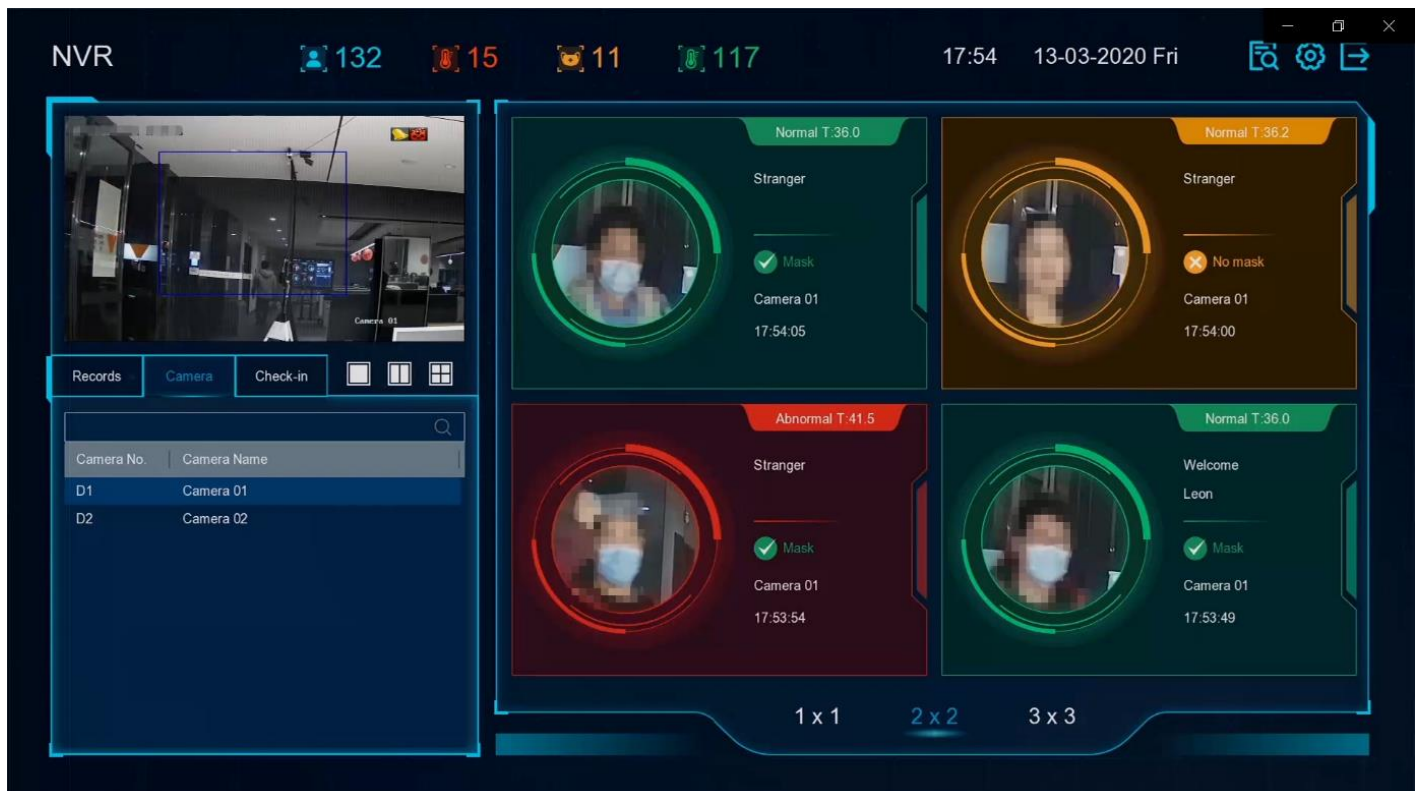**Display**

Network Cable
HDMI/VGA Cable

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.

Temperature Screening

Non-contact thermographic skin-surface temperature screening, wearing mask detection, identity verification, stranger alarm, voice alert, and efficient search and report.
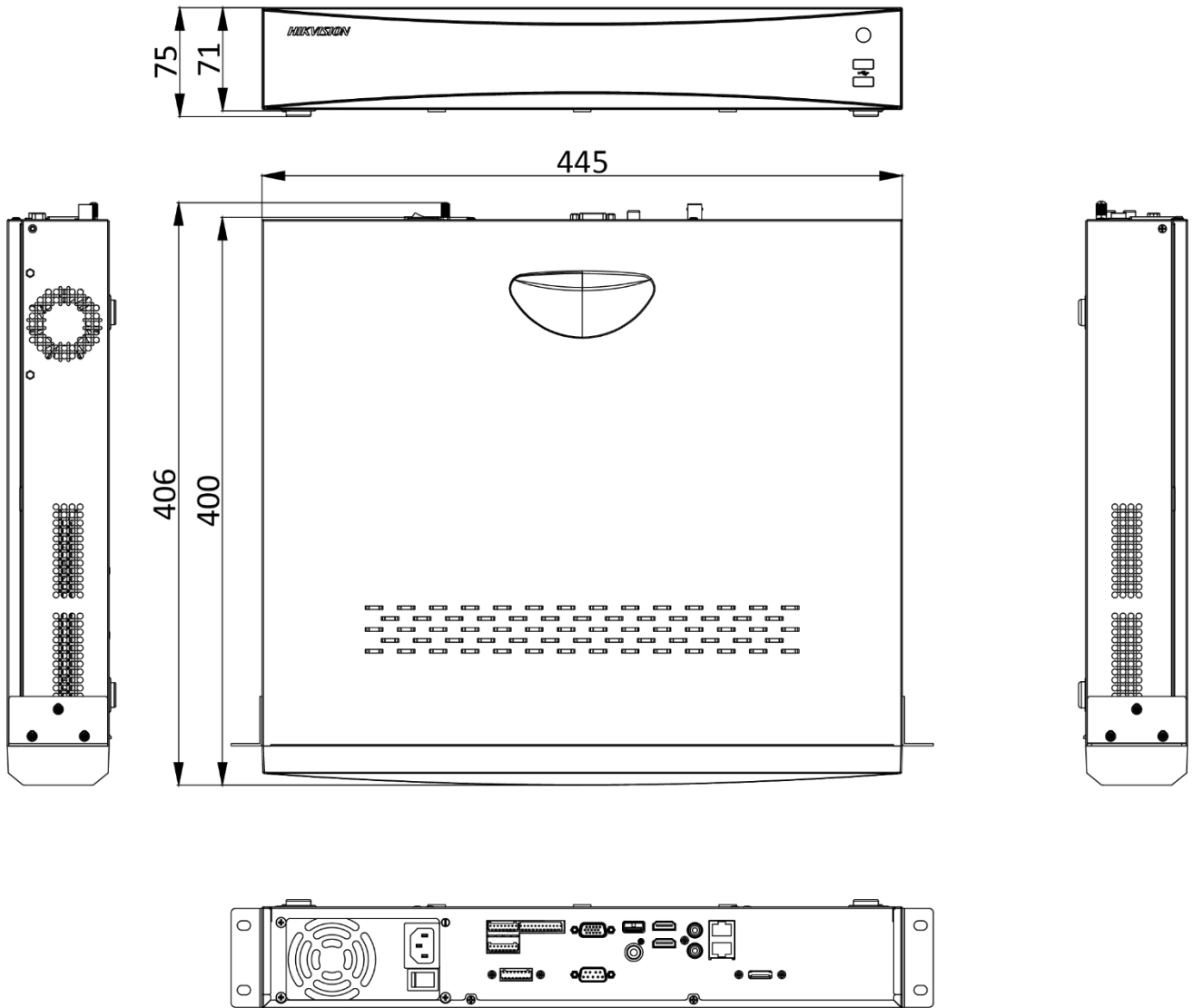
Specification

Model	iDS-7716NXI-I4/X(B)	iDS-7732NXI-I4/X(B)
Facial Recognition[1]		
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 Protection[1]		
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 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 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
	Up to 12 MP resolution	
Incoming bandwidth	320 Mbps	
Outgoing bandwidth	256 Mbps	
HDMI1 output	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, HDMI1/VGA Simultaneous Output	
HDMI2 output	1920 × 1080/60Hz, 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, HDMI1/VGA Simultaneous 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	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
Auxiliary interface	
Serial port	RS-485 (half-duplex), RS-232, Keyboard
SATA	4 SATA interfaces supporting hot-plug
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
Total power	≤ 80 W
Consumption (without HDD)	≤ 30 W
Working temperature	-10 °C to 55 °C (14 °F to 131 °F)
Working humidity	10% to 90%
Chassis	19-inch rack-mounted 1.5U chassis
Dimension (W × D × H)	445 × 400 ×75 mm (17.5"× 15.7" × 3.0")
Weight (without HDD)	≤ 5 kg (11 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.
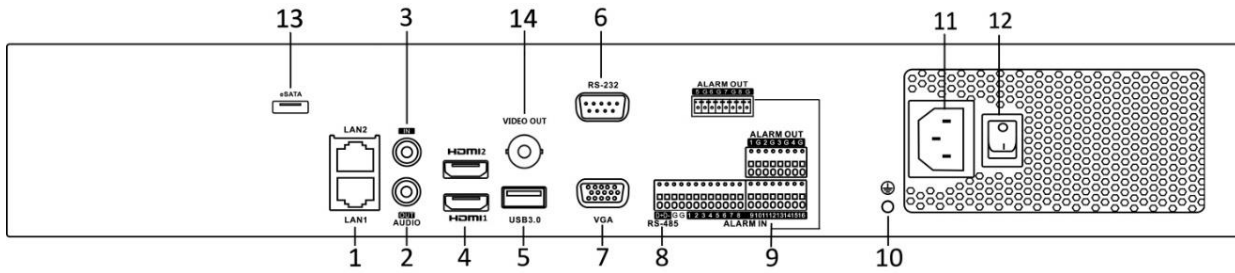
Dimension

scale/1:1;Unit/mm

Unit: mm

Physical Interface

No.	Description	No.	Description
1	LAN1 and LAN2 Interfaces	8	RS-485 Serial Interface
2	AUDIO OUT	9	Controller Port, Alarm In/Alarm Out
3	AUDIO IN	10	GND
4	HDMI1 and HDMI2 Interfaces	11	100 to 240 VAC power supply
5	USB 3.0 Interface	12	Power Switch
6	RS-232 Serial Interface	13	eSATA Interface
7	VGA Output (DB9 Connector)	14	VIDEO OUT

Available Model

iDS-7716NXI-I4/X(B), iDS-7732NXI-I4/X(B)

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