DS-7700NXI-K4/16P/S
AcuSense Series NVR

Key Feature

- H.265+/H.265/H.264+/H.264 video formats
- Intelligent analytics based on deep learning algorithm
- Up to 4-ch perimeter protection
- Up to 1-ch facial recognition for video stream, or up to 4-ch facial recognition for face picture
- Up to 16/32-ch IP camera inputs
- Up to 8-ch 1080p decoding capability
- Up to 160/256 Mbps incoming bandwidth

Compression and Recording

- H.265+ compression effectively reduces the storage space by up to 75%
- Full channel IP cameras connection
- 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 4 SATA interfaces for HDD connection
- 16-ch synchronous playback

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, and POS triggered recording and alarm

Network & Ethernet Access

- 16 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 blocklist alarm and stranger alarm via face picture library. Search target people by picture and name features.
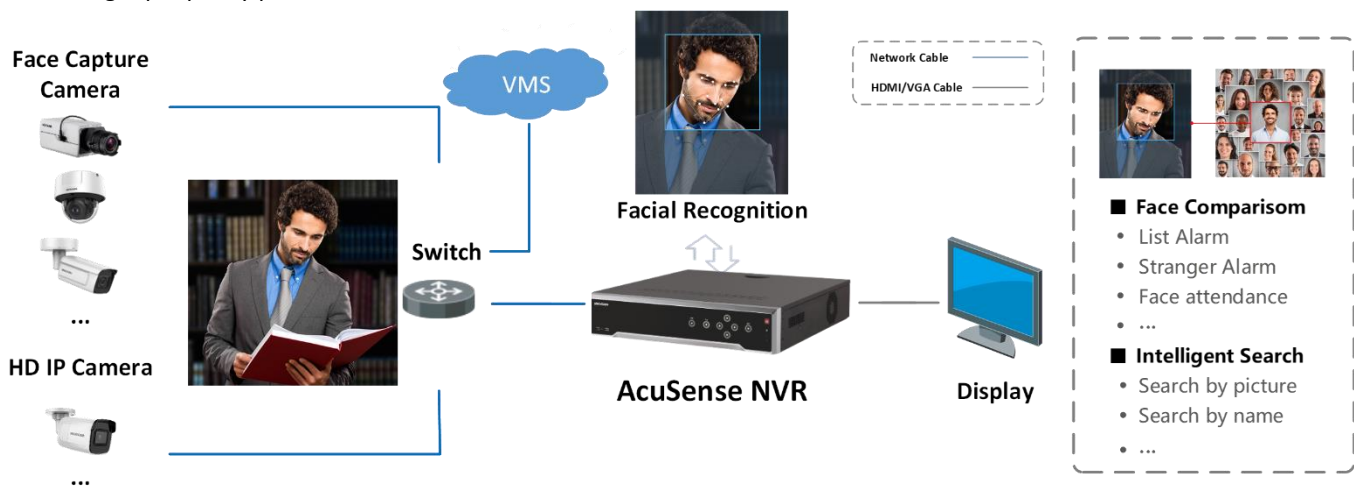
Perimeter Protection

Adopt deep learning algorithm to reduce false alarm, effectively reduces the false alarm caused by tree branches, leaves, shadow, light, vehicles, small animals, etc.
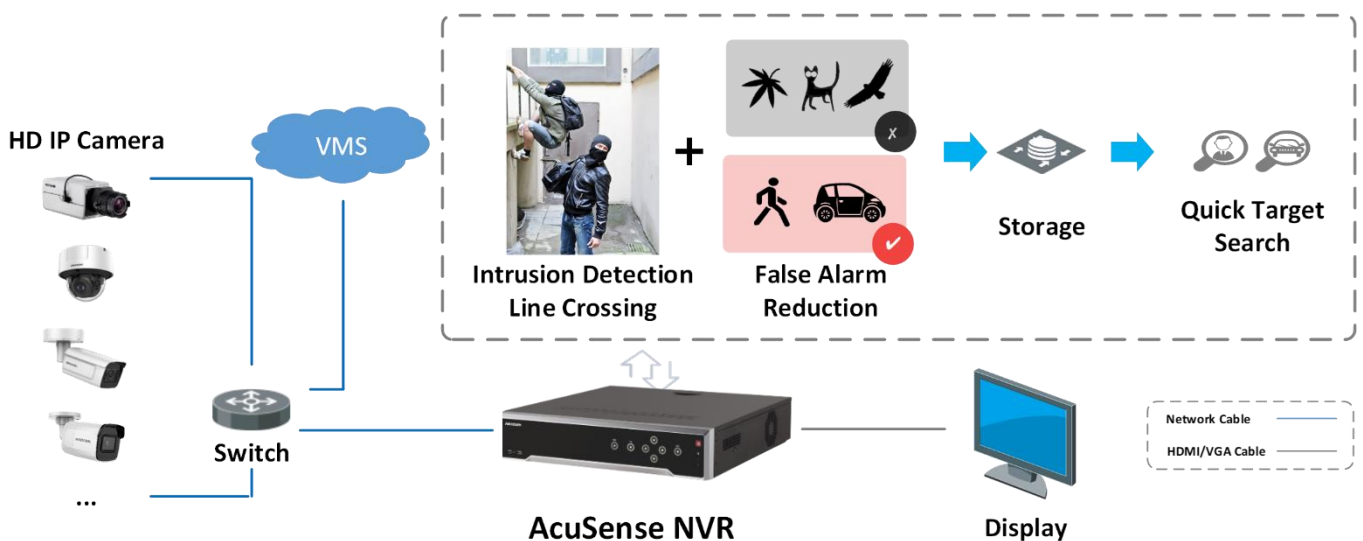
Specification

Model	DS-7716NXI-K4/16P/S	DS-7732NXI-K4/16P/S
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 10,000 face pictures in total (each picture ≤ 512 KB, total capacity ≤ 150 MB)	
Face picture comparison	4-ch face picture comparison alarm	
Performance of facial detection and analytics	1-ch human face capture (HD network camera, up to 4 MP, H.264/H.265)	
Perimeter Protection[1]		
False alarm reduction	Up to 4-ch 2 MP (H.264/H.265) video analysis for human and vehicle recognition to reduce false alarm; Up to 12 rules in total	
Video and Audio		
IP video input	16-ch	32-ch
	Up to 8 MP resolution	
Incoming bandwidth	160 Mbps	256 Mbps
Outgoing bandwidth	256 Mbps	
HDMI output	1-ch, 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	
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	
Recording resolution	8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF	
Playback mode	Normal/Smart, Event, Tag, Eternal File	
Synchronous playback	16-ch	
Capability	2-ch@8 MP(25fps) /4-ch@4MP(30fps) /8-ch@1080p(30fps)	
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	1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	
PoE		
Interface	16, RJ-45 10/100 Mbps self-adaptive Ethernet interface	
Power	≤ 200W	
Supported standard	IEEE 802.3 af/at	
Auxiliary interface		

Serial port	RS-485 (half-duplex), RS-232, Keyboard
SATA	4 SATA interfaces
Capacity	Up to 8 TB capacity for each disk
eSATA	1 eSATA interface
Alarm in/out	16/4
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	≤ 360 W
Consumption (without HDD)	≤ 30 W
Working temperature	-10 °C to 55 °C (14 °F to 131 °F)
Working humidity	10% to 90%
Chassis	1.5U chassis
Dimension (W × D × H)	445 × 400 ×75 mm (17.5"× 15.7" × 3.0")
Weight (without HDD)	≤ 4.7 kg (10 lb.)
Certification	
FCC	Part 15 Subpart B, ANSI C63.4-2014
CE	EN 55032:2015, EN 61000-3-2, EN 61000-3-3, EN 50130-4

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

Dimension

scale/1:1;Unit/mm

Unit: mm

![HIKVISION logo]
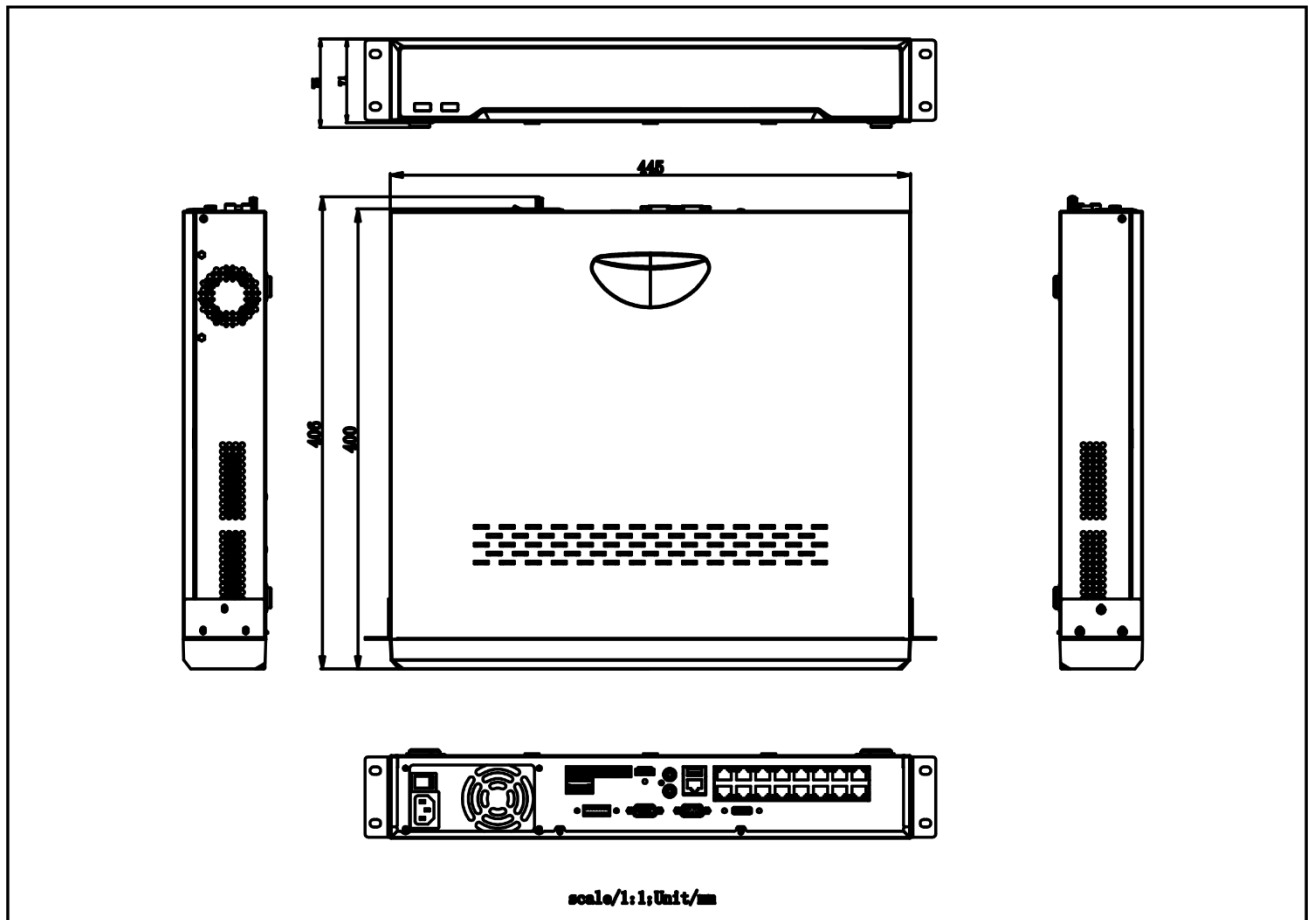
Physical Interface
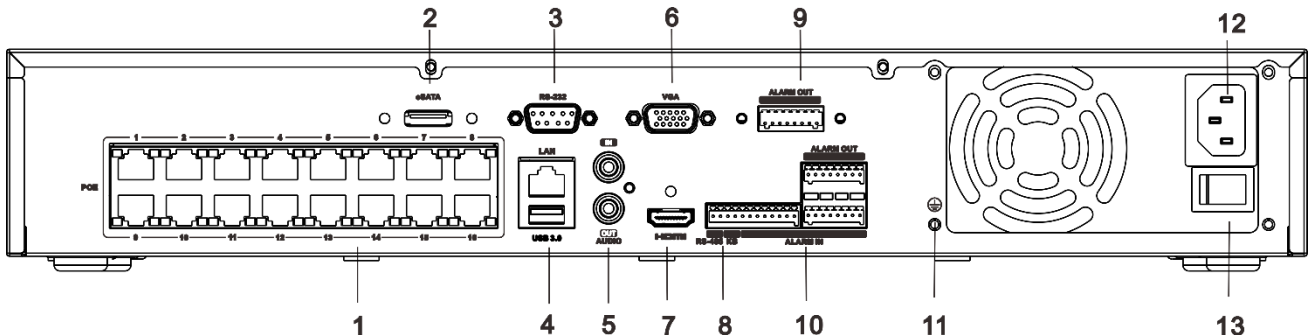
No.	Description	No.	Description
1	PoE Interfaces	8	RS-485 Serial Interface and Keyboard
2	eSATA Interface	9	Alarm Out
3	RS-232 Serial Interface	10	Controller Port, Alarm In/Out
4	USB 3.0 Interface and Network Interface	11	GND
5	AUDIO IN/OUT	12	Power Supply
6	VGA Interface	13	Power Switch
7	HDMI Interface		

Available Model

DS-7716NXI-K4/16P/S, DS-7732NXI-K4/16P/S

04408052010127