DS-9600NXI-I8/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 16/32/64-ch IP camera inputs
- Up to 16-ch 1080p decoding capability
- Up to 320 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 8 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

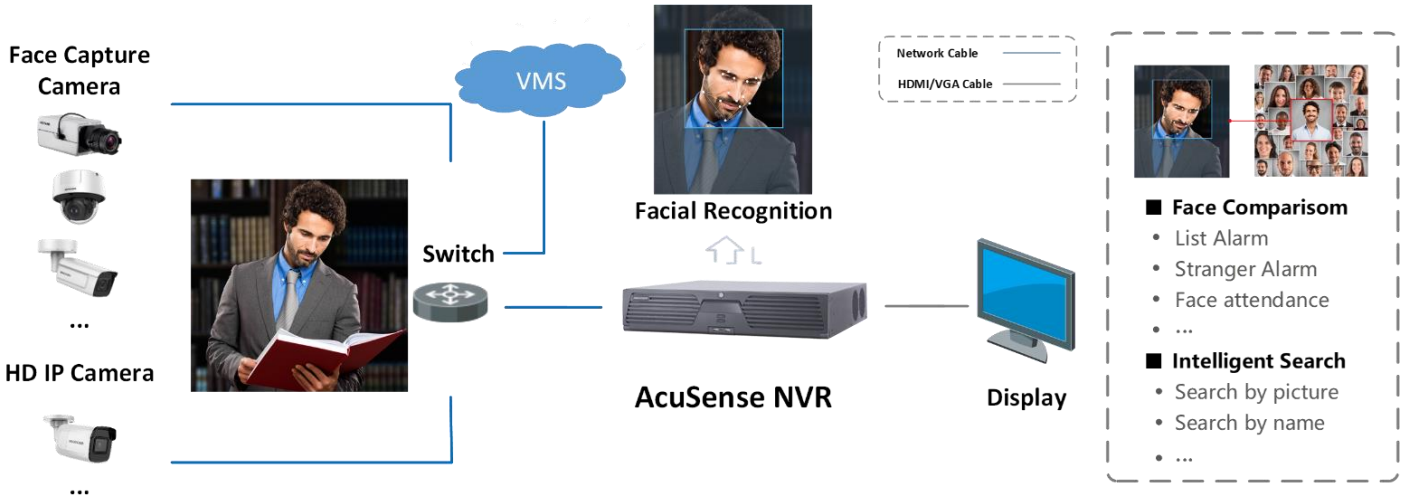
Network & Ethernet Access

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

Typical Application

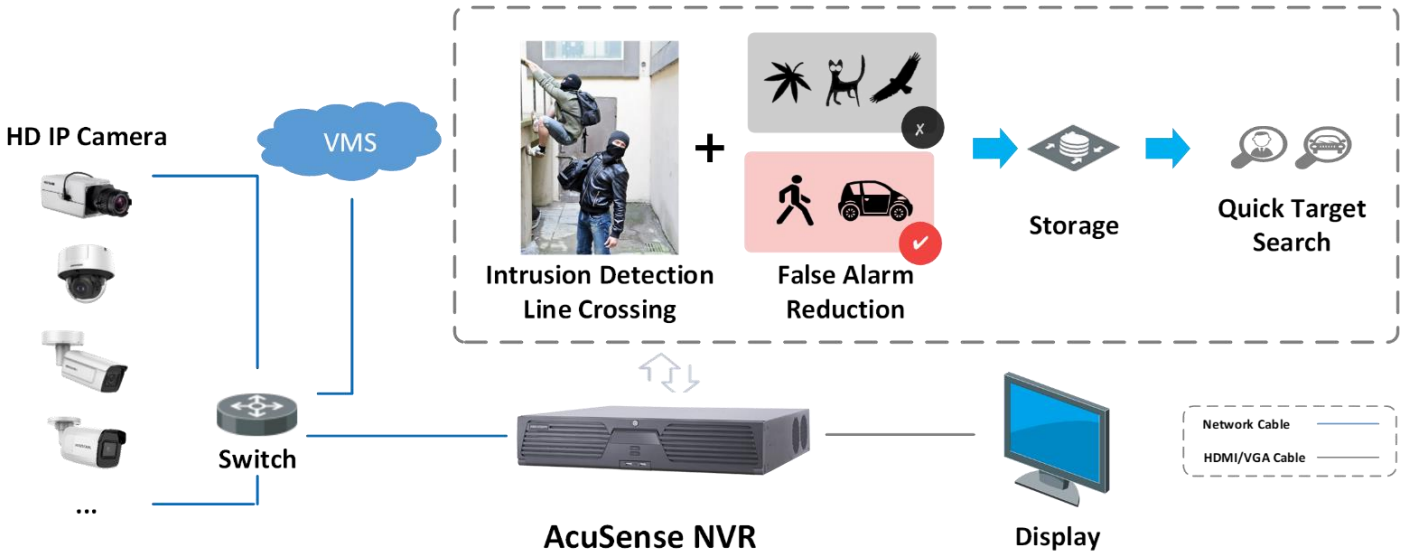
Facial Recognition and Face Picture Comparison

Modeling and analyzing face pictures captured by cameras. Realize blacklist 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.



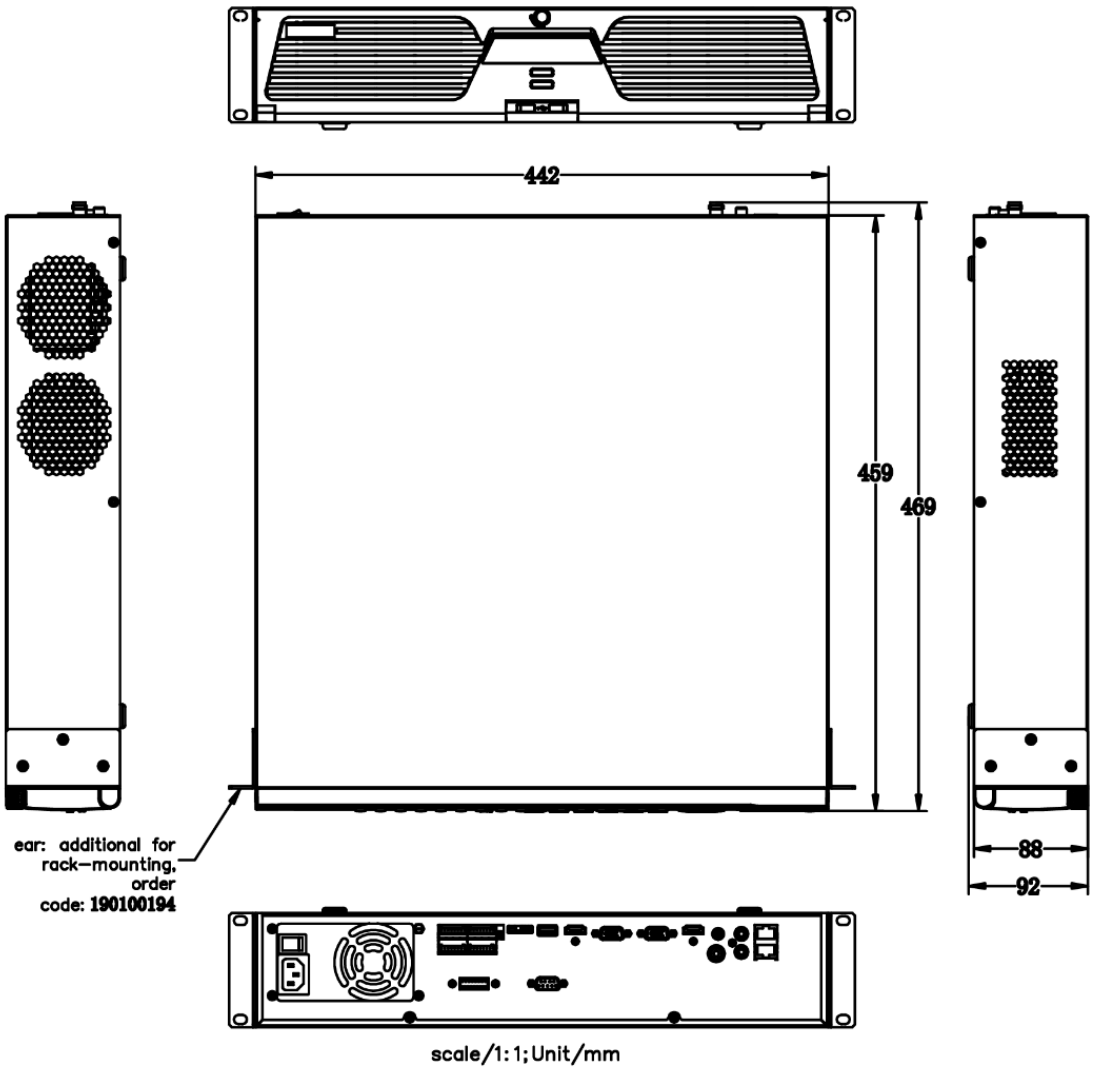
Specification

Model	DS-9616NXI-I8/S	DS-9632NXI-I8/S	DS-9664NXI-I8/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 ≤ 15 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 8 MP, H.264/H.265)		
Motion Detection 2.0[1]			
Human/vehicle analysis	16-ch	32-ch	64-ch
Perimeter Protection[1]			
Human/Vehicle Analysis	Up to 4-ch 2 MP (H.264/H.265) video analysis for human and vehicle recognition; Up to 12 rules in total		
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 bandwidth	320 Mbps		
Outgoing bandwidth	256 Mbps		
Incoming bandwidth (RAID mode)	200 Mbps		
Outgoing bandwidth (RAID mode)	200 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		
HDMI2 output	1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz		
VGA output	2-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz		
Video output mode	HDMI1/VGA simultaneous output, HDMI2/VGA independent output		
Audio output	2-ch, RCA (Linear, 1 KΩ)		
Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)		
Decoding			
Video 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	16-ch@1080p (30 fps)		
Dual stream recording	Support		
Stream type	Video, Video & Audio		

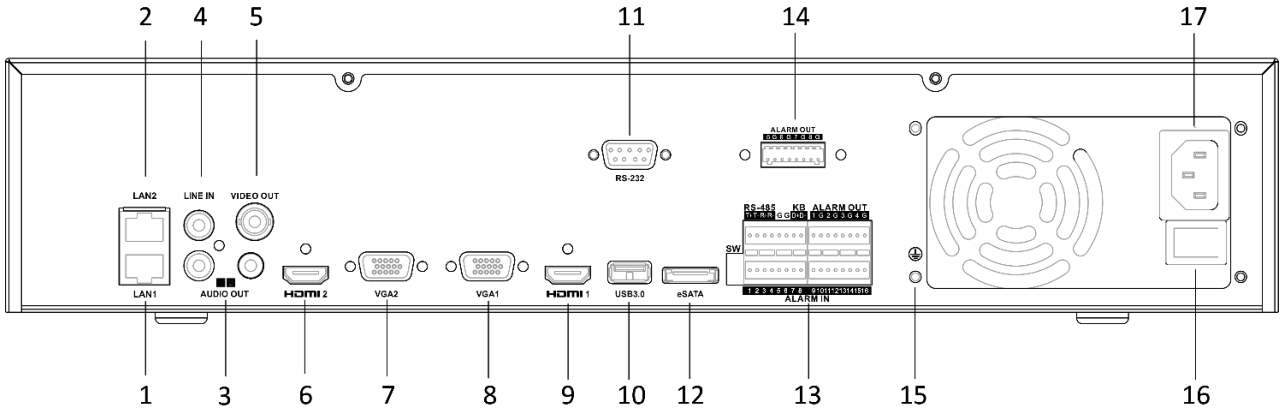
Audio compression	G.711ulaw/G.711alaw/G.722/G.726/MP2L2/AAC
Network	
Remote connections	128
Network protocol	TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS
Network interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
RAID	
RAID Type	RAID0, RAID1, RAID5, RAID6, RAID10
Auxiliary interface	
Serial port	RS-485 (full-duplex), RS-232, Keyboard
SATA	8 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)	≤ 30 W
Working temperature	-10 °C to 55 °C (14 °F to 131 °F)
Working humidity	10% to 90%
Chassis	2U chassis
Dimension (W × D × H)	442 × 459 × 92 mm (17.4"× 18" × 3.6")
Weight (without HDD)	≤ 8.7 kg (19.2 lb.)
Certification	
Obtained Certification	CE, FCC, IC
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: Facial recognition, motion detection 2.0 and perimeter protection cannot be enabled at the same time. Enable one function will make the others unavailable.

Dimension


442
459
469
88
92
ear: additional for rack-mounting, order code: 190100194
scale/1:1;Unit/mm

Physical Interface



No.	Description	No.	Description
1	LAN1 interface	10	USB 3.0 interface
2	LAN2 interface	11	RS-232 serial interface
3	AUDIO OUT	12	eSATA interface
4	LINE IN	13	ALARM IN/OUT, RS-485 serial interface, Keyboard
5	VIDEO OUT	14	ALARM OUT
6	HDMI2	15	GND
7	VGA2	16	Power switch
8	VGA1	17	100 to 240 VAC power supply
9	HDMI1		

Distributed by

Available Model

DS-9616NXI-I8/S, DS-9632NXI-I8/S, DS-9664NXI-I8/S

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