HIKVISION

DS-9664NXI-I8/S(UHK) (E)
AcuSense Series NVR

Key Feature

- H.265+/H.265/H.264+/H.264 video formats
- Intelligent analytics based on deep learning algorithm
- Equipped with an industrial-grade processor for robust performance in demanding environments.
- Up to 4-ch perimeter protection
- Up to 4-ch facial recognition for video stream
- Up to 8-ch facial recognition for face picture
- Supports 8-channel SMD for simultaneous human and vehicle detection across multiple video streams
- Up to 64-ch IP camera inputs
- Up to 384 Mbps incoming bandwidth
- Up to 32-ch 1080p decoding capability
- Supports N+M cluster for seamless device redundancy and high system availability.

Compression and Recording

- H.265+ compression effectively reduces the storage space by up to 75%
- Full channel IP cameras connection
- Compatible with 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 8 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
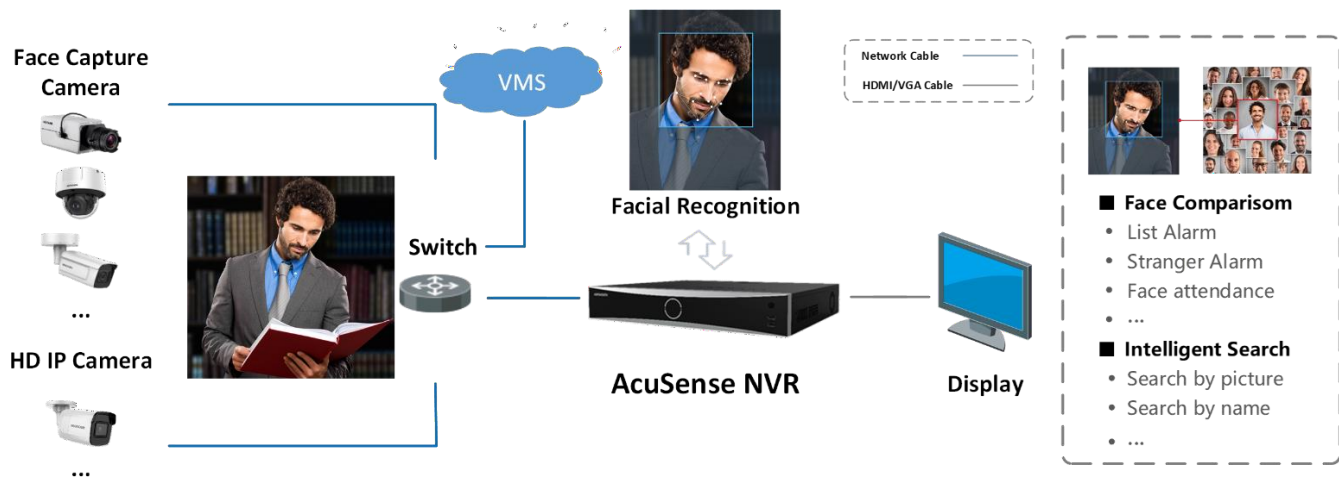- POS triggered recording and alarm

Network & Ethernet Access

● 2 self-adaptive 10/100/1000 Mbps Ethernet interfaces

● Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management

● Supports AcuPick, EPTZ, and IPC auto-registration for streamlined device setup and management.
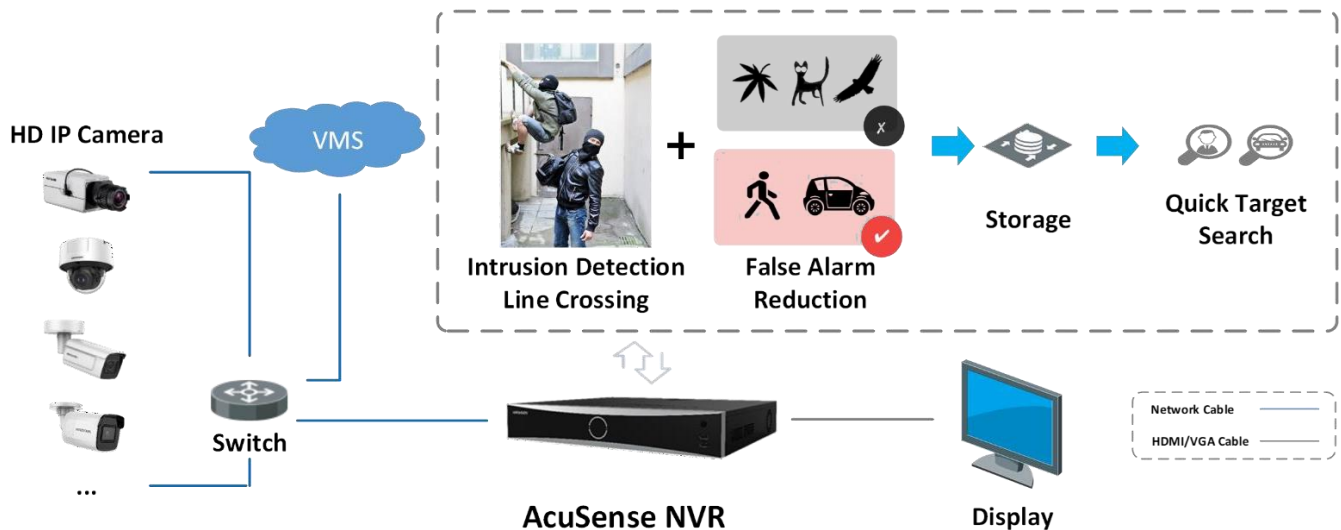
Typical Application

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

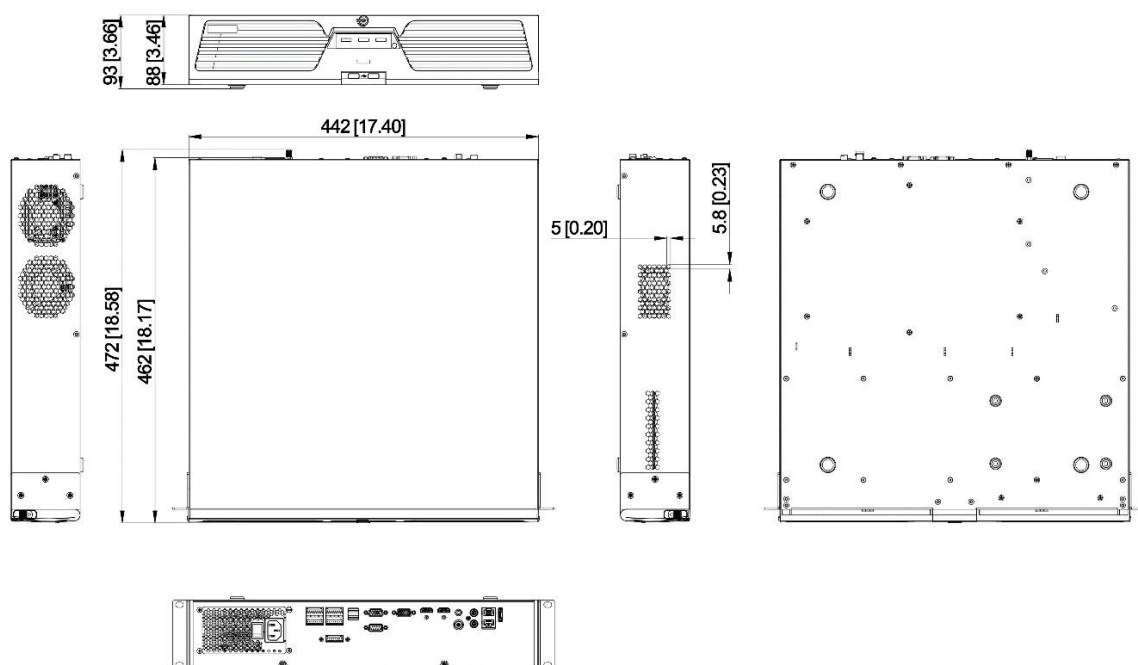| Intelligent Analytics	
AI by NVR	Facial recognition, perimeter protection, motion detection 2.0
AI by Camera	Facial recognition, perimeter protection, video structuralization, throwing objects from building, motion detection 2.0, ANPR, people counting, VCA
Engine	1, engine mode is adjustable
Facial Recognition	
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 50,000 face pictures in total (each picture ≤ 512 KB, total capacity ≤ 1 GB)
Facial Detection and Analytics Performance	4-ch human face capture (HD network camera, up to 8 MP, H.264/H.265)
Face Picture Comparison	8-ch
Motion Detection 2.0	
By NVR	All channels for Hikvision cameras
By Camera	All channels
Perimeter Protection	
By NVR	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
By Camera	All channels
ANPR	
By Camera	All channels
Vehicle Attributes	Plate number, license plate color, license plate type
Plate Attributes	Vehicle brand, vehicle color, vehicle type
Video and Audio	
IP Video Input	64-ch
Incoming Bandwidth	384 Mbps
Outgoing Bandwidth	256 Mbps
HDMI 1 Output	4K (3840 × 2160)/30 Hz, 2K (2560 × 1440)/60 Hz, 1920 × 1080/60 Hz, 1600 × 1200/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz
HDMI 2 Output	4K (3840 × 2160)/30 Hz, 2K (2560 × 1440)/60 Hz, 1920 × 1080/60 Hz, 1600 × 1200/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz
VGA 1 Output	1920 × 1080/60 Hz, 1600 × 1200/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz

VGA 2 Output	1920 × 1080/60 Hz, 1600 × 1200/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz
Video Output Mode	HDMI1/VGA1 simultaneous output, HDMI2/VGA2 simultaneous output, HDMI1/HDMI2 independent output
CVBS Output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480
Audio Output	2-ch, RCA (Linear, 1 KΩ)
Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1 KΩ)
Decoding	
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 *: The NVR supports up to 4-ch 32 MP/24 MP IP video inputs.
Live View Window Division	1/2/4/6/8/9/16/25/32/36/64
Aux Port Window Division	1/2/4/6/8/9/16/25/32/36
Dual-Stream Recording	Support
Audio Compression	G.711ulaw/G.711alaw/G.722/G.726/AAC/MP2L2/PCM
Decoding Format	H.265+/H.265/H.264+/H.264/MJPEG
Decoding Capability	Enable AI by NVR: 20-ch@1080p (30 fps) Disable AI by NVR: 32-ch@1080p (30 fps)
Synchronous Playback	16-ch
Stream Type	Video, Video & Audio
Network	
API	ONVIF (profile S/G); SDK; ISAPI
Compatible Browser	IE11, Chrome V57, Firefox V52, Safari V12, Edge V89, or above version
Network Protocol	TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS
Remote Connection	128
Network Interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
RAID	
RAID Type	RAID0, RAID1, RAID5, RAID6, RAID10 Support global hot spare
Auxiliary Interface	
SATA	8 SATA interfaces
eSATA	1 eSATA interface
Capacity	Up to 20 TB capacity for each disk
Serial Interface	1 RS-485 (full-duplex), 1 RS-232
USB Interface	Front panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0
Alarm In/Out	16/9

Ctrl 12V	Controllable 12 VDC, 1 A power output for external alarm device; The power will be turned on when the alarm output is triggered. *: The Ctrl 12V power is controlled by alarm output 9.
DC 12V	12 VDC, 1 A power output
General	
GUI Language	English, Russian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Turkish, Japanese, Danish, Swedish Language, Norwegian, Finnish, Korean, Traditional Chinese, Thai, Estonian, Vietnamese, Croatian, Slovenian, Serbian, Latvian, Lithuanian, Uzbek, Kazakh, Arabic, Ukrainian, Kyrgyz , Brazilian Portuguese, Indonesian, Hebrew
Power Supply	100 to 240 VAC, 50 to 60 Hz
Consumption	≤ 30 W (without HDD)
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 × 462 × 88 mm (17.4"× 18.2" × 3.5")
Weight	≤ 8.3 kg (18.3lb.)
Certification	
CE	EN 55032:2015, EN 61000-3-2, EN 61000-3-3, EN 50130-4
Obtained Certification	CE, CB, REACH, WEEE, UKCA, LOA

Note:

Facial recognition, motion detection 2.0 and perimeter protection cannot be enabled at the same time. Enable one function will make the others unavailable.
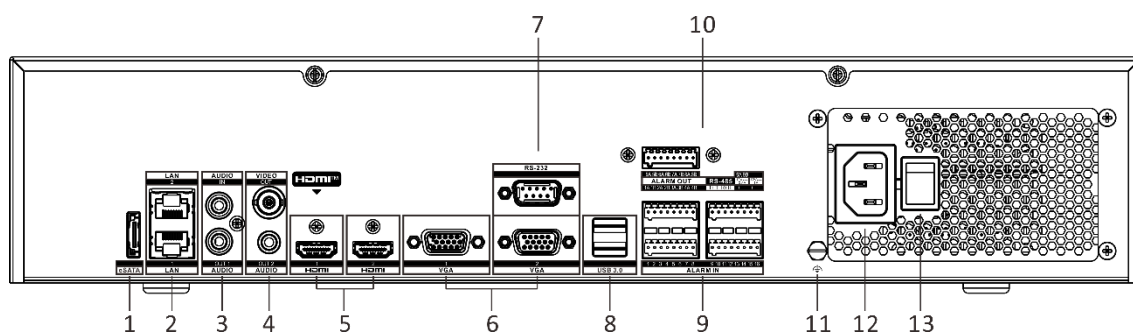
Dimension

93 [3.66]
88 [3.46]
442 [17.40]
472 [18.58]
462 [18.17]
5 [0.20]
5.8 [0.23]

Unit:mm [inch]

| SCALE | 1:1 |

Physical Interface

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

Available Model

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