

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



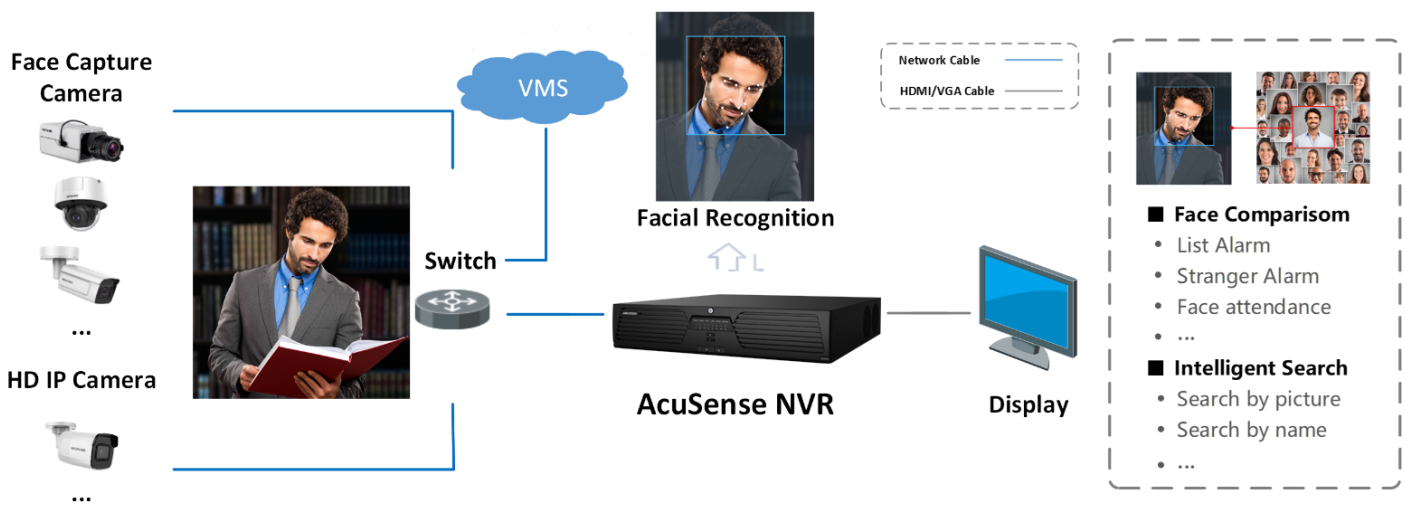
Network & Ethernet Access

- 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

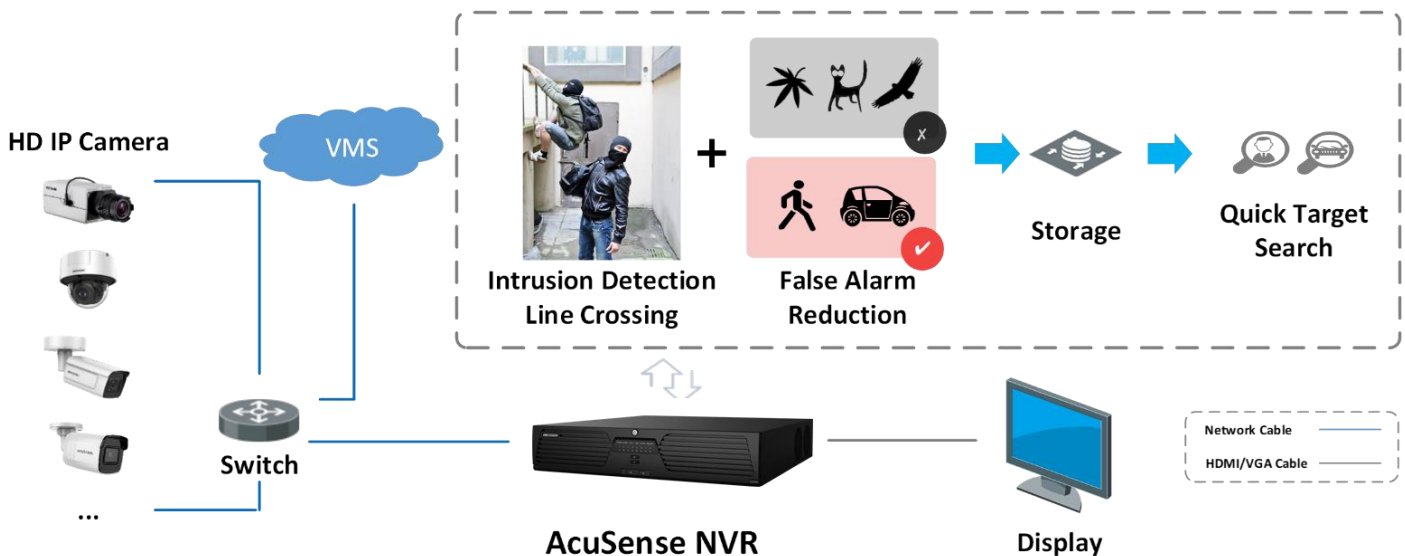
Facial Recognition and Face Picture Comparison

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.



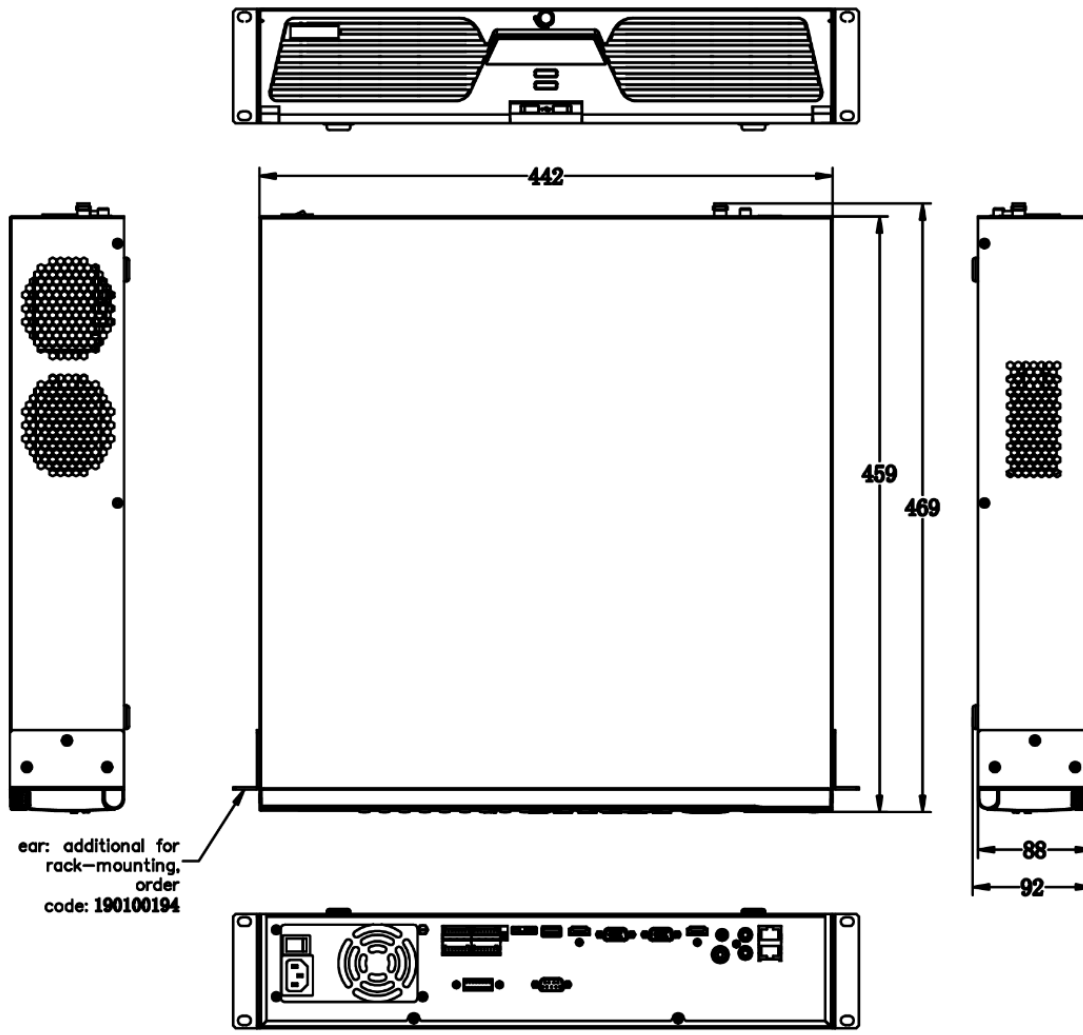
Specification

| 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 ≤ 15KB, 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) | | |
| Perimeter Protection¹ | | | |
| False alarm reduction | Up to 4-ch 2 MP (H.264/H.265) video analysis for human and vehicle recognition; Up to 16-ch false alarm reduction 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 | | |
| 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 | 1-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 | 32-ch | 64-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 |
| 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 and perimeter protection cannot be enabled at the same time. Enable one function will make the other one unavailable.

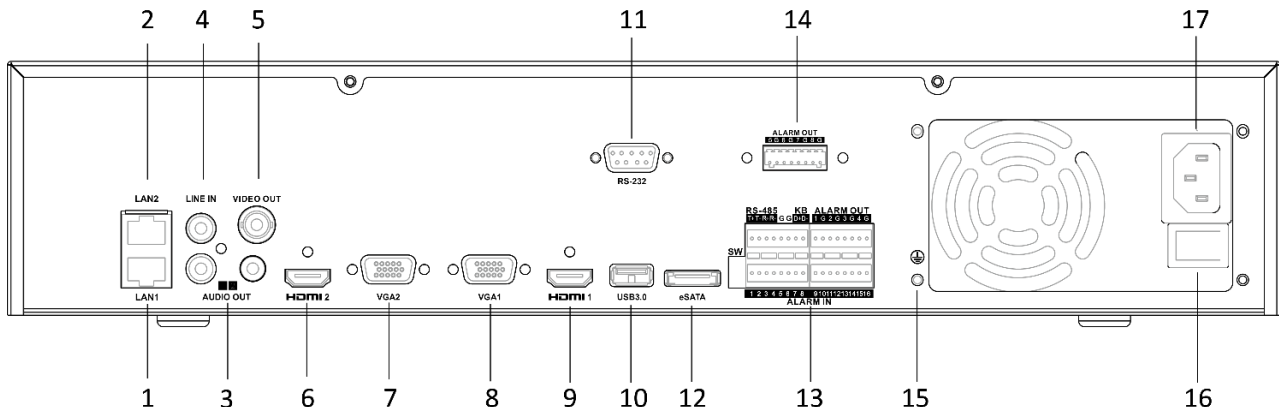
Dimension



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 |
| 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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