

DS-9616NXI-I8/S (E) 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 4-ch facial recognition for video stream
- Up to 8-ch facial recognition for face picture
- Up to 16-ch IP camera inputs
- Up to 160 Mbps incoming bandwidth
- Up to 32-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 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

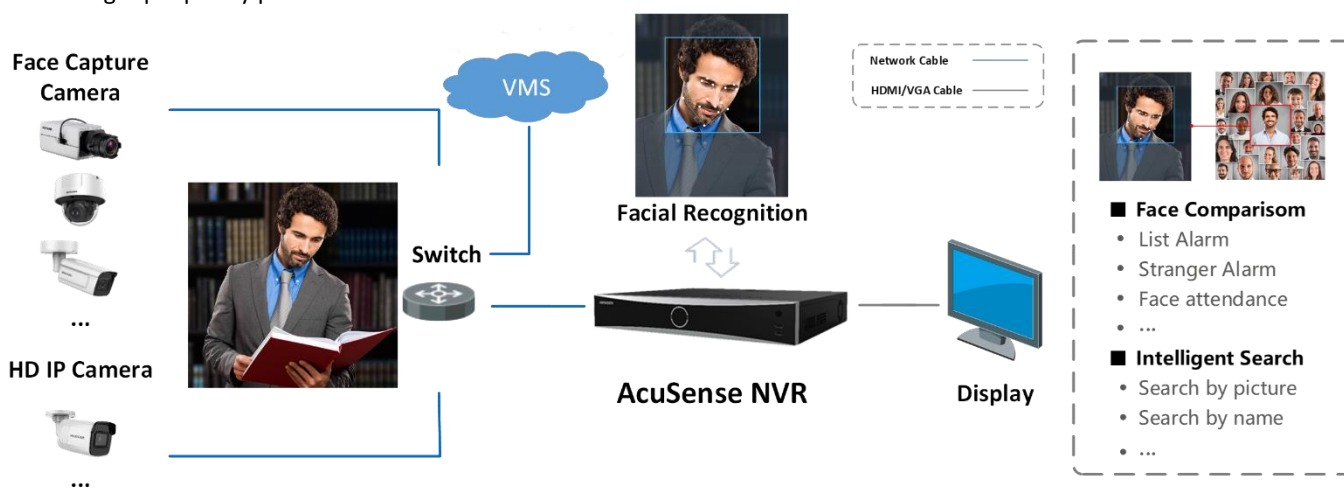
Network & Ethernet Access

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

Typical Application

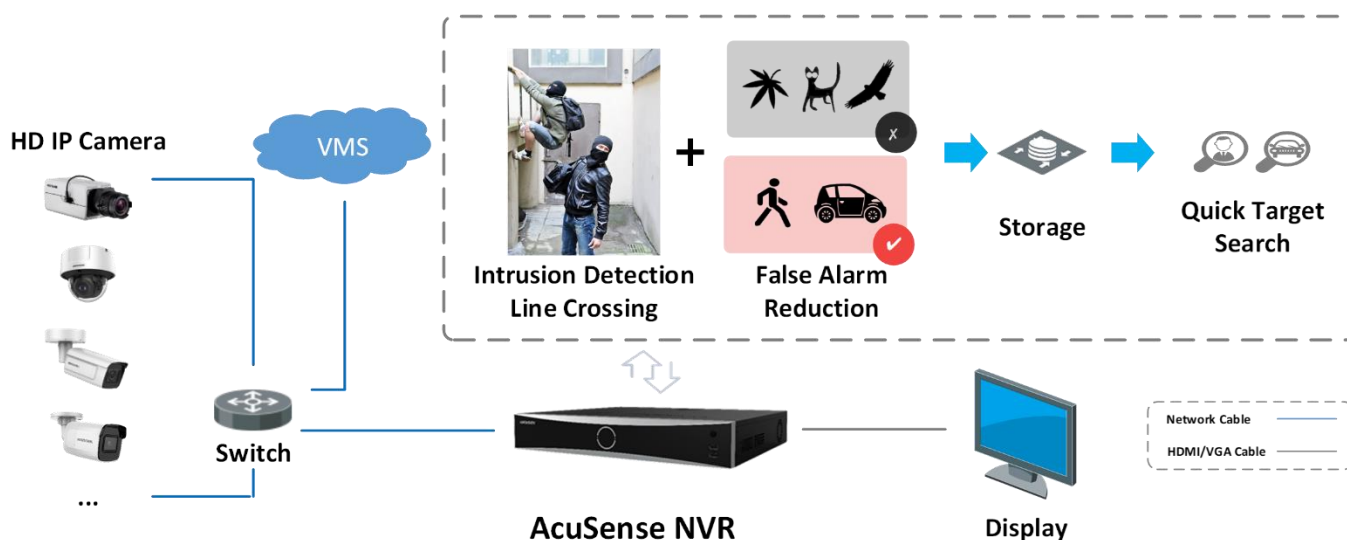
Facial Recognition and Face Picture Comparison

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 | 16-ch |
| Incoming Bandwidth | 160 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 |

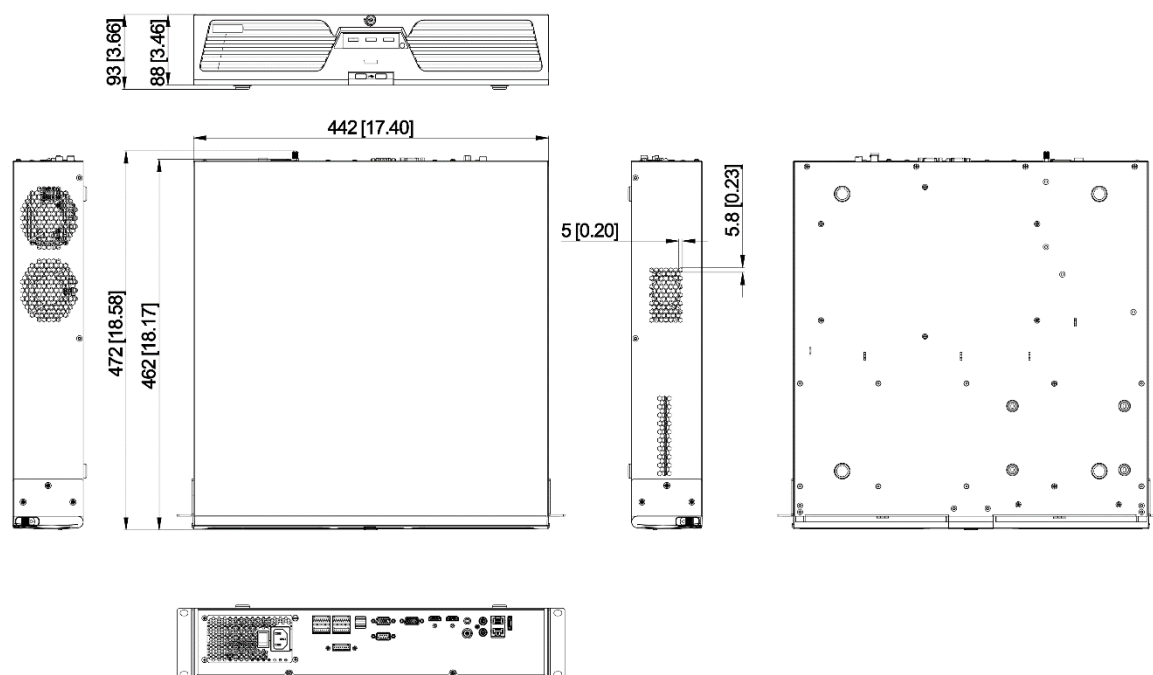
| | |
|----------------------------|---|
| VGA 2 Output | 1920 × 1080/60 Hz, 1600 × 1200/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz |
| Video Output Mode | HDMI1/VGA1 simultaneous output, HDMI2/VGA2 simultaneous output, HDMI1/HDMI2 independent output |
| CVBS Output | 1-ch, BNC (1.0 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 |
| Aux Port Window Division | 1/2/4/6/8/9/16 |
| 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 |
| 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 (profileS/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 14 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.

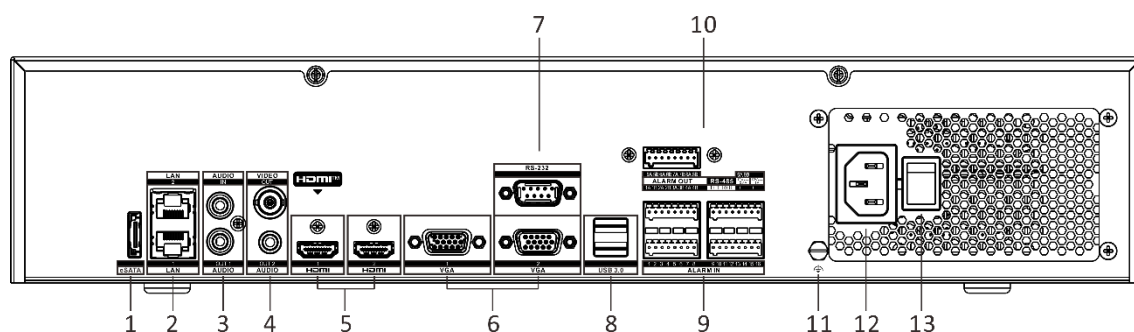
Dimension



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

DS-9616NXI-I8/S(E)

Headquarters

No.555 Qianmo Road, Binjiang District,
Hangzhou 310051, China
T +86-571-8807-5998
www.hikvision.com



Follow us on social media to get the latest product and solution information.

