

## DS-7732NXI-I4/16P/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 1-ch facial recognition for video stream, or up to 4-ch facial recognition for face picture
- All channels support Motion Detection 2..0
- Up to 32-ch IP camera inputs
- Up to 24-ch 1080p decoding capability
- Up to 160 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
- Dual 4K HDMI video output resolution

### Storage and Playback

- Up to 4 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

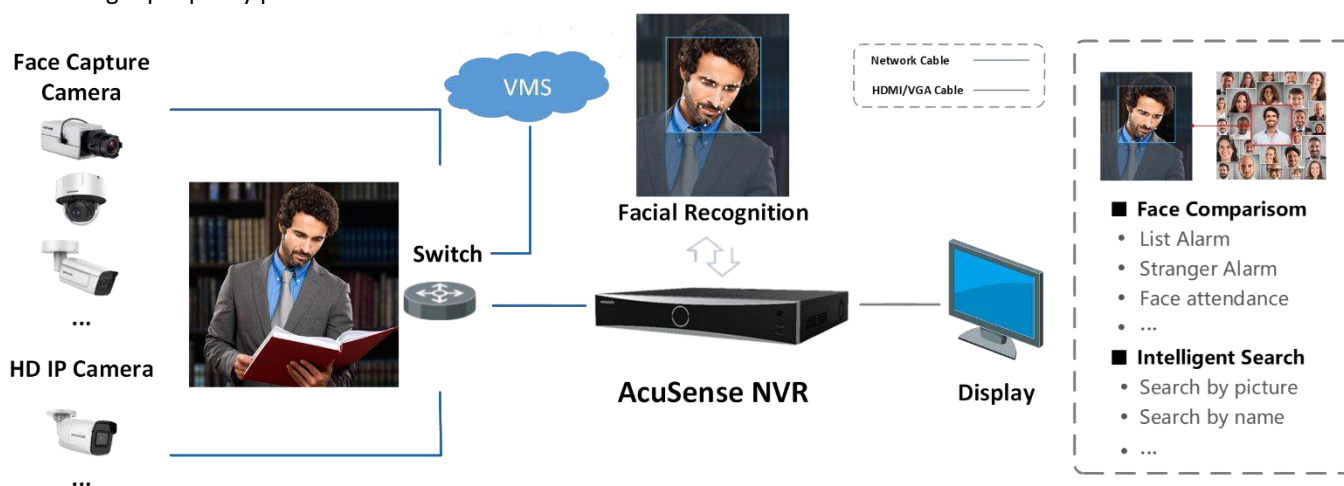
## Network & Ethernet Access

- 16 independent PoE network interfaces
- 1 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

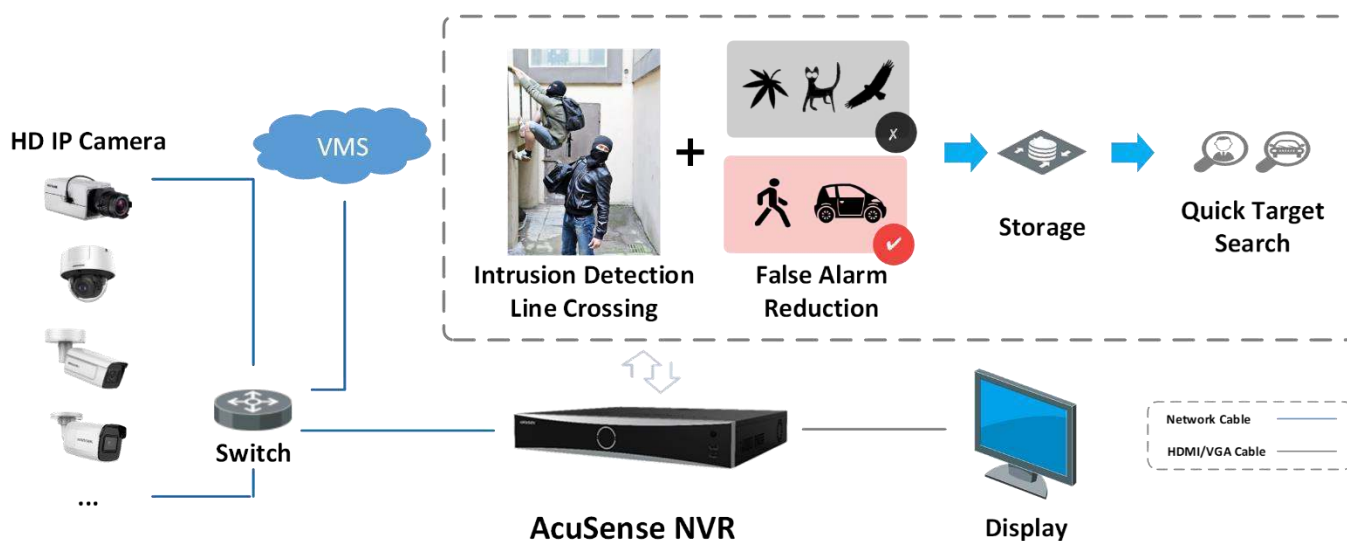
### Facial Recognition and Face Picture Comparison

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

| Intelligent Analytics                          |                                                                                                                                                     |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| AI by Device                                   | 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 Attributes                                | Wearing glasses, wearing a mask, facial expression, body temperature                                                                                |
| 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)                            |
| Face Picture Comparison (Captured from Camera) | 8-ch                                                                                                                                                |
| Facial Detection and Analytics Performance     | 4-ch human face capture (HD network camera, up to 8 MP, H.264/H.265)                                                                                |
| Motion Detection 2.0                           |                                                                                                                                                     |
| By Device                                      | All channels for Hikvision cameras                                                                                                                  |
| By Camera                                      | All channels                                                                                                                                        |
| Perimeter Protection                           |                                                                                                                                                     |
| By Device                                      | 4-ch, 2 MP (H.264/H.265) video analysis for human and vehicle recognition to reduce false alarm;<br>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                                 | 32-ch                                                                                                                                               |
| Incoming Bandwidth                             | 256 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         |

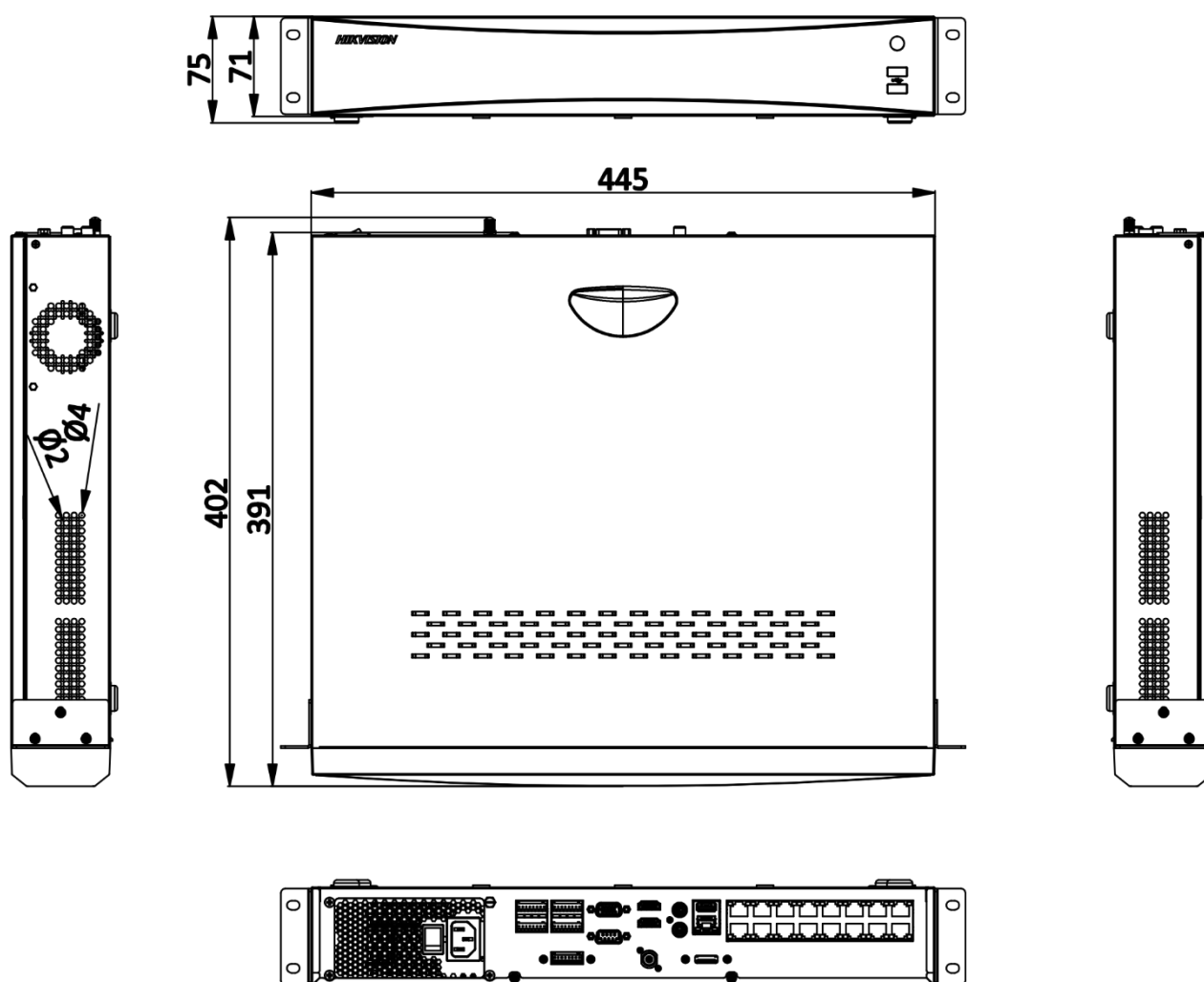
|                            |                                                                                                                                                                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| VGA 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/VGA simultaneous output, HDMI2/VGA independent output                                                                                                                                                                                 |
| CVBS Output                | 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480                                                                                                                                                                     |
| Audio Output               | 1-ch, RCA (Linear, 1 KΩ)                                                                                                                                                                                                                    |
| Two-Way Audio              | 1-ch, RCA (2.0 Vp-p, 1 KΩ)                                                                                                                                                                                                                  |
| <b>Decoding</b>            |                                                                                                                                                                                                                                             |
| Decoding Format            | H.265+/H.265/H.264+/H.264                                                                                                                                                                                                                   |
| 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<br>32MP/24MP/12MP/8MP/7MP/6MP/5MP/4MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF<br>*: The NVR supports up to 4-ch 32 MP/24 MP IP video inputs. |
| Synchronous Playback       | 16-ch                                                                                                                                                                                                                                       |
| Decoding Capability        | Enable AI by NVR: 20-ch@1080p (30 fps)<br>Disable AI by NVR: 32-ch@1080p (30 fps)                                                                                                                                                           |
| Dual-Stream Recording      | Support                                                                                                                                                                                                                                     |
| Stream Type                | Video, Video & Audio                                                                                                                                                                                                                        |
| Live View Window Division  | 1/2/4/6/8/9/16/25/32/36                                                                                                                                                                                                                     |
| Aux Port Window Division   | 1/2/4/6/8/9/16/25/32/36                                                                                                                                                                                                                     |
| Audio Compression          | G.711ulaw/G.711alaw/G.722/G.726/AAC/MP2L2/PCM                                                                                                                                                                                               |
| <b>Network</b>             |                                                                                                                                                                                                                                             |
| Network Interface          | 1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface                                                                                                                                                                                  |
| Remote Connection          | 128                                                                                                                                                                                                                                         |
| Network Protocol           | TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS                                                                                                                                      |
| API                        | ONVIF (profile S/G); SDK; ISAPI                                                                                                                                                                                                             |
| Compatible Browser         | IE11, Chrome V57, Firefox V52, Safari V12, Edge V89, or above version                                                                                                                                                                       |
| <b>PoE</b>                 |                                                                                                                                                                                                                                             |
| Interface                  | 16, RJ-45 10/100 Mbps self-adaptive Ethernet interface                                                                                                                                                                                      |
| Power                      | ≤ 200 W                                                                                                                                                                                                                                     |
| Standard                   | IEEE 802.3 af/at                                                                                                                                                                                                                            |
| <b>Auxiliary Interface</b> |                                                                                                                                                                                                                                             |
| Serial Interface           | 2 RS-485 (half-duplex), 1 RS-232                                                                                                                                                                                                            |
| SATA                       | 4 SATA interfaces                                                                                                                                                                                                                           |
| eSATA                      | 1 eSATA interface                                                                                                                                                                                                                           |

|                        |                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Capacity               | Up to 10 TB capacity for each disk                                                                                                                                                                                                                                                                                                                                                                    |
| Alarm In/Out           | 16/9                                                                                                                                                                                                                                                                                                                                                                                                  |
| USB Interface          | Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0                                                                                                                                                                                                                                                                                                                                                     |
| Ctrl 12V               | Controllable 12 VDC, 0.5 A power output for external alarm device; The power will be turned on when the alarm output is triggered.<br>*: The Ctrl 12V power is controlled by alarm output 9.                                                                                                                                                                                                          |
| DC 12V                 | 12 VDC, 1 A power output                                                                                                                                                                                                                                                                                                                                                                              |
| <b>General</b>         |                                                                                                                                                                                                                                                                                                                                                                                                       |
| 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 and PoE off)                                                                                                                                                                                                                                                                                                                                                                      |
| Working Temperature    | -10° C to 55° C (14° F to 131° F)                                                                                                                                                                                                                                                                                                                                                                     |
| Working Humidity       | 10% to 90%                                                                                                                                                                                                                                                                                                                                                                                            |
| Chassis                | 19-inch rack-mounted 1.5U chassis                                                                                                                                                                                                                                                                                                                                                                     |
| Dimension (W × D × H)  | 440 × 391 × 75 mm ( 17.3"× 15.4" × 3.0")                                                                                                                                                                                                                                                                                                                                                              |
| Weight                 | ≤ 3.6 kg (without HDD, 7.9 lb.)                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Certification</b>   |                                                                                                                                                                                                                                                                                                                                                                                                       |
| Obtained Certification | CE, CB, REACH, WEEE, UKCA, LOA                                                                                                                                                                                                                                                                                                                                                                        |
| CE                     | EN 55032:2015, EN 61000-3-2, EN 61000-3-3, EN 50130-4                                                                                                                                                                                                                                                                                                                                                 |

**Note:**

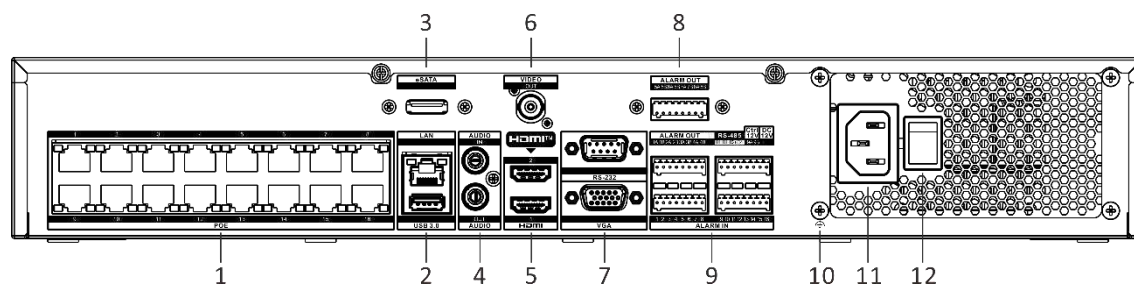
Facial recognition, motion detection 2.0 and perimeter protection cannot be enabled at the same time. Enable one function will make the others unavailable.

## Dimension



scale/1:1;Unit/mm

## Physical Interface



| No. | Description                  | No. | Description                                       |
|-----|------------------------------|-----|---------------------------------------------------|
| 1   | PoE interfaces               | 7   | VGA and RS-232 interfaces                         |
| 2   | USB 3.0 and LAN interfaces   | 8   | ALARM OUT                                         |
| 3   | eSATA interface              | 9   | ALARM IN, ALARM OUT, RS-485, Ctrl 12V, and DC 12V |
| 4   | Audio input and audio output | 10  | GND                                               |
| 5   | HDMI 1 and HDMI 2 interfaces | 11  | 100 to 240 VAC power supply                       |
| 6   | VIDEO OUT                    | 12  | Power switch                                      |

## Available Model

DS-7732NXI-I4/16P/S (E)

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