

## iDS-7732NXI-M4/16P/X 32-ch 1.5U 16 PoE 8K DeepinMind NVR



- Up to 2-ch@32 MP/2-ch@24 MP/4-ch@12 MP/8-ch@8 MP/16-ch@4 MP/32-ch@1080p decoding capacity
- H.265+/H.265/H.264+/H.264 video formats
- Up to 32-ch IP cameras can be connected, plug & play with 16 power-over-Ethernet (PoE) interfaces
- Intelligent analytics based on deep learning algorithm
- Up to 24-ch perimeter protection
- Up to 16-ch facial recognition for video stream, or up to 32-ch facial recognition for face picture
- Up to 12-ch video structuralization
- Up to 8-ch IP speakers can be connected

## ▪ Function

### Professional and Reliability

- 1、 H.265+ compression effectively reduces the storage space by up to 75%
- 2、 Dual-stream recording saves bandwidth
- 3、 Adopt stream over TLS encryption technology which provides more secure stream transmission service
- 4、 Support double verification for playback and downloading

### HD Video Output

- 1、 Provide independent HDMI and VGA outputs
- 2、 HDMI video output at up to 8K resolution or dual 4K resolution

### Storage and Playback

- 1、 Up to 4 SATA interfaces for HDD connection
- 2、 Up to 16-ch synchronous playback

### Smart & POS Function

- 1、 Support multiple VCA (Video Content Analytics) events
- 2、 Configurable special camera smart functions, such as VCA detection (motion, line crossing, intrusion, etc.), heat map, ANPR (Automatic Number-Plate Recognition), and people counting
- 3、 POS information overlay on live view and playback, and POS triggered recording and alarm

### Network & Ethernet Access

- 1、 1 self-adaptive 10/100/1000 Mbps Ethernet interface
- 2、 Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- 3、 Smooth streaming technology
- 4、 Support web access without plug-in

## ▪ Specification

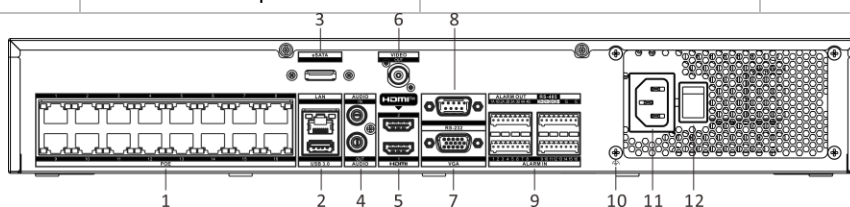
| Intelligent Analytics                             |                                                                                                                                                                                                                           |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AI by NVR                                         | Facial recognition, perimeter protection, video structuralization, AcuSearch                                                                                                                                              |
| AI by Camera                                      | Facial recognition, perimeter protection, video structuralization, AcuSearch, motion detection2.0, ANPR, people counting, VCA                                                                                             |
| Engine                                            | 2, each engine can run an intelligent algorithm, engine mode is adjustable                                                                                                                                                |
| AcuSearch                                         |                                                                                                                                                                                                                           |
| By Camera                                         | All channels, up to 691,200 targets/day<br>The camera should enable AcuSearch function                                                                                                                                    |
| By NVR                                            | Up to 8-ch, up to 691,200 targets/day                                                                                                                                                                                     |
| Perimeter Protection                              |                                                                                                                                                                                                                           |
| By NVR                                            | 24-ch 2 MP or 16-ch 4 MP or 8-ch 8 MP (without Large Model)<br>12-ch 2 MP or 8-ch 4 MP or 4-ch 8 MP (with Large Model)                                                                                                    |
| By Camera                                         | All channels (powered by Large Model)                                                                                                                                                                                     |
| Video Structuralization                           |                                                                                                                                                                                                                           |
| Structured Analysis                               | Up to 12-ch 2 MP (6-ch for each engine) or 8-ch 4 MP or 4-ch 8 MP                                                                                                                                                         |
| Face Picture Library                              | Up to 16 face picture libraries, up to 100,000 face pictures in list library, up to 10,000 face pictures in stranger library, up to 5,000,000 face pictures in face capture (each picture ≤ 4 MB, total capacity ≤ 20 GB) |
| Face Picture Comparison                           | 16-ch;<br>Comparison speed: 32 pictures per second                                                                                                                                                                        |
| Target Recognition                                |                                                                                                                                                                                                                           |
| Facial Detection and Analytics                    | Face picture comparison, human face capture, face picture search                                                                                                                                                          |
| Face Picture Library                              | Up to 16 face picture libraries, up to 100,000 face pictures in list library, up to 10,000 face pictures in stranger library, up to 5,000,000 face pictures in face capture (each picture ≤ 4 MB, total capacity ≤ 20 GB) |
| Face Picture Comparison<br>(Captured from Camera) | 32-ch (24-ch for each engine);<br>Comparison speed: 48 pictures per second                                                                                                                                                |
| Facial Detection and Analytics<br>Performance     | Up to 16-ch 2 MP (8-ch for each engine) or 8-ch 4 MP or 4-ch 8 MP                                                                                                                                                         |
| ANPR                                              |                                                                                                                                                                                                                           |
| By Camera                                         | All channels                                                                                                                                                                                                              |
| Vehicle Attributes                                | Vehicle brand, vehicle color, vehicle type                                                                                                                                                                                |
| Plate Attributes                                  | Plate number, license plate color, license plate type                                                                                                                                                                     |
| Video and Audio                                   |                                                                                                                                                                                                                           |
| IP Video Input                                    | 32-ch<br>Up to 32 MP resolution                                                                                                                                                                                           |
| Incoming Bandwidth                                | 320 Mbps                                                                                                                                                                                                                  |
| Outgoing Bandwidth                                | 400 Mbps                                                                                                                                                                                                                  |
| Video Output Mode                                 | HDMI1/VGA1 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                                      | 1-ch, RCA (Linear, 1 kΩ)                                                                                                                                                                                                  |
| Two-Way Audio                                     | 1-ch, RCA (2.0 Vp-p, 1 kΩ)                                                                                                                                                                                                |
| HDMI 1 Output                                     | 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz                                                                                                              |

|                            |                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HDMI 2 Output              | 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz<br>*: When HDMI 1 output resolution is 8K, the maximum HDMI 2 output resolution is 1080p.                                                                                                                                                                                                              |
| VGA Output                 | 1920 × 1080/60Hz                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Decoding</b>            |                                                                                                                                                                                                                                                                                                                                                                                              |
| Decoding Format            | H.265/H.265+/H.264/H.264+                                                                                                                                                                                                                                                                                                                                                                    |
| Decoding Capability        | 2-ch@32 MP (30 fps)/2-ch@24 MP (30fps)/4-ch@16 MP (30fps)/8-ch@8 MP (30fps)/16-ch@4 MP (30fps)/32-ch@2 MP (30fps)                                                                                                                                                                                                                                                                            |
| Synchronous Playback       | 16-ch                                                                                                                                                                                                                                                                                                                                                                                        |
| 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                                                                                                                                                                                                                                                                                                      |
| <b>Network</b>             |                                                                                                                                                                                                                                                                                                                                                                                              |
| Remote Connection          | 128                                                                                                                                                                                                                                                                                                                                                                                          |
| Network Protocol           | TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS, ONVIF(Version 2.2), OTAP                                                                                                                                                                                                                                                             |
| API                        | ONVIF (profileS/G); SDK; ISAPI                                                                                                                                                                                                                                                                                                                                                               |
| Compatible Browser         | IE11, Chrome V57, Firefox V52, Safari V12, Edge V89, or above version                                                                                                                                                                                                                                                                                                                        |
| Network Interface          | 1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface                                                                                                                                                                                                                                                                                                                                   |
| Camera Access Protocol     | ONVIF(Version 2.5), RTSP                                                                                                                                                                                                                                                                                                                                                                     |
| <b>PoE</b>                 |                                                                                                                                                                                                                                                                                                                                                                                              |
| Interface                  | 16 RJ-45 10/100 Mbps self-adaptive Ethernet interfaces                                                                                                                                                                                                                                                                                                                                       |
| Power                      | ≤ 200 W                                                                                                                                                                                                                                                                                                                                                                                      |
| Standard                   | IEEE 802.3 af/at                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Auxiliary Interface</b> |                                                                                                                                                                                                                                                                                                                                                                                              |
| SATA                       | 4 SATA interfaces; 3.5-inch HDD                                                                                                                                                                                                                                                                                                                                                              |
| eSATA                      | 1 eSATA interface                                                                                                                                                                                                                                                                                                                                                                            |
| Capacity                   | Up to 20 TB capacity for each HDD                                                                                                                                                                                                                                                                                                                                                            |
| Serial Interface           | 1 RS-232, 2 RS-485 (half-duplex)                                                                                                                                                                                                                                                                                                                                                             |
| USB Interface              | Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0                                                                                                                                                                                                                                                                                                                                            |
| Alarm In/Out               | 16/4                                                                                                                                                                                                                                                                                                                                                                                         |
| <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 |
| Power Supply               | 100 to 240 VAC, 50 to 60 Hz                                                                                                                                                                                                                                                                                                                                                                  |
| Consumption                | ≤ 50 W (without HDD and PoE off)                                                                                                                                                                                                                                                                                                                                                             |
| Working Temperature        | -10 to 55°C (14 to 131° F)                                                                                                                                                                                                                                                                                                                                                                   |
| Working Humidity           | 10 to 90%                                                                                                                                                                                                                                                                                                                                                                                    |
| Dimension (W × D × H)      | 445 × 400 × 71 mm ( 17.5" × 15.7" × 2.8")                                                                                                                                                                                                                                                                                                                                                    |
| Weight                     | ≤ 5 kg (without HDD, 11 lb.)                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Certification</b>       |                                                                                                                                                                                                                                                                                                                                                                                              |
| Obtained Certification     | CE, FCC, IC, CB, KC, UL, Rohs, Reach, WEEE, RCM, UKCA, LOA, BIS                                                                                                                                                                                                                                                                                                                              |
| FCC                        | Part 15 Subpart B, ANSI C63.4-2014                                                                                                                                                                                                                                                                                                                                                           |

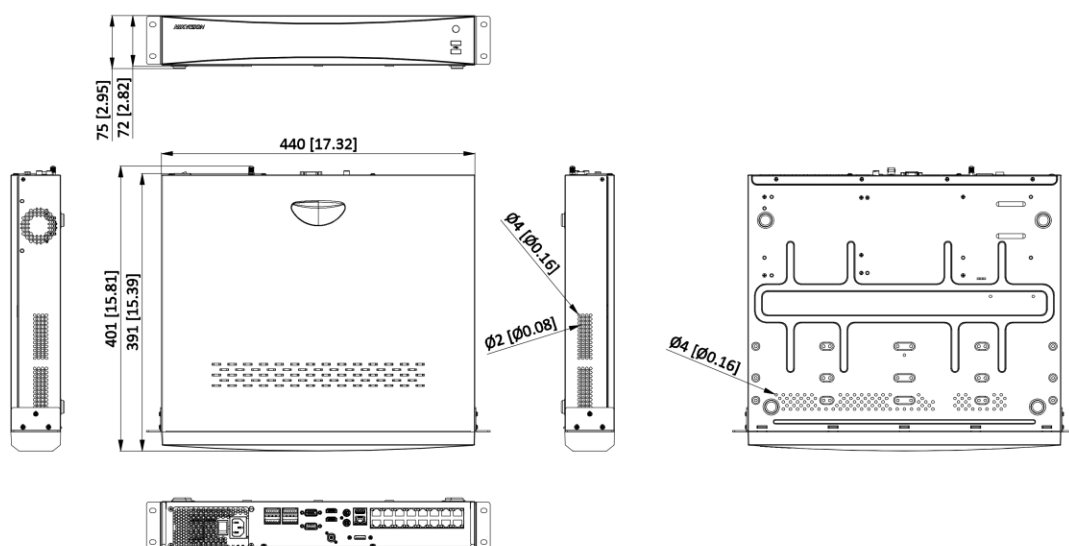
|    |                                                                                                                                |
|----|--------------------------------------------------------------------------------------------------------------------------------|
| CE | EN 55032:2015+A1:2020, ENIEC61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019, EN 50130-4:2011+A1:2014, EN 55035:2017+A11:2020 |
|----|--------------------------------------------------------------------------------------------------------------------------------|

## ▪ Physical Interface

| No. | Description                          | No. | Description                     |
|-----|--------------------------------------|-----|---------------------------------|
| 1   | Network interfaces with PoE function | 7   | VGA output                      |
| 2   | USB 3.0 interface and LAN interface  | 8   | RS-232 serial interface         |
| 3   | eSATA interface                      | 9   | Alarm in, alarm out, and RS-485 |
| 4   | Audio in and audio out               | 10  | GND                             |
| 5   | HDMI 1 and HDMI 2 interfaces         | 11  | 100 to 240 VAC power supply     |
| 6   | CVBS video output                    | 12  | Power switch                    |



## ▪ Dimension



Unit:mm [inch]

|       |     |
|-------|-----|
| SCALE | 1:1 |
|-------|-----|

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