

## iDS-DN7732NXI-M4/X DeepinMind M Series NVR

### Key Feature

- 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
- 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



### Profession and Reliability

- H.265+ compression effectively reduces the storage space by up to 75%
- Dual-stream recording saves bandwidth
- Adopt stream over TLS encryption technology which provides more secure stream transmission service
- Support double verification for playback and downloading
- ANR (Automatic Network Replenishment) technology ensures network camera video storage reliability

### HD Video Output

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

### Storage and Playback

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

### Smart & POS Function

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

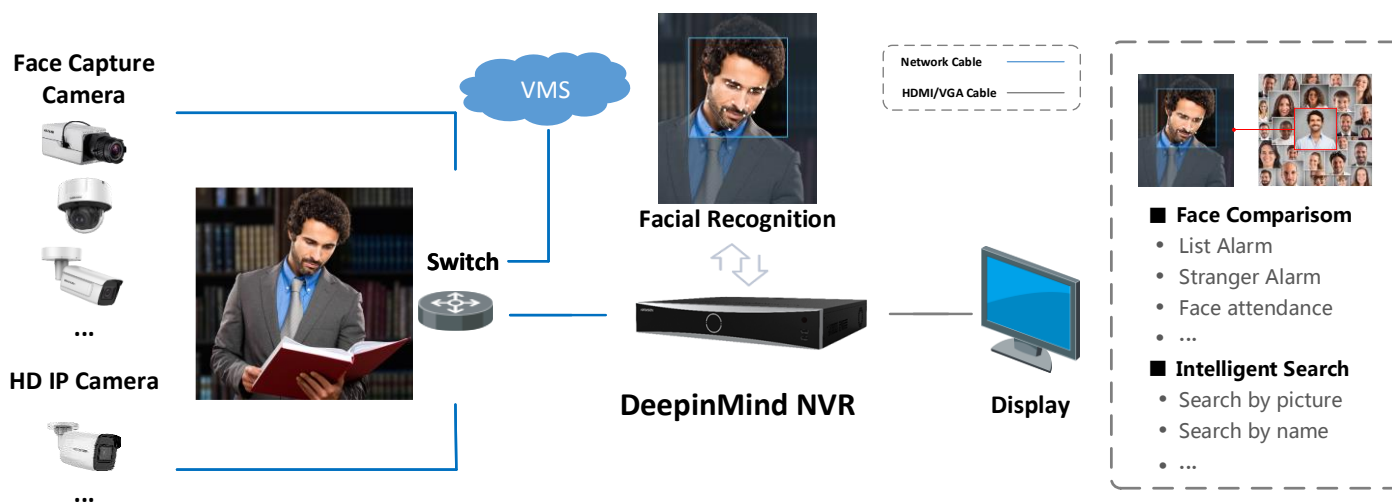
## Network & Ethernet Access

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

## Typical Application

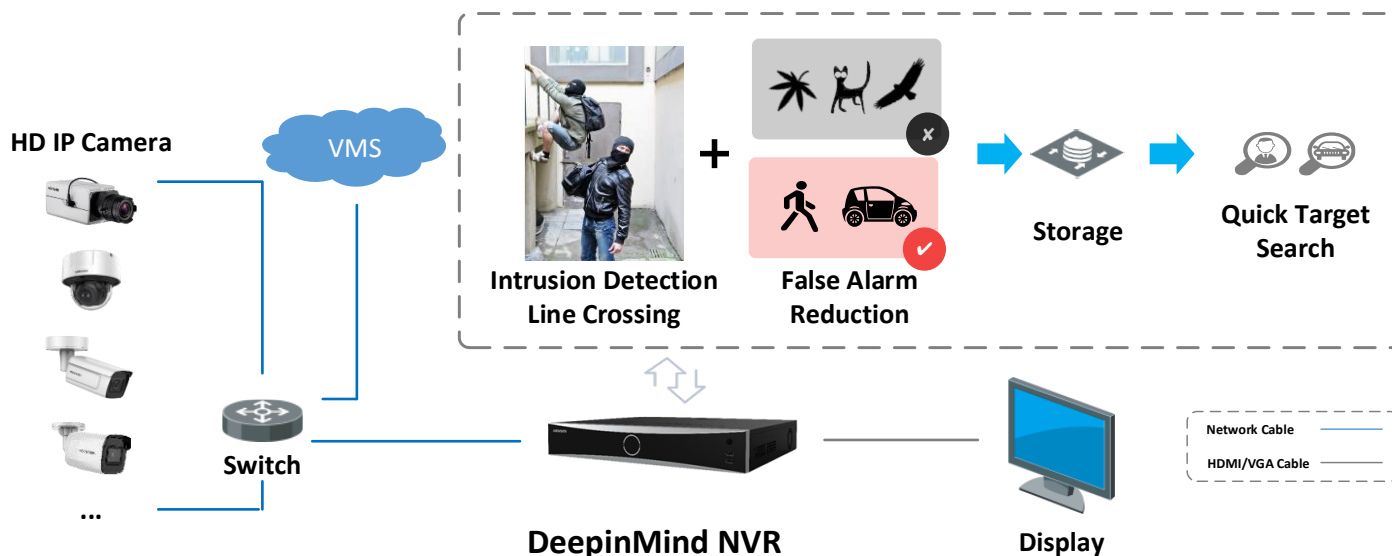
### Facial Recognition and Face Picture Comparison

Modeling and analyzing face pictures captured by cameras. Realize list alarm and stranger alarm via face picture library. Search target people by picture and name features.



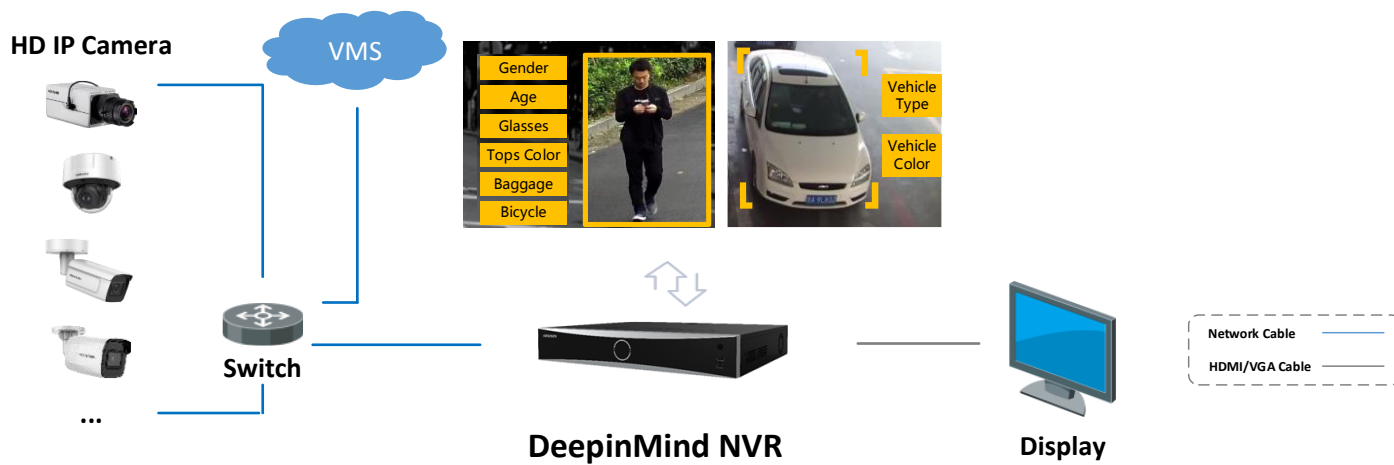
### Perimeter Protection

Adopt deep learning algorithm to reduce false alarm, effectively reduces the false alarm caused by tree branches, leaves, shadow, light, vehicles, small animals, etc.



## Video Structuralization

Extracting the face picture, human body and vehicle features from live videos, which is used for the tracking and retrieval of human and vehicles.



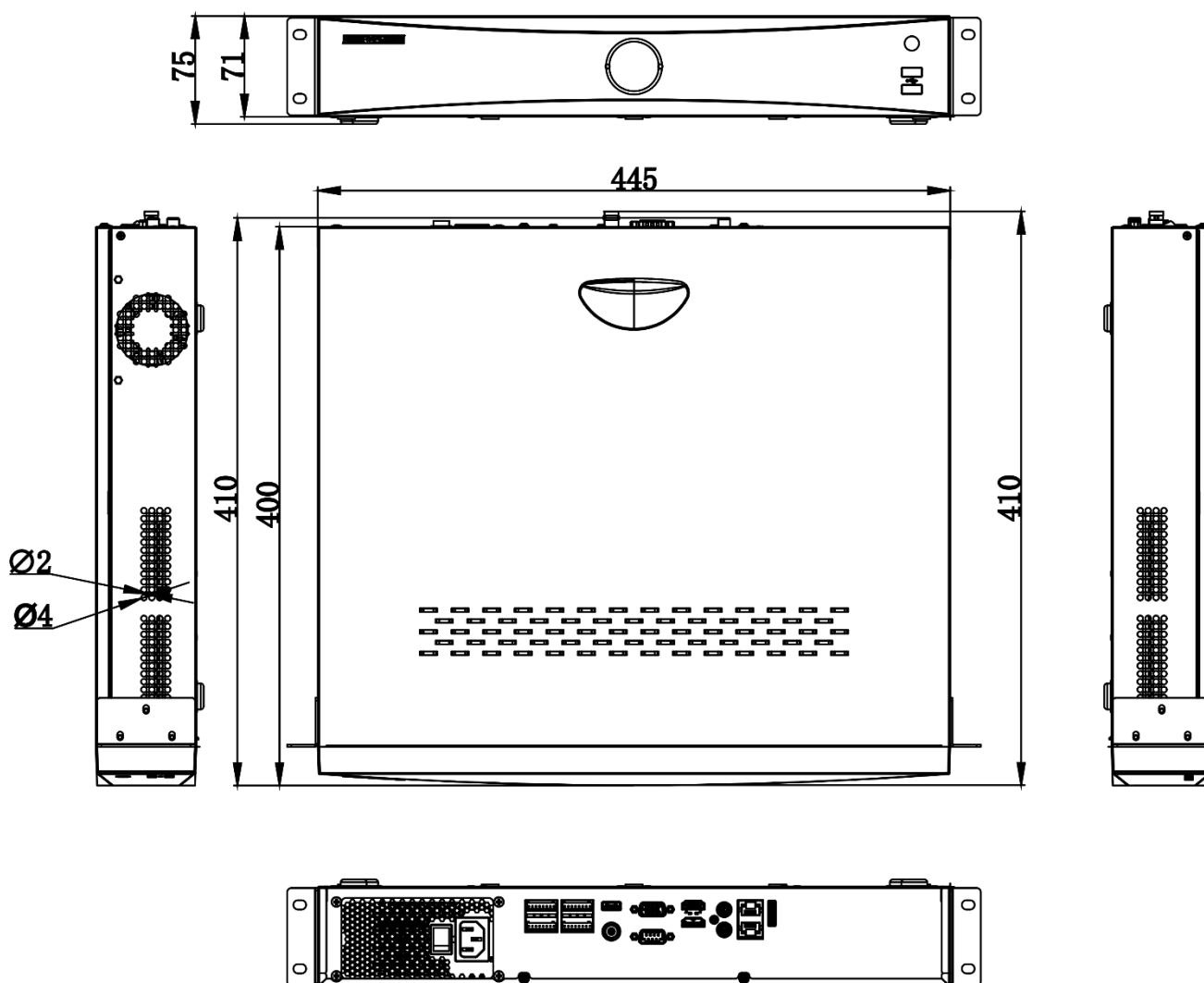
## ▪ Specification

| Intelligent Analytics                             |                                                                                                                                                                                                                           |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AI by NVR                                         | Facial recognition, perimeter protection, video structuralization, throwing objects from building                                                                                                                         |
| AI by Camera                                      | Facial recognition, perimeter protection, video structuralization, throwing objects from building, motion detection2.0, ANPR, people counting, VCA                                                                        |
| Engine                                            | 2, each engine can run an intelligent algorithm, 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, 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 (16-ch for each engine);<br>Comparison speed: 48 pictures per second                                                                                                                                                |
| Facial Detection and Analytics<br>Performance     | 16-ch 2 MP (8-ch for each engine), up to 8 MP                                                                                                                                                                             |
| Perimeter Protection                              |                                                                                                                                                                                                                           |
| By NVR                                            | 24-ch 2 MP (12-ch for each engine), up to 8 MP                                                                                                                                                                            |
| By Camera                                         | All channels                                                                                                                                                                                                              |
| Video Structuralization                           |                                                                                                                                                                                                                           |
| Structured Analysis                               | 12-ch 2 MP (6-ch for each engine), up to 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                                                                                                                                                                        |
| Throwing Objects from Building                    |                                                                                                                                                                                                                           |
| By NVR                                            | 16-ch 2 MP (8-ch for each engine), up to 8 MP                                                                                                                                                                             |
| By Camera                                         | All channels                                                                                                                                                                                                              |
| ANPR                                              |                                                                                                                                                                                                                           |
| By Camera                                         | All channels                                                                                                                                                                                                              |
| Plate Attributes                                  | Vehicle brand, vehicle color, vehicle type                                                                                                                                                                                |
| Vehicle Attributes                                | Plate number, license plate color, license plate type                                                                                                                                                                     |

| Video and Audio      |                                                                                                                                                                                                                                                       |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IP Video Input       | 32-ch<br>Up to 32 MP resolution<br>*: After ultra HD resolution mode is enabled, the NVR supports up to 8-ch 32 MP/24 MP IP video inputs.                                                                                                             |
| Incoming Bandwidth   | 320 Mbps                                                                                                                                                                                                                                              |
| Outgoing Bandwidth   | 400 Mbps                                                                                                                                                                                                                                              |
| HDMI 1 Output        | 8K (7680 × 4320)/30Hz, 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                                                                    |
| HDMI 2 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<br>*: When HDMI 1 output resolution is 8K, the maximum HDMI 2 output resolution is 1080p. |
| VGA Output           | 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz                                                                                                                                                                                  |
| 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)                                                                                                                                                                                                                            |
| Decoding             |                                                                                                                                                                                                                                                       |
| Decoding Format      | H.265/H.265+/H.264/H.264+                                                                                                                                                                                                                             |
| Decoding Capability  | 2-ch@32 MP (30 fps)/2-ch@24 MP (30 fps)/4-ch@12 MP (20 fps)/8-ch@8 MP (25 fps)/16-ch@4 MP (30 fps)/32-ch@1080p (30 fps)                                                                                                                               |
| 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<br>*: After ultra HD resolution mode is enabled, the NVR supports up to 8-ch 32 MP/24 MP IP video inputs.                                                      |
| Network              |                                                                                                                                                                                                                                                       |
| 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                                                                                                                                                                                 |
| Network Interface    | 2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface                                                                                                                                                                                            |

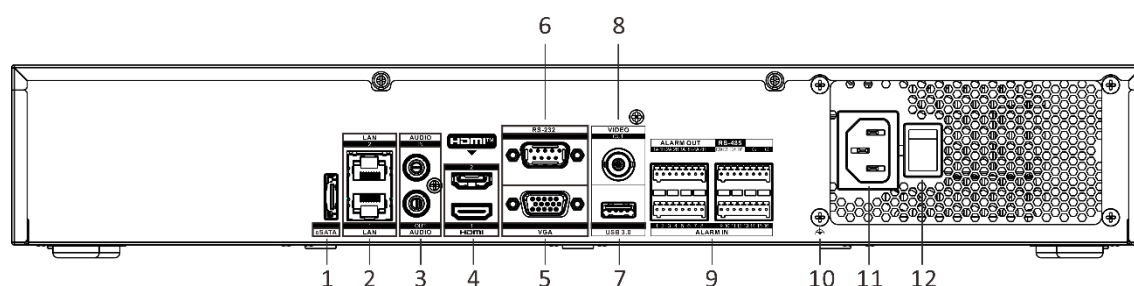
| Auxiliary Interface    |                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SATA                   | 4 SATA interfaces; 3.5-inch HDD                                                                                                                                                                                                                                                                                                                                                     |
| eSATA                  | 1 eSATA interface                                                                                                                                                                                                                                                                                                                                                                   |
| Capacity               | Up to 14 TB capacity for each HDD                                                                                                                                                                                                                                                                                                                                                   |
| Serial Interface       | 1 RS-232, 2 RS-485 (full-duplex), 1 keyboard                                                                                                                                                                                                                                                                                                                                        |
| USB Interface          | Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0                                                                                                                                                                                                                                                                                                                                   |
| Alarm In/Out           | 16/4 (16/9 is optional)                                                                                                                                                                                                                                                                                                                                                             |
| Ctrl 12V               | N/A                                                                                                                                                                                                                                                                                                                                                                                 |
| DC 12V                 | N/A                                                                                                                                                                                                                                                                                                                                                                                 |
| General                |                                                                                                                                                                                                                                                                                                                                                                                     |
| GUI Language           | English, Russian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Turkish, Japanese, Danish, Swedish, 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)                                                                                                                                                                                                                                                                                                                                                                |
| 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.)                                                                                                                                                                                                                                                                                                                                                        |
| Certification          |                                                                                                                                                                                                                                                                                                                                                                                     |
| 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, EN IEC61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019, EN 50130-4:2011+A1:2014, EN 55035:2017+A11:2020                                                                                                                                                                                                                                                     |

# Dimension



scale/1:1;Unit/mm

## Physical Interface



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

## Available Model

iDS-DN7732NXI-M4/X

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