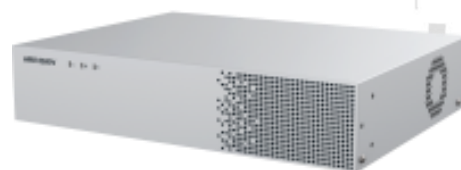


## iDS-6716NXI-M1/AI(B) NVS DeepinMind



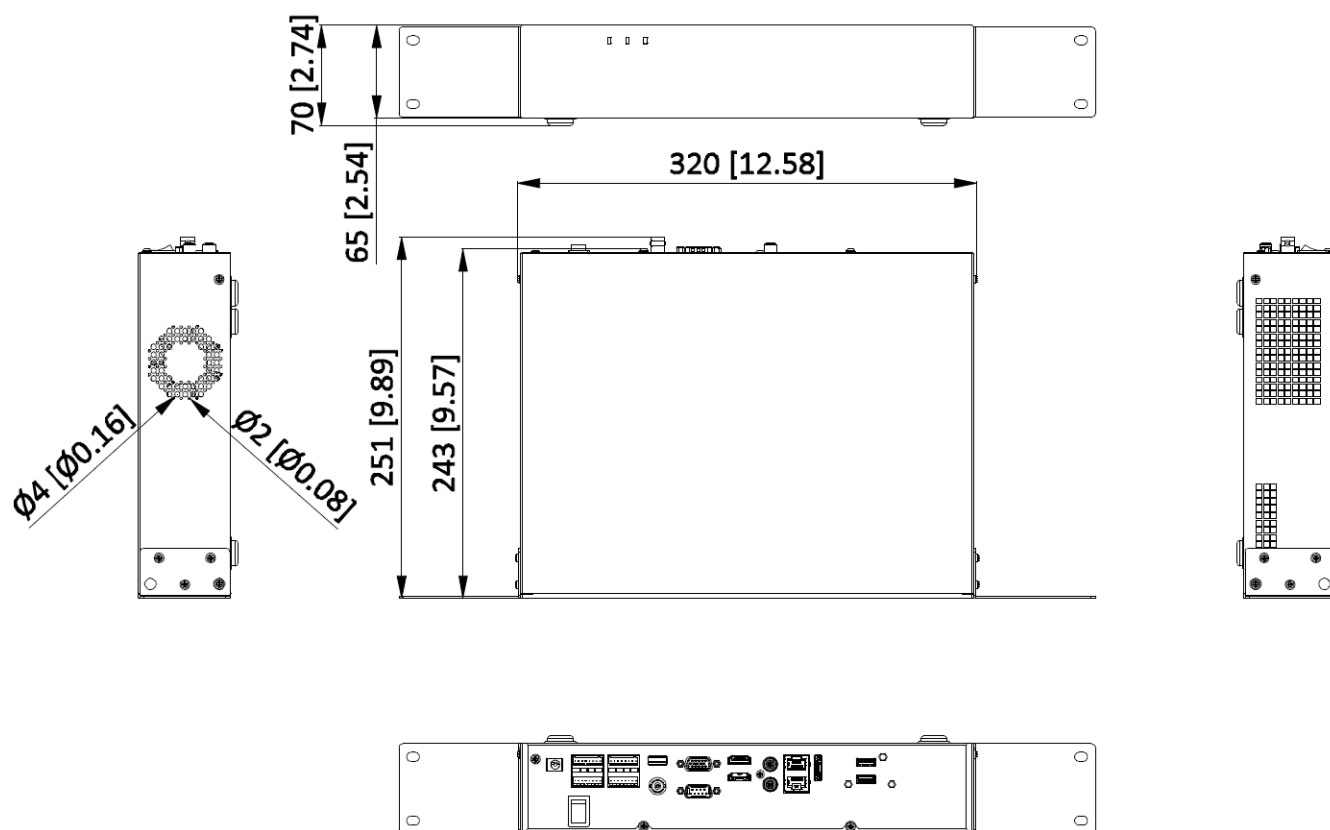
- Up to 2-ch@32 MP/2-ch@24 MP/4-ch@12 MP/8-ch@8 MP/16-ch@4 MP decoding capacity
- H.265+/H.265/H.264+/H.264 video formats
- Up to 16-ch IP cameras can be connected
- Deep learning based video analytics for not wearing hard hat detection and event detection, including people running detection, people gathering detection, violent motion detection, using mobile phone detection, etc

## ▪ Specification

| AI Open Platform Performance |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Live Video Analysis          | Up to 4-ch (4-ch@4 MP, 2-ch@6 MP, 1-ch @8 MP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Auto-Switch Video Analysis   | Up to 16-ch (switching time should between 10 to 3600 sec)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Scheduled Capture Analysis   | Up to 16-ch (switch time should between 3 to 3600 seconds)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Product Performance          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Video Analysis Capacity      | <p>Pre-installed AI Algorithm Package</p> <p>Human ( 3 Algorithm models )</p> <ol style="list-style-type: none"> <li>1. Facial recognition:</li> <li>2. People counting: regional people counting, people counting statistics</li> <li>3. PPE: safety helmets and reflective vests detection</li> </ol> <p>Vehicle ( 2 Algorithm models )</p> <ol style="list-style-type: none"> <li>1. Vehicle attributes: vehicle brand, vehicle color, vehicle type</li> <li>2. Non-motorized vehicle detection: motorcycle, bicycles</li> </ol> <p>Dangerous Event( 2 Algorithm models )</p> <ol style="list-style-type: none"> <li>1. Fire and smoke detection</li> <li>2. Occupation of fire escape</li> </ol> <p>Behaviour ( 3 Algorithm models )</p> <ol style="list-style-type: none"> <li>1. Street level behaviour : falling down detection, people gathering detection, fast moving detection, physical conflict detection</li> <li>2. Indoor: playing mobile phone, number of people exception, overstaying detection</li> <li>3. Perimeter: intrusion detection, line crossing detection, region entrance detection, region exiting detection</li> <li>4. Smoke detection, call detection</li> </ol> <p>AIOP (Up to 16 models)</p> <p>Model type: detection model, classification model, mixed model (detection model and classification model)</p> <p>1 engines in total, One engine can support four algorithm models;<br/>each algorithm model supports one real-time video stream analysis or a maximum of 8 auto-switch video analyses (switch time between 10 to 3600 seconds)</p> |
| Video and Audio              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| IP Video Input               | 16-ch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Incoming Bandwidth           | 128Mbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Outgoing Bandwidth           | 256 Mbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Video Output Mode            | HDMI1/VGA1 simultaneous output, HDMI2/VGA2 simultaneous output                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Audio Output                 | 1-ch, RCA (Linear, 1 KΩ)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Two-Way Audio                | 1-ch, RCA (2.0 Vp-p, 1 k Ω)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| HDMI Output                  | <p>HDMI1 : 8K (7680 × 4320)/30 Hz, 4K (3840 × 2160)/60 Hz, 4K (3840 × 2160)/30 Hz, 2K (2560 × 1440)/60 Hz, 1080P (1920 × 1080)/60 Hz</p> <p>HDMI2 : 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz</p> <p>*: When HDMI 1 output resolution is 8K, the maximum HDMI 2 output resolution is 1080p.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| VGA Output                   | VAG1/VGA2:1080P (1920 × 1080)/60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Decoding                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Decoding Format              | H.265/H.265+/H.264/H.264+                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

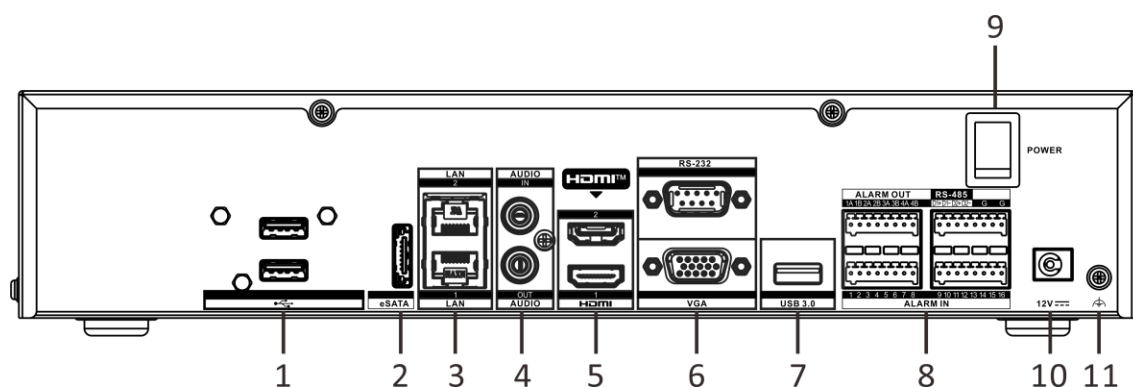
|                            |                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Decoding Capability        | Up to 2-ch@32 MP/2-ch@24 MP/4-ch@12 MP/8-ch@8 MP/16-ch@4 MP                                                                                                                                                                                                                                                                                                                         |
| 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>*: NVR supports up to 8-ch 32 MP/24 MP IP video inputs.                                                                                                                                                                                                                                   |
| <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                                                                                                                                                                                                                                                                              |
| API                        | ONVIF (profileS/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                                                                                                                                                                                                                                                                                                                          |
| <b>Auxiliary Interface</b> |                                                                                                                                                                                                                                                                                                                                                                                     |
| SATA                       | 1 SATA interface                                                                                                                                                                                                                                                                                                                                                                    |
| Capacity                   | Up to 16 TB capacity for each HDD, 1 built-in 3.5-inch 1 TB SATA hard disk                                                                                                                                                                                                                                                                                                          |
| Serial Interface           | 1 RS-232 interface, 2 RS-485 interface                                                                                                                                                                                                                                                                                                                                              |
| USB Interface              | Rear 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, Norwegian, Finnish, Korean, Traditional Chinese, Thai, Estonian, Vietnamese, Croatian, Slovenian, Serbian, Latvian, Lithuanian, Uzbek, Kazakh, Arabic, Ukrainian, Kyrgyz, Brazilian Portuguese, Indonesian |
| Power Supply               | 12 VDC, 5A                                                                                                                                                                                                                                                                                                                                                                          |
| Consumption                | ≤ 60 W                                                                                                                                                                                                                                                                                                                                                                              |
| Working Temperature        | -10 to 55° C (14 to 131° F)                                                                                                                                                                                                                                                                                                                                                         |
| Working Humidity           | 10 to 90%                                                                                                                                                                                                                                                                                                                                                                           |
| Dimension (W × D × H)      | 320 × 243 × 65 mm (12.6 × 9.6 × 2.5 inch)                                                                                                                                                                                                                                                                                                                                           |
| Weight                     | ≤ 5kg                                                                                                                                                                                                                                                                                                                                                                               |

▪ Dimension



Unit:mm [inch]

## ▪ Physical Interface



| No. | Description                        | No. | Description                     |
|-----|------------------------------------|-----|---------------------------------|
| 1   | USB interfaces                     | 7   | USB 3.0 interface               |
| 2   | eSATA interface                    | 8   | Alarm in, alarm out, and RS-485 |
| 3   | LAN interfaces                     | 9   | Power switch                    |
| 4   | Audio in and audio out             | 10  | Power supply                    |
| 5   | HDMI interfaces                    | 11  | GND                             |
| 6   | VGA interface and RS-232 interface |     |                                 |

## ▪ Available Model

iDS-6716NXI-M1/AI(B)

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