

iDS-96256NXI-H24R

256-ch 4U 8K DeepinMind Super NVR

Key Feature

- Up to 256-ch IP camera inputs
- Up to 1024 Mbps incoming bandwidth and 768 Mbps outgoing bandwidth
- H.265+/H.265/H.264+/H.264 video formats
- RAID 0, 1, 5, 6, 10 and N+M hot spare for even more reliable data storage, effectively avoids data loss risks
- Various AI functions, including facial recognition, perimeter protection powered by large model, video structuralization, and AcuSearch
- Intelligent analytics based on deep learning algorithm
- All channels perimeter protection powered by large model
- Up to 144-ch facial recognition for video stream, or up to 256-ch facial recognition for face picture
- Up to 108-ch video structuralization
- Up to 72-ch AcuSearch
- Up to 8-ch IP speakers can be connected
- Redundant power supply



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

HD Video Output

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

Storage and Playback

- Up to 24 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

- 4 self-adaptive 10M/100M/1000M/2500M Ethernet interfaces
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- Smooth streaming technology
- Support web access without plug-in

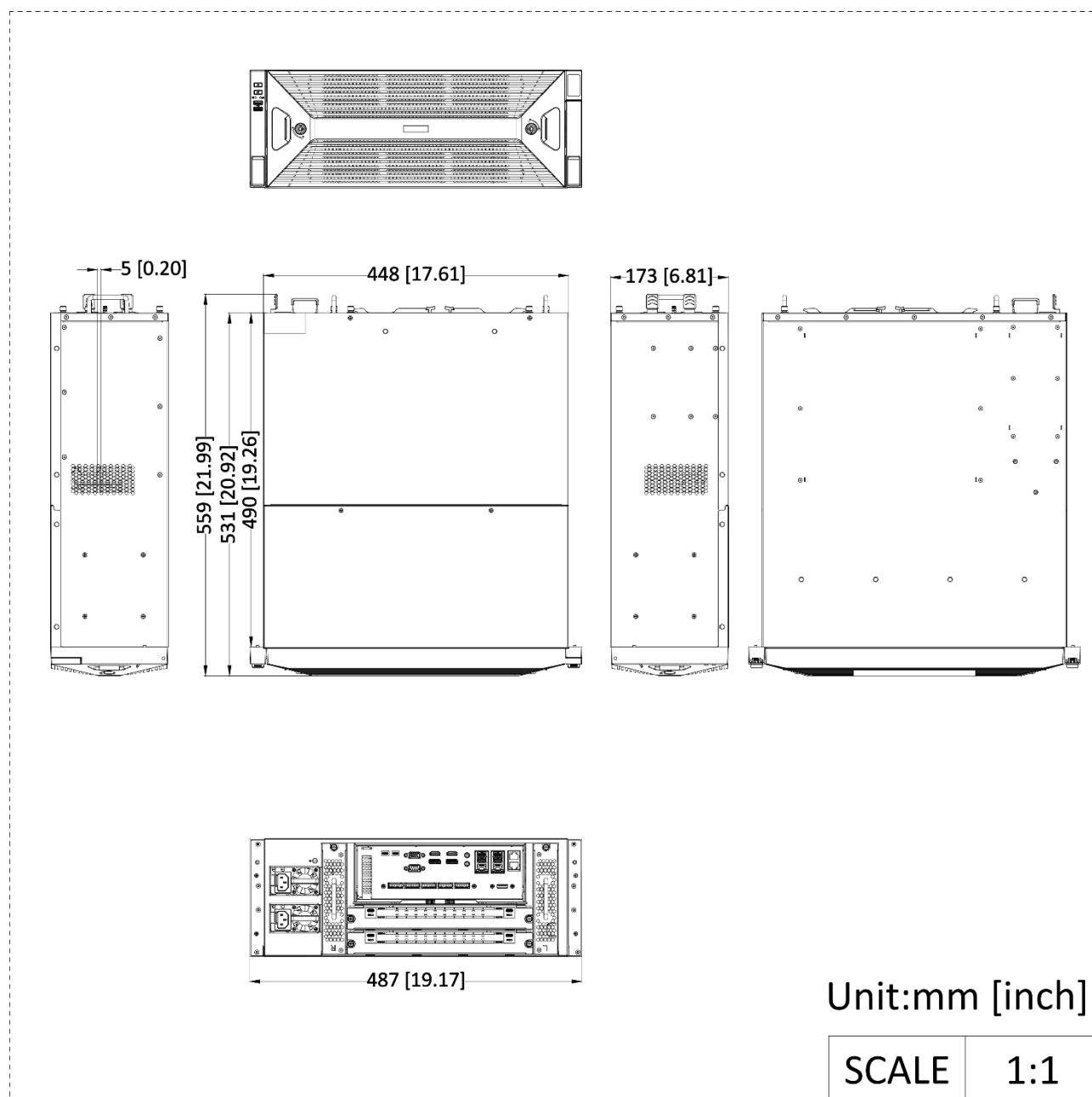
▪ Specification

| Intelligent Analytics | |
|--|---|
| AI by NVR | Facial recognition, perimeter protection, video structuralization, AcuSearch |
| AI by Camera | Facial recognition, perimeter protection, video structuralization, motion detection2.0, ANPR, people counting, VCA |
| Engine | 18, 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 Attributes | Wearing glasses, wearing a mask, facial expression, body temperature |
| Face Picture Library | Up to 64 face picture libraries, up to 500,000 face pictures in list library, up to 300,000 face pictures in stranger library, up to 50,000,000 face pictures in face capture (each picture ≤ 6 MB, total capacity ≤ 40 GB) |
| Face Picture Comparison | 256-ch face picture comparison alarm (24 pictures per second each engine) |
| Facial Detection and Analytics Performance | Each engine supports 8-ch 4 MP or 4-ch 8 MP face capture, 24 face pictures per second |
| AcuSearch | |
| By NVR | Up to 72-ch (4-ch for each engine) |
| By Camera | All channels *: The camera should enable AcuSearch function |
| Perimeter Protection | |
| By NVR | Perimeter protection without large model (each engine): 12-ch 2 MP or 8-ch 4 MP or 4-ch 8 MP Perimeter protection powered by large model (each engine): 8 images per second |
| By Camera | Perimeter protection powered by large model with AcuSense cameras: All channels |

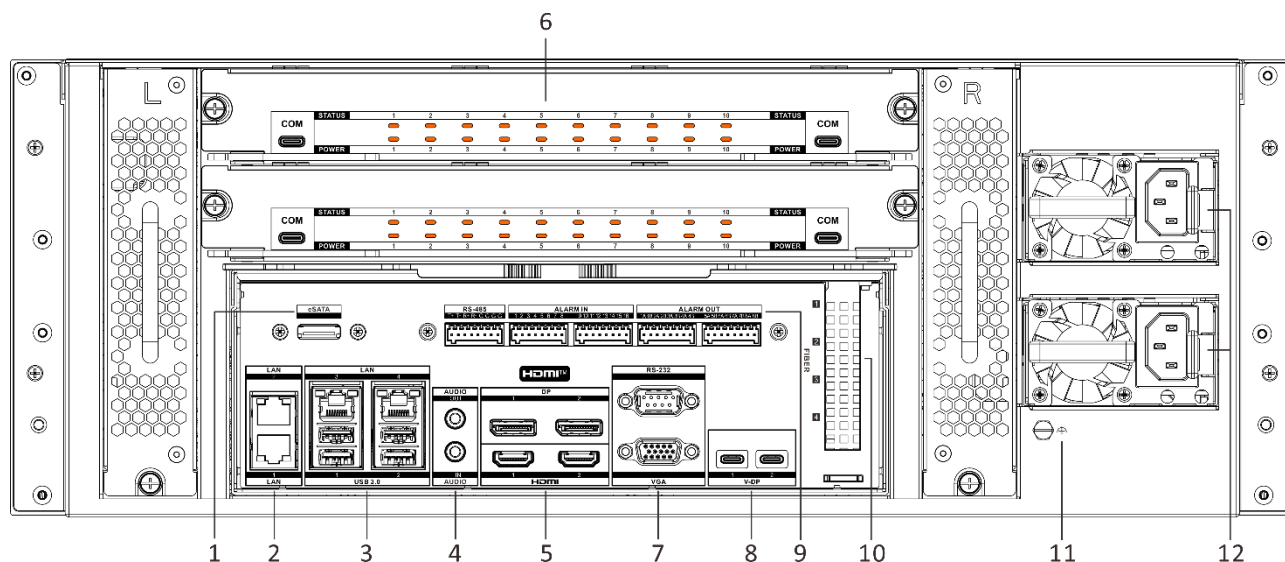
| Video Structuralization | |
|--------------------------------|--|
| Structured Analysis | 108-ch 2 MP (6-ch for each engine), up to 8 MP |
| Video and Audio | |
| IP Video Input | 256-ch |
| Incoming Bandwidth | 1024 Mbps |
| Outgoing Bandwidth | 768 Mbps |
| HDMI 1 Output | 4K (4096 × 2160)/30 Hz, 4K (3840 × 2160)/30 Hz, 2K (2560 × 1440)/60 Hz, 1920 × 1080/60 Hz |
| HDMI 2 Output | 4K (4096 × 2160)/30 Hz, 4K (3840 × 2160)/30 Hz, 2K (2560 × 1440)/60 Hz, 1920 × 1080/60 Hz |
| VGA 1 Output | 1920 × 1080/60 Hz |
| Audio Output | 1-ch, 3.5mm |
| Two-Way Audio | 1-ch, 3.5mm |
| Synchronous Playback | 16-ch |
| Incoming Bandwidth (RAID Mode) | 1024 Mbps |
| Outgoing Bandwidth (RAID mode) | 768 Mbps |
| VGA Output | 1920 × 1080/60 Hz |
| Video Output Mode | <p>Provide 4 groups of video outputs. The video outputs in the same group provide simultaneous output, and the video outputs between each group provide independent output.</p> <p>Group 1: HDMI 1/VGA/LCD</p> <p>Group 2: HDMI 2</p> <p>Group 3: DP 1/V-DP 1</p> <p>Group 4: DP 2/V-DP 2</p> <p>Note: After enabling DP 1/DP 2, V-DP 1/V-DP 2 would be unavailable.</p> |
| Decoding | |
| Recording Resolution | 32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF |
| Decoding Format | H.265+/H.265/H.264+/H.264 |
| Synchronous Playback | 16-ch |
| 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) |
| Live View Window Division | 64/36/25/16/9/8/6/4/2/1 |
| Audio Compression | G.711ulaw/G.711alaw/G.722/G.726/AAC/MP2L2/PCM/MP3 |

| Network | |
|------------------------|---|
| Network Interface | 4, RJ-45 10/100/1000/2500 Mbps self-adaptive Ethernet interface |
| Remote Connection | 256 |
| 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 (profile S/G); SDK; ISAPI |
| Camera Access Protocol | ONVIF(Version 2.5), RTSP |
| RAID | |
| RAID Type | RAID0, RAID1, RAID5, RAID6, RAID10 |
| Auxiliary Interface | |
| Serial Interface | 1 RS-485 (full-duplex), 1 RS-232 |
| SATA | 24 SATA interfaces; 3.5-inch HDD |
| eSATA | 1 eSATA interface |
| Capacity | Up to 20 TB capacity for each disk |
| Alarm In/Out | 16/8 |
| USB Interface | Front panel: 2 × USB 2.0; Rear panel: 4 × USB 3.0 |
| General | |
| GUI Language | English, Russian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Turkish, Japanese, Danish, Swedish Language, Norwegian, Finnish, Korean, Traditional Chinese, Thai, Estonian, Vietnamese, Croatian, Slovenian, Serbian, Latvian, Lithuanian, Uzbek, Kazakh, Arabic, Ukrainian, Kyrgyz , Brazilian Portuguese, Indonesian |
| Power Supply | 100 to 240 VAC, 50 to 60 Hz, redundant power supply |
| Consumption | ≤ 300 W (without HDD) |
| Working Temperature | 0 °C to + 50 °C (32 °F to 122 °F) |
| Working Humidity | 10% to 90% |
| Dimension (W × D × H) | 448 × 490 × 173 mm (17.6" × 19.3" × 6.8") |
| Weight | ≤25 kg (without HDD, 55.1 lb.) |
| Certification | |
| Obtained Certification | CE, CB, KC, Rohs, Reach, WEEE, UKCA, LOA |

Dimension



Physical Interface



| No. | Description | No. | Description |
|-----|--|-----|---------------------------------|
| 1 | eSATA interface | 7 | RS-232 and VGA interfaces |
| 2 | LAN 1 and LAN 2 interfaces | 8 | V-DP 1 and V-DP 2 interfaces |
| 3 | USB 3.0, LAN 3, and LAN 4 interfaces | 9 | RS-485, ALARM IN, and ALARM OUT |
| 4 | AUDIO IN and AUDIO OUT | 10 | FIBER |
| 5 | HDMI 1, HDMI 2, DP 1, and DP2 interfaces | 11 | GND |
| 6 | COM | 12 | 100 to 240 VAC power supply |

Available Model

iDS-96256NXI-H24R

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