

iDS-96256NXI-H24R/LCD 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
- 7-inch LCD touch-screen



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

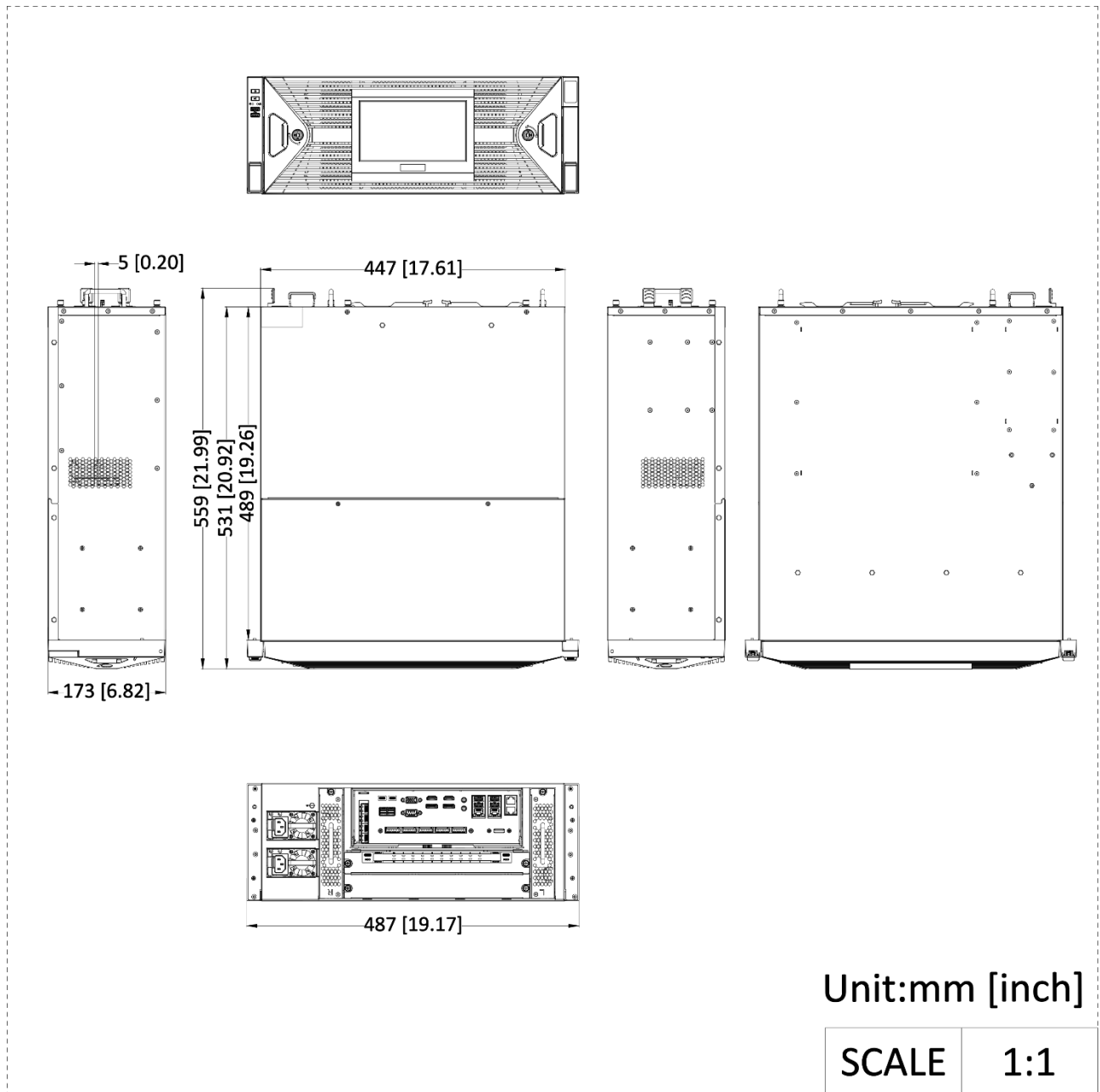
▪ Specification

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

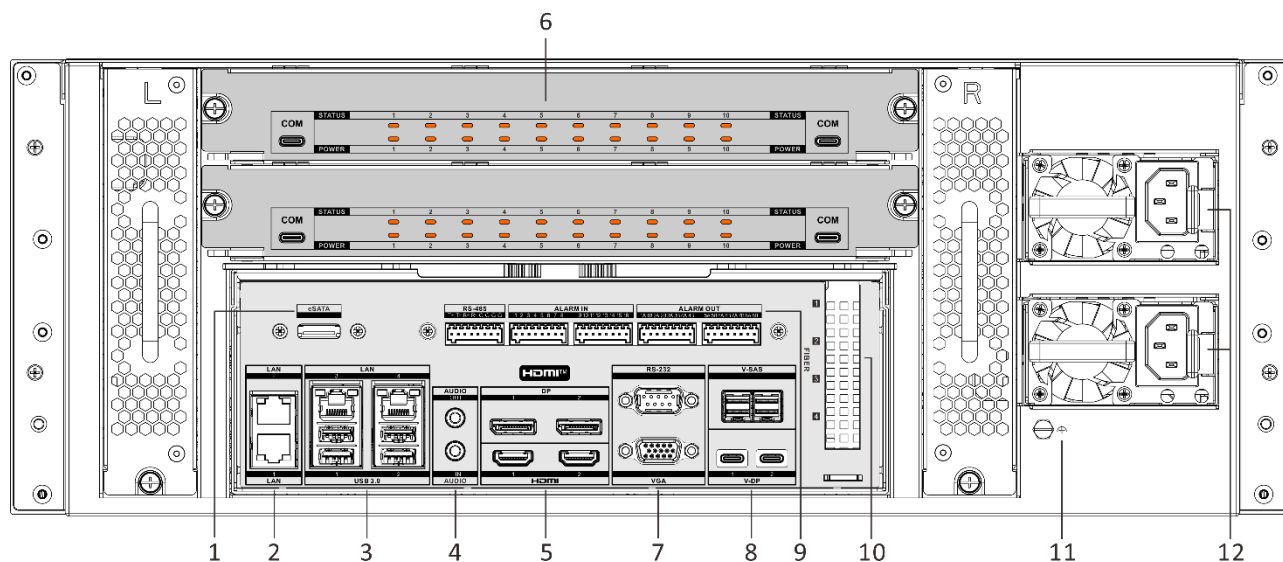
Video Structuralization	
Structured Analysis	108-ch 2 MP (6-ch for each engine), up to 8 MP
Video and Audio	
IP Video Input	256-ch
Incoming Bandwidth	1024 Mbps
Outgoing Bandwidth	768 Mbps
HDMI 1 Output	4K (4096 × 2160)/30 Hz, 4K (3840 × 2160)/30 Hz, 2K (2560 × 1440)/60 Hz, 1920 × 1080/60 Hz
HDMI 2 Output	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>
LCD Output	7-inch LCD
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
Fiber Optic Interface	4, Gigabit Ethernet interface
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, V-DP 2, and V-SAS 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/LCD

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