

iDS-96256NXI-H24R/AI 256-ch 4U 8K DeepinMind (AIOP) NVR



- 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
- Intelligent analytics based on deep learning algorithm
- Facial recognition for people not wearing hard hat
- PPE detection which including safety helmets and reflective vests
- Fire and smoke detection
- BA function, falling down detection, people gathering detection, fast moving detection, physical conflict detection
- Indoor BA function, playing mobile phone, number of people exception, overstaying detection

▪ Specification

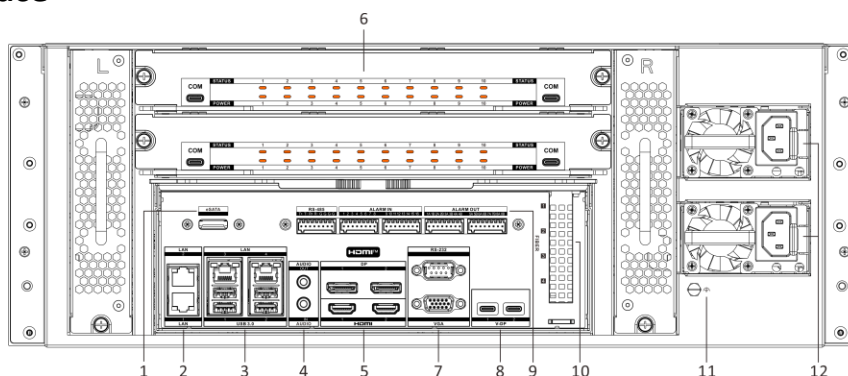
Intelligent Analytics	
AI by NVR	Pre-installed AI Algorithm Package Human (3 Algorithm models) 1. Facial recognition 2. People counting: regional people counting, people counting statistics 3. PPE: safety helmets and reflective vests detection Vehicle (2 Algorithm models) 1. Vehicle attribute: vehicle brand, vehicle color, vehicle type 2. Non-motorized vehicle detection: motorcycle, bicycles Dangerous Event (2 Algorithm models) 1. Fire and smoke detection 2. Occupation of fire escape Behavior (3 Algorithm models) 1. Street level behavior: falling down detection, people gathering detection, fast moving detection, physical conflict detection 2. Indoor: playing mobile phone, number of people exception, overstaying detection 3. Perimeter: intrusion detection, line crossing detection, region entrance detection, region exiting detection 4. Smoke detection, call detection AIOP (Up to 16 models) Model type: detection model, classification model, mixed model (detection model and classification model)
AI by Camera	Facial recognition, perimeter protection, video structuralization, motion detection 2.0, ANPR, people counting, VCA
Engine	24
Video and Audio	
IP Video Input	256
VGA 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
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

Video Output Mode	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. Group 1: HDMI 1/VGA/LCD Group 2: HDMI 2 Group 3: DP 1/V-DP 1 Group 4: DP 2/V-DP 2 Note: After enabling DP 1/DP 2, V-DP 1/V-DP 2 would be unavailable.
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
Aux Port Window Division	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
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, 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	≤ 360 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	≤ 35KG

Certification

Obtained Certification	CE, IC, CB, KC, Rohs, Reach, WEEE, RCM, UKCA, LOA
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Physical Interface



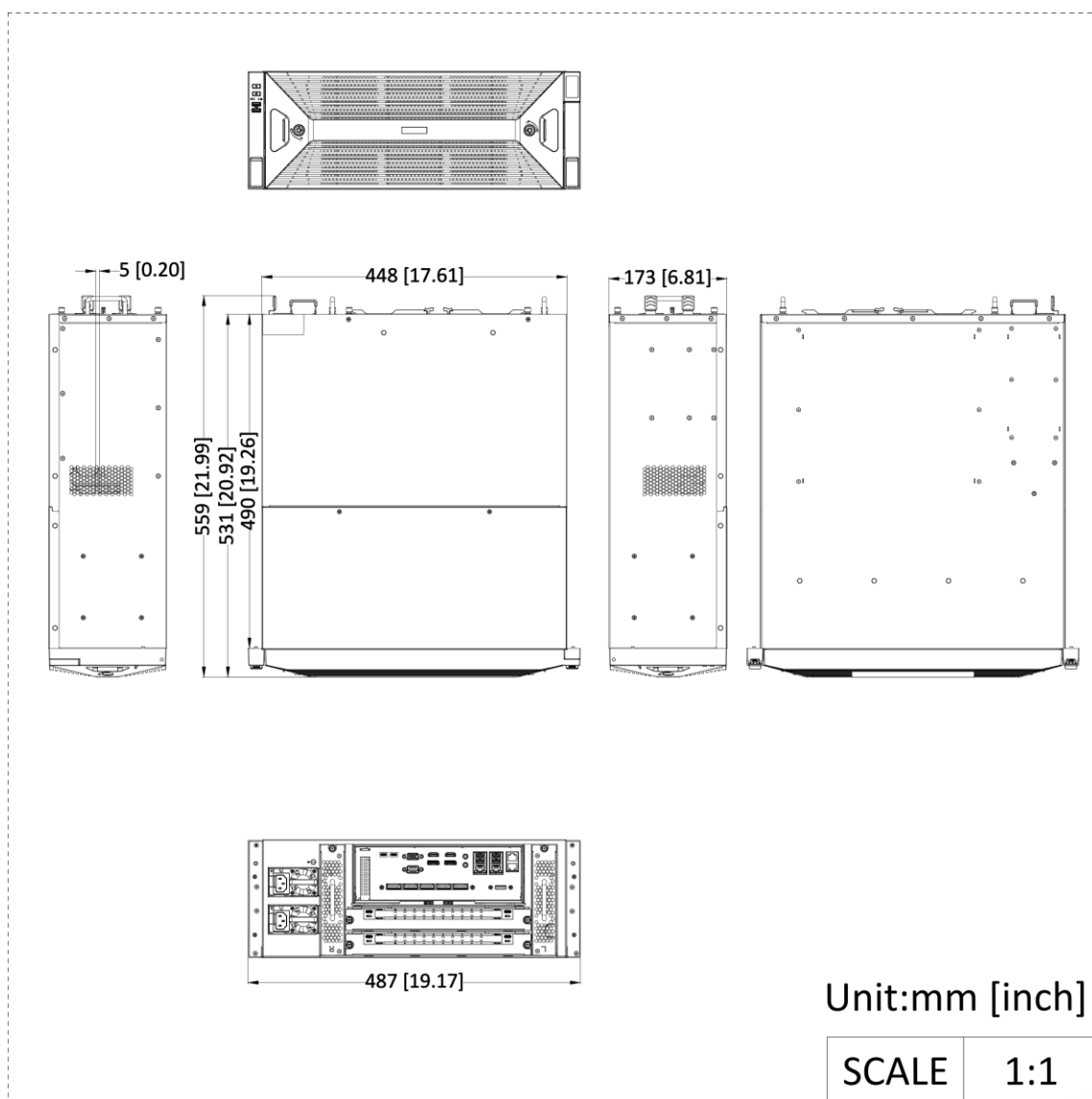
No.	Description	No.	Description
1	eSATA interface	7	RS-232 and VGA interfaces
2	LAN 1 and LAN 2 interfaces	8	V-DP 1 and V-DP 2 interfaces
3	USB 3.0, LAN 3, and LAN 4 interfaces	9	RS-485, ALARM IN, and ALARM OUT
4	AUDIO IN and AUDIO OUT	10	FIBER
5	HDMI 1, HDMI 2, DP 1, and DP2 interfaces	11	GND
6	COM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

Available Model

iDS-96256NXI-H24R/AI(STD)

iDS-96256NXI-H24R/AI(NEU)

Dimension



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