iDS-96256NXI-S24R/AF
Fusion AI Station- Analytics & Storage





- Up to 1-ch@32 MP/1-ch@24 MP/2-ch@12 MP/4-ch@8 MP/8-ch@4 MP/16-ch@1080p decoding capacity
- H.265+/H.265/H.264+/H.264 video formats
- Up to 256-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

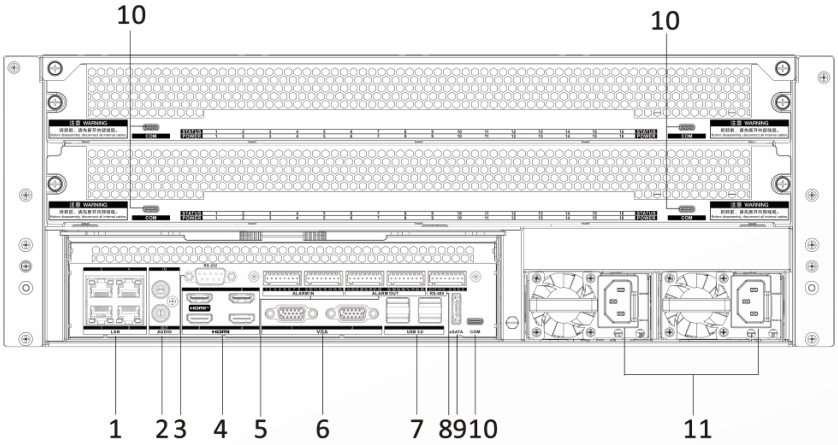
▪ Specification

Model		iDS-96256NXI-S24R/AF
AI Open Platform Performance	Engine	iDS-96256NXI-S24R/AF:24 * KT5， 16 for small models analysis as default, 8 for large models algorithm secondary analysis; 1 engine can support 4 small models at the same time,or 1 large model iDS-96256NXI-S24R/AF(标配),iDS-96256NXI-S24R/AF(中性):24* KT5， 16 for small models analysis as default, 8 for large models algorithm secondary analysis; 1 engine can support 4 small models at the same time,or 1 large model iDS-96256NXI-S24R/AF(中性)(Ultra):32 * KT5， 24 for small model analysis as default, 8 for lager model algorithm secondary analysis,1 engine can support 4 algorithm models at the same time iDS-96256NXI-S24R/AF(标配)(Ultra):32* KT5， 24 for small models analysis as default, 8 for large models algorithm secondary analysis; 1 engine can support 4 small models at the same time,or 1 large model
	Live Video Analysis	1 engine can support up to 8 ch (8 ch @ 4 MP， 4 ch @ 8 MP)
	Auto-Switch Video Analysis	1 engine can support up to 16 ch (switch time between 10 and 3600 seconds)
	Scheduled Capture Analysis	1 engine can support up to 16 ch (switch time between 3 and 3600 seconds)
	Offline Picture Analysis	4 images per GPU per second or 1 image per GPU per second (large model)
Human	Facial recognition	Face Capture / Face Picture Comparison (64 face libraries, 500,000 pictures)
	Personnel Compliance	Hard Hat / Reflective Cloth / Skin Exposure / Goggles / Smoking / Phone Call / Using Phone / Sleeping (Face down) / Sleeping (Reclining) / Absence / Seatbelt / Person Overstay / Person Loitering
	Workwear Registration and Comparison	Work uniform / Work hat
	People Counting	Regional people counting / People counting statistics
	Street Behaviour	Violent / Fall Down / Running / Gathering
Vehicle	Vehicle Recognition	Excavator / Bulldozer / Dump Truck / Concrete Pump Truck / Crane / Cement Tanker / Tower Crane / Truck / Oil Tank Truck / Electric Moped / Bicycle / Coach / Small Sized Vehicle / Forklift / Tricycle
Environment	Smoke and Fire	Smoke/Fire
	Perimeter Protection	Intrusion detection / Line crossing detection / Region entrance detection / Region exiting detection
	Fire Escape Occupation Detection	Fire_Escape_Occupation_Detection

Object	Object Detection	Fire_Extinguisher / Oxygen_Cylinder / Acetylene_Cylinder / Gas_Cylinder / Fire_Extinguisher_Box / Fire_Blanket / Banner / Dustbin / Traffic_Cone
AIOP	Gun Detection	Gun_Detection / Knife_Detection / Axe_Detection / Hands_Up_And_Cover_Head_Detection
	Multi Label Large Model	Goggle / Mask / Face_Shield / Hard_Hat / Hard_Hat_Color / Reflective_Clothing / Safety_Harness / Skin_Exposure / Anti_Static_Clothing / Human_Body / Upper_Body / Head_and_Shoulder / Using_Mobile_Phone etc.
	AI Open Platform Algorithm	Detection model, Classification model, Mixed model (Detection model and Classification model), Dual detection model
RAID	RAID Type	RAID0, RAID1, RAID5, RAID6, RAID10
Video and Audio	IP Video Input	256-ch
	Incoming Bandwidth	1280Mbps， or 640Mbps (RAID Mode)
	Outgoing Bandwidth	768Mbps，or 512Mbps (RAID Mode)
	Video Output Mode	Simultaneous Output Mode : HDMI1, HDMI2, HDMI3, HDMI4, VGA1 and VGA2 provide simultaneous output,the maximum resolution is 1080p
	HDMI Output	HDMI1： 1080P（1920×1080）/60Hz HDMI2： 1080P（1920×1080）/60Hz HDMI3： 1080P（1920×1080）/60Hz HDMI4： 1080P（1920×1080）/60Hz
	VGA Output	VGA1：1080P (1920 × 1080)/60 Hz VGA2：1080P (1920 × 1080)/60 Hz
	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	Up to 1-ch@32 MP/1-ch@24 MP/2-ch@12 MP/4-ch@8 MP/8-ch@4 MP/16-ch@1080P
	Synchronous Playback	16-ch
	Recording Resolution	32MP/24MP/16MP/12MP/8MP/7MP/6MP/5MP/4MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF *: After ultra HD resolution mode is enabled, the NVR supports up to 8-ch 32 MP/24 MP IP video inputs.
Network	Remote Connection	256
	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	4, RJ45 10/100/1000Mbps self-adaptive Ethernet interface

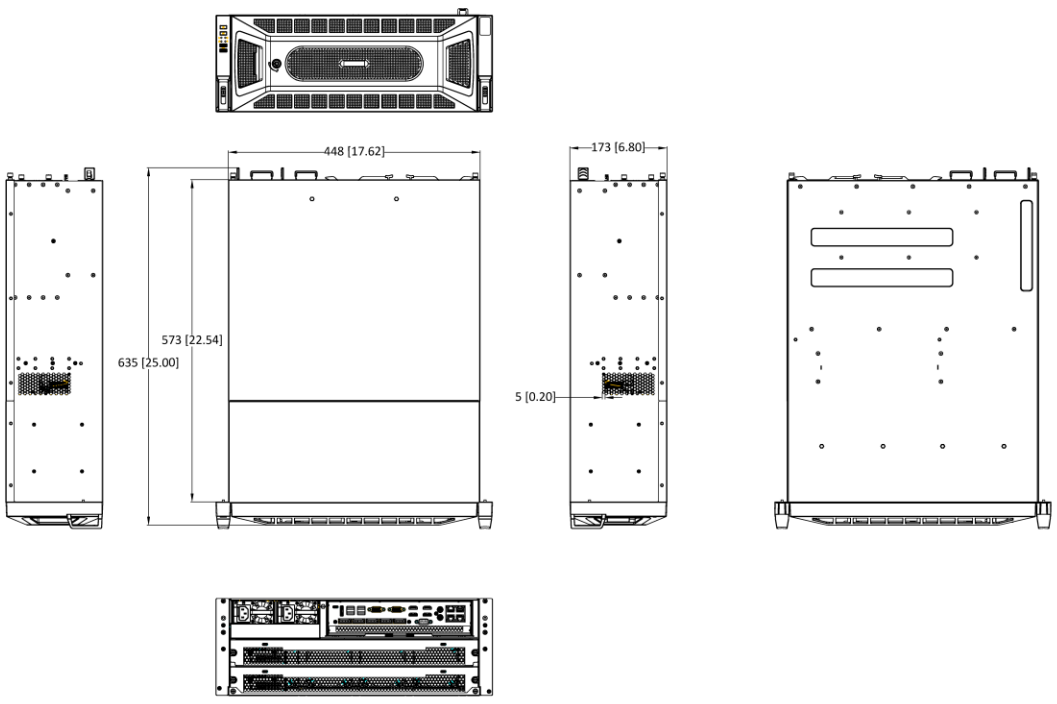
Auxiliary Interface	SATA	24 SATA interfaces; 3.5-inch HDD
	Capacity	Up to 20 TB capacity for each HDD
	eSATA	1 eSATA interface
	Serial Interface	1 RS-232, 2 RS-485 (half-duplex)
	USB Interface	Front panel: 2 × USB 2.0; Rear panel: 4 × USB 3.0
	Alarm In/Out	16/8
General	GUI Language	English, Russian, 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	100V to 240V AC, 1200W, redundant power supply
	Consumption	iDS-96256NXI-S24R/AF:≤680W (without HDD) iDS-96256NXI-S24R/AF(中性):≤680W (without HDD) iDS-96256NXI-S24R/AF(标配)(Ultra):≤800W(without HDD) iDS-96256NXI-S24R/AF(中性)(Ultra):≤800W (without HDD) iDS-96256NXI-S24R/AF(标配):≤680W (without HDD)
	Working Temperature	-10℃ to 50℃ (14℉ to 122℉)
	Working Humidity	10% to 90%
	Dimension (W × D × H)	448 mm × 573 mm × 173mm
	Weight	≤27kg (without HDD)

▪Physical Interface



No.	Description	No.	Description
1	LAN Interfaces	7	USB 3.0 Interfaces
2	Audio In and Audio Out	8	RS-485 Interface
3	RS-232 Interface	9	eSATA Interface
4	HDMI Interfaces	10	COM
5	Alarm In and Alarm Out	11	Power Supply
6	VGA Interfaces		

▪ Dimension



Unit:mm [inch]

SCALE	1:1

See Far, Go Further

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