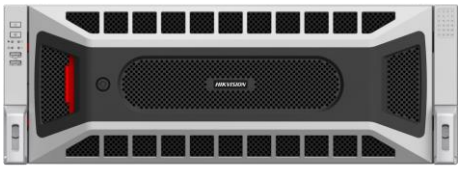
iDS-96128NXI-S24R/AF
Fusion AI Station- Analytics & Storage





- 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 128-ch IP cameras can be connected
- Built-in 12 * KT5 , 8 for small model analysis as default , 4 for large model algorithm secondary analysis
- Deep learning based video analytics for facial recognition, personnel compliance, workwear registration and comparison, people counting, street behaviour, vehicle recognition, smoke and fire, perimeter protection, fire escape occupation detection, object detection, etc.

▪ Specification

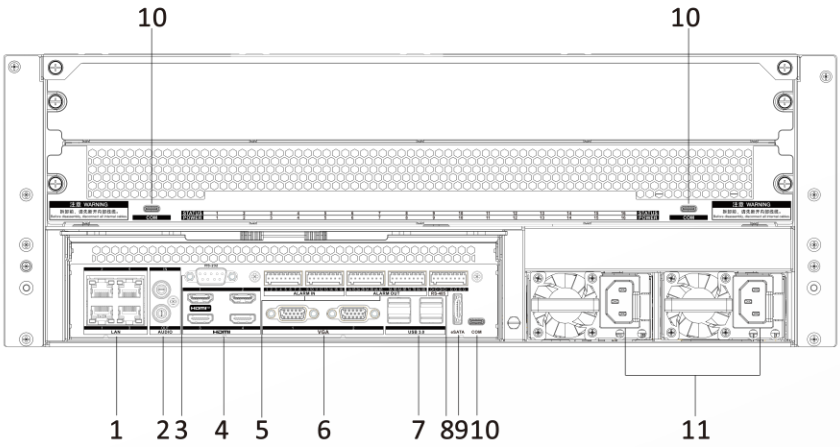
AI Open Platform Performance	
Engine	12 * KT5 , 8 for small model analysis as default , 4 for large model algorithm secondary analysis,1 engine can support 4 algorithm models at the same time
Live Video Analysis	1 engine can support up to 8 ch (8 ch @ 4 MP , 4 ch @ 8 MP)
Auto-Switch Video Analysis	1 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	128-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
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.
Synchronous Playback	16-ch
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	100 V to 240 V AC, 1200 W, redundant power supply
Consumption	≤ 420 W (without HDD)
Working Temperature	-10℃ to 50℃ (14℉ to 122℉)
Working Humidity	10% to 90%
Dimension (W × D × H)	448 mm × 573 mm × 173 mm

Weight	≤24kg (without HDD)

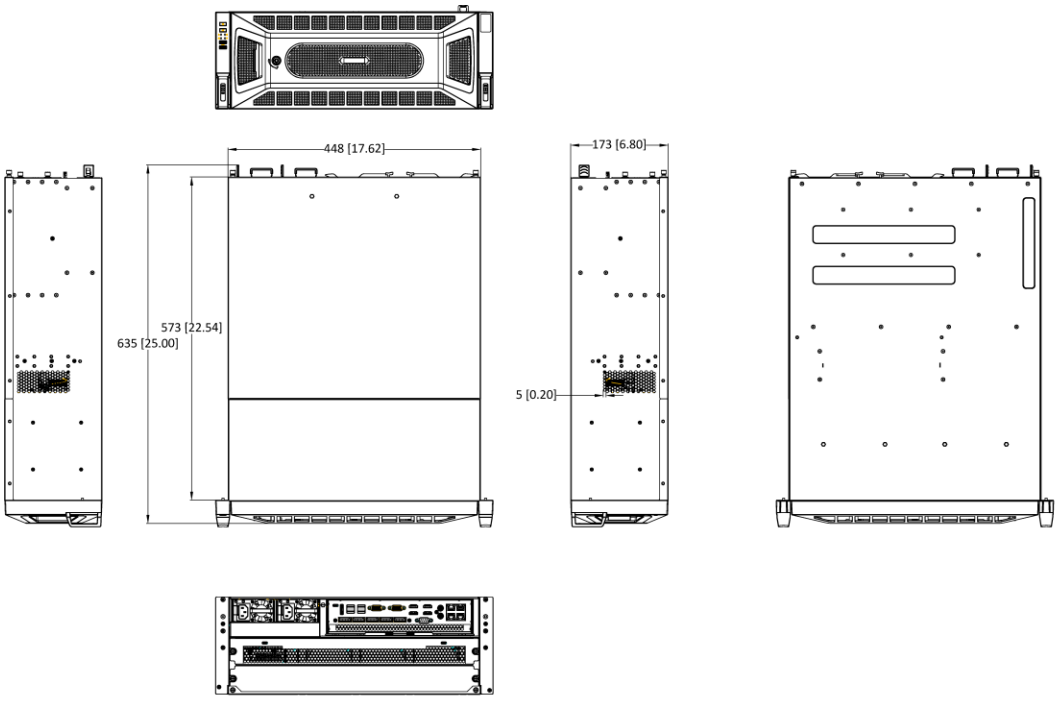
▪ Physical Interface

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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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