iDS-9664NXI-M8/AF
DeepinMind AIOP NVR





- Up to 2-ch@32 MP/2-ch@24 MP/4-ch@12 MP/8-ch@8 MP/16-ch@4 MP/32-ch@1080p decoding capacity
- H.265+/H.265/H.264+/H.264 video formats
- Up to 64-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

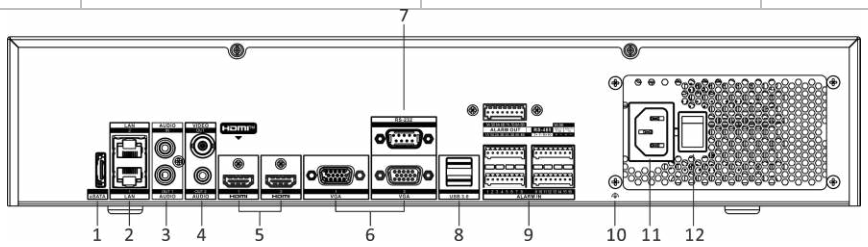
AI Open Platform Performance	
Engine	4 * KT5 ， 3 for small model analysis as default , 1 for lager model algorithm secondary analysis,1 engine can support 4 algorithm models at the same time
Live Video Analysis	1 engine can support up to 8ch,(8ch@4MP ， 4ch @8MP)
Auto-Switch Video Analysis	1 engine can support up to 16ch,(switch time between 10 to 3600 seconds)
Scheduled Capture Analysis	1 engine can support up to 16ch, (switch time between 3 to 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(32 face libraries, 100, 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	
AI Open Platform Algorithm	Detection model, Classification model, Mixed model (Detection model and Classification model), Double detection model
RAID	
RAID Type	RAID0, RAID1, RAID5, RAID6, RAID10
Video and Audio	
IP Video Input	64-ch
Incoming Bandwidth	400 Mbps
Outgoing Bandwidth	256 Mbps
Video Output Mode	HDMI1/VGA1 simultaneous output, HDMI2/VGA2 simultaneous output

HDMI Output	HDMI1：8K (7680 × 4320)/30 Hz, 4K (3840 × 2160)/60 Hz, 4K (3840 × 2160)/30 Hz, 2K (2560 × 1440)/60 Hz, 1080P (1920 × 1080)/60 Hz HDMI2：4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz *: When HDMI 1 output resolution is 8K, the maximum HDMI 2 output resolution is 1080p.
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 2-ch@32 MP/2-ch@24 MP/4-ch@12 MP/8-ch@8 MP/16-ch@4 MP/32-ch@1080P
Synchronous Playback	16-ch
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 *: After ultra HD resolution mode is enabled, the NVR supports up to 8-ch 32 MP/24 MP IP video inputs.
Network	
Remote Connection	128
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	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
Auxiliary Interface	
Ctrl 12V	Controllable 12 V DC, 1 A power output for external alarm device; The power will be turned on when the alarm output is triggered. *: The Ctrl 12V power is controlled by alarm output 9.
DC 12V	12 V DC, 1 A power output
SATA	8 SATA interfaces; 3.5-inch HDD
Capacity	Up to 20 TB capacity for each HDD
eSATA	1 eSATA interface
Serial Interface	1 RS-232, 1 RS-485 (full-duplex)
USB Interface	Front panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0
Alarm In/Out	16/9
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, 50 Hz to 60 Hz
Consumption	≤ 75 W (without HDD)

Working Temperature	-10℃ to 55℃ (14℉ to 131℉)
Working Humidity	10% to 90%
Dimension (W × D × H)	442 mm × 460 mm × 88 mm
Weight	≤ 13 kg (without HDD)

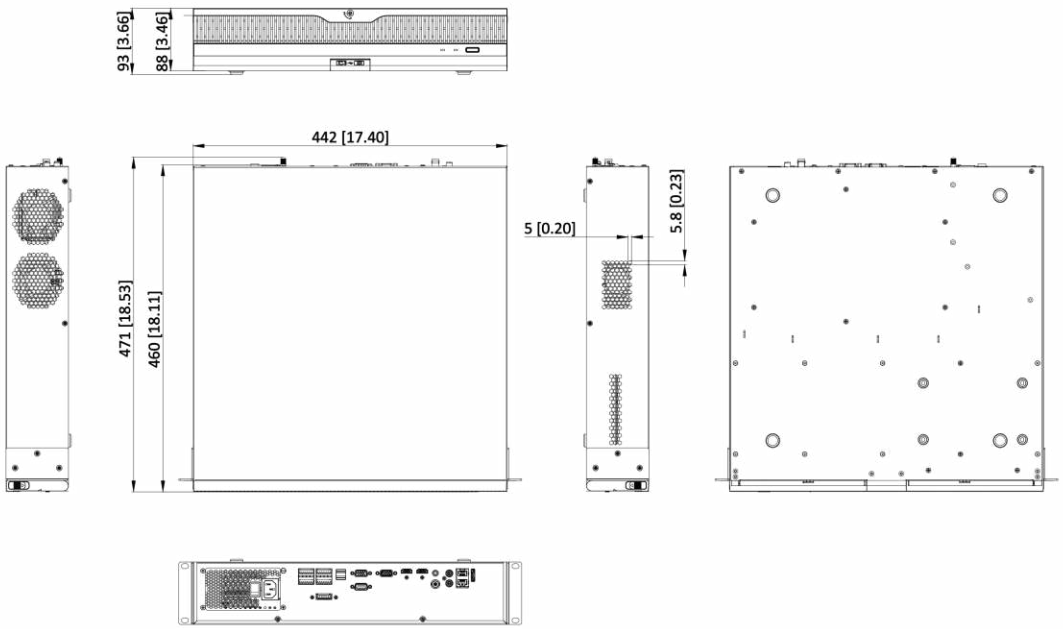
▪ Physical Interface

No.	Description	No.	Description
1	eSATA interface	7	RS-232 serial interface
2	LAN interfaces	8	USB 3.0 interfaces
3	Audio in and out	9	Alarm in, alarm out, RS-485 serial interface, Ctrl 12V and DC 12V
4	Audio out and video out	10	GND
5	HDMI 1 and HDMI 2 interfaces	11	100 to 240 VAC power supply
6	VGA 1 and VGA 2 interfaces	12	Power switch



*The physical interface diagram and outline dimension diagram only indicate the location of the power supply and do not represent the actual shape of the power supply.

▪ Dimension



Unit:mm [inch]

SCALE	1:1

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