iDS-6716NXI-M1/AF
Fusion AI Station- Analytics





- Up to 2-ch@32 MP/2-ch@24 MP/4-ch@12 MP/8-ch@8 MP/16-ch@4 MP decoding capacity
- H.265+/H.265/H.264+/H.264 video formats
- Up to 16-ch IP cameras can be connected
- Built-in 2 * KT5 , one for small model analysis as default , one for large model algorithm secondary analysis
- Built-in 2T HDD for storing alarm videos and alarm pictures
- 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.

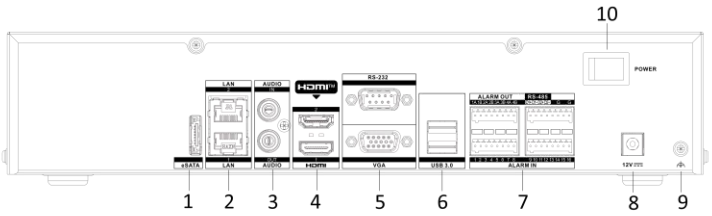
▪ Specification

AI Open Platform Performance	
Engine	2 * KT5 ， one for small model analysis as default, one 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 (16 face libraries, 100, 000 images)
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
Video and Audio	
IP Video Input	16-ch
Incoming Bandwidth	256 Mbps
Outgoing Bandwidth	256 Mbps
Video Output Mode	HDMI/VGA simultaneous output

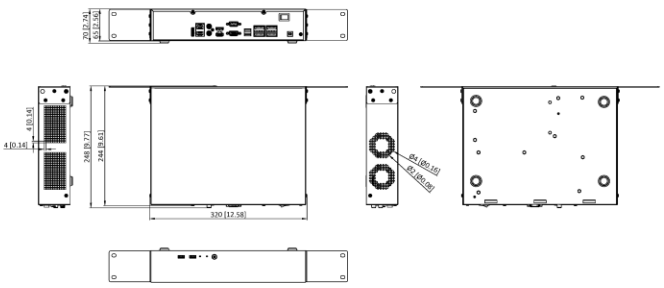
HDMI Output	HDMI1：8K (7680 × 4320)/30 Hz, 4K (3840 × 2160)/60 Hz, 4K (3840 × 2160)/30 Hz, 2K (2560 × 1440)/60 Hz, 1080P (1920 × 1080)/60 Hz HDMI2：4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz *: When HDMI 1 output resolution is 8K, the maximum HDMI 2 output resolution is 1080p.
VGA Output	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
Recording Resolution	16-ch
Synchronous Playback	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	
SATA	1 SATA interface
Capacity	Up to 16 TB capacity for each HDD,1 built-in 3.5-inch 2 TB SATA hard disk
eSATA	1 eSATA interface
Serial Interface	1 RS-232 interface, 2 RS-485 interfaces
USB Interface	Front panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0
Alarm In/Out	16/4
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	12V DC, 7.5A
Consumption	≤ 60 W (without HDD)
Working Temperature	-10℃ to 55℃ (14℉ to 131℉)
Working Humidity	10% to 90%
Dimension (W × D × H)	320 mm × 224 mm × 65 mm
Weight	≤ 4 kg (without HDD)

▪ Physical Interface

No.	Description	No.	Description
1	eSATA interface	6	USB 3.0 interfaces
2	LAN interfaces	7	Alarm in and out, RS-485
3	Audio in and out	8	12V power supply
4	HDMI interfaces	9	GND
5	RS-232 and VGA interfaces	10	Power switch



▪ Dimension



Unit:mm [inch]

SCALE	1:1

See Far, Go Further

www.hikvision.com
support@hikvision.com

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