iDS-7716NXI-M4/16P/X
16-ch 1.5U 16 PoE 8K DeepinMind NVR



- 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, plug & play with 16 power-over-Ethernet (PoE) interfaces
- Intelligent analytics based on deep learning algorithm
- Up to 16-ch perimeter protection
- Up to 16-ch facial recognition for video stream, or up to 16-ch facial recognition for face picture
- Up to 12-ch video structuralization
- Up to 8-ch IP speakers can be connected

▪ Function

Professional and Reliability

1、H.265+ compression effectively reduces the storage space by up to 75%

2、Dual-stream recording saves bandwidth

3、Adopt stream over TLS encryption technology which provides more secure stream transmission service

4、Support double verification for playback and downloading

HD Video Output

1、Provide independent HDMI and VGA outputs

2、HDMI video output at up to 8K resolution or dual 4K resolution

Storage and Playback

1、Up to 4 SATA interfaces for HDD connection

2、Up to 16-ch synchronous playback

Smart & POS Function

1、Support multiple VCA (Video Content Analytics) events

2、Configurable special camera smart functions, such as VCA detection (motion, line crossing, intrusion, etc.), heat map, ANPR (Automatic Number-Plate Recognition), and people counting

3、POS information overlay on live view and playback, and POS triggered recording and alarm

Network & Ethernet Access

1、1 self-adaptive 10/100/1000 Mbps Ethernet interface

2、Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management

3、Smooth streaming technology

4、Support web access without plug-in

▪ Specification

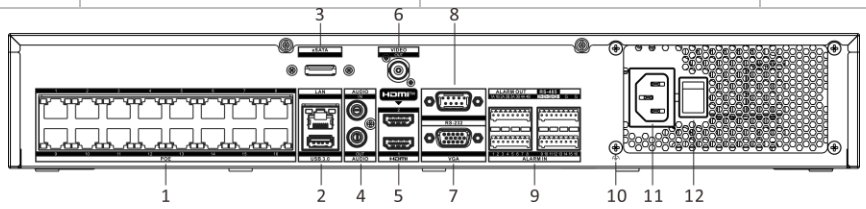
Intelligent Analytics	
AI by NVR	Facial recognition, perimeter protection, video structuralization, AcuSearch
AI by Camera	Facial recognition, perimeter protection, video structuralization, AcuSearch , motion detection2.0, ANPR, people counting, VCA
Engine	2, each engine can run an intelligent algorithm, engine mode is adjustable
AcuSearch	
By Camera	All channels, up to 691,200 targets/day The camera should enable AcuSearch function
By NVR	Up to 8-ch, up to 691,200 targets/day
Perimeter Protection	
By NVR	16-ch 4 MP or 8-ch 8 MP (Without Large Model) 12-ch 2 MP or 8-ch 4 MP or 4-ch 8 MP (With Large Model)
By Camera	All channels (powered by Large Model)
Video Structuralization	
Structured Analysis	Up to 12-ch 2 MP (6-ch for each engine) or 8-ch 4 MP or 4-ch 8 MP
Face Picture Library	Up to 16 face picture libraries, up to 100,000 face pictures in list library, up to 10,000 face pictures in stranger library, up to 5,000,000 face pictures in face capture (each picture ≤ 4 MB, total capacity ≤ 20 GB)
Face Picture Comparison	16-ch; Comparison speed: 32 pictrues per second
Target Recognition	
Facial Detection and Analytics	Face picture comparison, human face capture, face picture search
Face Picture Library	Up to 16 face picture libraries, up to 100,000 face pictures in list library, up to 10,000 face pictures in stranger library, up to 5,000,000 face pictures in face capture (each picture ≤ 4 MB, total capacity ≤ 20 GB)
Face Picture Comparison (Captured from Camera)	16-ch (8-ch for each engine); Comparison speed: 48 pictures per second
Facial Detection and Analytics Performance	Up to 16-ch 2 MP (8-ch for each engine) or 8-ch 4 MP or 4-ch 8 MP
ANPR	
By Camera	All channels
Vehicle Attributes	Vehicle brand, vehicle color, vehicle type
Plate Attributes	Plate number, license plate color, license plate type
Video and Audio	
IP Video Input	16-ch Up to 32 MP resolution
Incoming Bandwidth	256 Mbps
Outgoing Bandwidth	256 Mbps
Video Output Mode	HDMI1/VGA1 simultaneous output, HDMI1/HDMI2 independent output
CVBS Output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480
Audio Output	1-ch, RCA (Linear, 1 KΩ)
Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1 k Ω)
HDMI 1 Output	8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz

HDMI 2 Output	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	1920 × 1080/60Hz
Decoding	
Decoding Format	H.265/H.265+/H.264/H.264+
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)
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
Network	
Remote Connection	128
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
Compatible Browser	IE11, Chrome V57, Firefox V52, Safari V12, Edge V89, or above version
Network Interface	1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
Camera Access Protocol	ONVIF(Version 2.5), RTSP
PoE	
Interface	16 RJ-45 10/100 Mbps self-adaptive Ethernet interfaces
Power	≤ 200 W
Standard	IEEE 802.3 af/at
Auxiliary Interface	
SATA	4 SATA interfaces; 3.5-inch HDD
eSATA	1 eSATA interface
Capacity	Up to 20 TB capacity for each HDD
Serial Interface	1 RS-232, 2 RS-485 (half-duplex)
USB Interface	Front panel: 2 × USB 2.0; Rear panel: 1 × 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	100 to 240 VAC, 50 to 60 Hz
Consumption	≤ 50 W (without HDD and PoE off)
Working Temperature	-10 to 55°C (14 to 131° F)
Working Humidity	10 to 90%
Dimension (W × D × H)	445 × 400 ×71 mm (17.5"× 15.7" × 2.8")
Weight	≤ 5 kg (without HDD, 11 lb.)
Certification	
Obtained Certification	CE, FCC, IC, CB, KC, UL, Rohs, Reach, WEEE, RCM, UKCA, LOA, BIS
FCC	Part 15 Subpart B, ANSI C63.4-2014

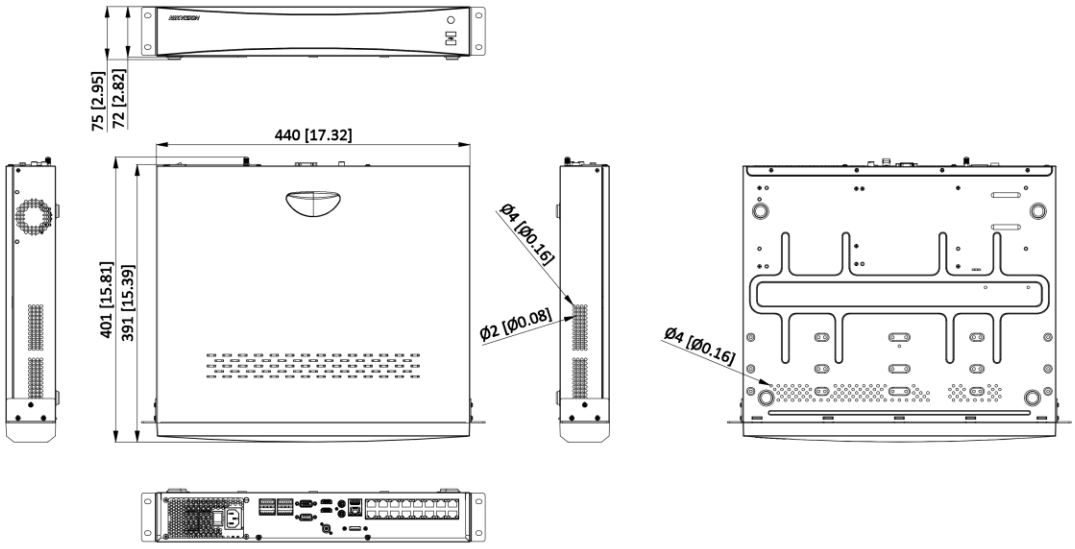
CE	EN 55032:2015+A1:2020, ENIEC61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019, EN 50130-4:2011+A1:2014, EN 55035:2017+A11:2020

▪ Physical Interface

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



▪ Dimension



Unit:mm [inch]

SCALE	1:1

See Far, Go Further

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