

DS-7716NXI-I4/S
16-ch 1.5U AcuSense 4K NVR



- H.265+/H.265/H.264+/H.264 video formats
- Intelligent analytics based on deep learning algorithm
- Up to 4-ch perimeter protection
- Up to 16-ch IP camera inputs

▪ Function

Compression and Recording

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

- Full channel IP cameras connection

HD Video Output

- Provide independent HDMI and VGA outputs

- HDMI video output at up to 4K resolution

Storage and Playback

- Up to 4 SATA interfaces for HDD connection

- 16-ch synchronous playback

Smart & POS Function

- Support multiple VCA (Video Content Analytics) events

- Smart search for the selected area in the video, and smart playback to improve the playback efficiency

- POS information overlay on live view and playback

- POS triggered recording and alarm

Network & Ethernet Access

- 2 self-adaptive 10/100/1000 Mbps Ethernet interfaces

- Hik-Connect for easy network management

▪ Specification

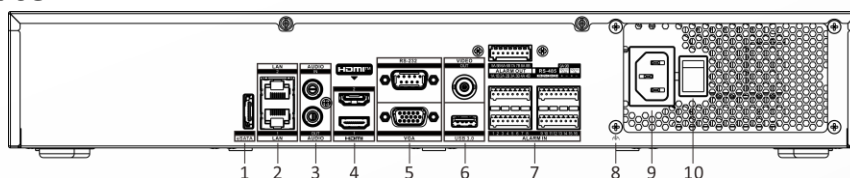
Intelligent Analytics	
AI by NVR	
AI by Camera	
Engine	
AcuSearch	
By Camera	N/A
Perimeter Protection	
By NVR	4-ch, 2 MP (H.264/H.265) video analysis for human and vehicle recognition to reduce false alarm; Up to 12 rules in total
By Camera	All channels
Target Recognition	
Facial Detection and Analytics	Face picture comparison, human face capture, face picture search
Face Attributes	
Face Picture Library	Up to 16 face picture libraries, with up to 10,000 face pictures in total (each picture ≤ 512 KB, total capacity ≤ 150MB)
Face Picture Comparison (Captured from Camera)	4-ch face picture comparison alarm
Facial Detection and Analytics Performance	1-ch human face capture (HD network camera, up to 4 MP, H.264/H.265)
Motion Detection 2.0	
By NVR	16-ch
By Camera	
ANPR	
By Camera	All channels Support Countries & Regions: 1. Myanmar, Philippines, Indonesia, Vietnam, Pakistan, New Zealand, Australia, Sri Lanka, Singapore, Malaysia 2. Turkey, Croatia, Slovakia, Czech Republic, Bulgaria, Macedonia, Hungary, Greece, Poland, France, Netherlands, Switzerland, Spain, The United Kingdom, Ireland, Germany, Italy, Austria, Palestine, Latvia, Lithuania, Estonia, Belgium, Luxembourg, Ukraine, Uzbekistan, Kazakhstan, Mongolia, Moldova, Kyrgyzstan, Azerbaijan, Georgia, Armenia, Albania, Kosovo, Belarus, Cyprus, Denmark, Finland, Malta, Portugal, Romania, Slovenia, Sweden, Israel, Bosnia and Herzegovina, Turkmenistan, Montenegro, Serbia, Tajikistan, Iceland, Liechtenstein 3. Argentina, Brazil, Chile, Colombia, Peru, Ecuador, Paraguay, Uruguay, Salvador, Bolivia, Canada, Algeria, Mexico, Panama, Costa Rica, Nigeria, Kenya, Mauritius, Tanzania, Cote d'Ivoire, South Africa, Tunisia, Sierra Leone, Zambia, Ghana, Zimbabwe, Uganda, Angola, Ethiopia, Republic of Trinidad and Tobago, Dominica, Guatemala, Senegal, Algeria, Cameroon 4. Qatar, Kuwait, Oman, Jordan, Lebanon, Iraq, United Arab Emirates, Saudi Arabia, Bahrain, Egypt, Libya
Vehicle Attributes	Vehicle brand, vehicle color, vehicle type

Plate Attributes	Plate number, license plate color, license plate type
Devices and Servers	
Heat Map Cameras	N/A
Video and Audio	
IP Video Input	16-ch Up to 12 MP resolution *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.
Incoming Bandwidth	160 Mbps
Outgoing Bandwidth	256 Mbps
HDMI 1 Output	4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI1/VGA simultaneous output
HDMI 2 Output	1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI2/VGA independent output
VGA Output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI1/VGA simultaneous output
Video Output Mode	
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 KΩ)
Decoding	
Decoding Format	H.265+/H.265/H.264+/H.264/MPEG4
Recording Resolution	16MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Synchronous Playback	16-ch
Live View Window Division	1/2/4/6/8/9/16
Aux Port Window Division	1/2/4/6/8/9/16
Decoding Capability	16-ch @ 1080p (30 fps)
Dual-Stream Recording	Support
Stream Type	Video, Video & Audio
Audio Compression	G.711ulaw/G.711alaw/G.722/G.726/MP2L2
Network	
Network Interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
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	
Compatible Browser	
Camera Access Protocol	ONVIF (Version 2.5), RTSP
Auxiliary Interface	
Serial Interface	RS-485 (half-duplex), RS-232, Keyboard
SATA	4 SATA interfaces supporting hot-plug
Capacity	Up to 10 TB capacity for each disk
eSATA	1 eSATA interface
Alarm In/Out	16/4

USB Interface	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
Ctrl 12V	
DC 12V	
General	
GUI Language	
Power Supply	100 to 240 VAC, 50 to 60 Hz
Consumption	≤ 30 W (without HDD)
Working Temperature	-10 °C to 55 °C (14 °F to 131 °F)
Working Humidity	10% to 90%
Chassis	19-inch rack-mounted 1.5U chassis
Dimension (W × D × H)	445 × 400 × 75 mm (17.5" × 15.7" × 3.0")
Weight	≤ 5.6 kg (without HDD, 12.3 lb.)
Certification	
Obtained Certification	
CE	EN 55032:2015, EN 61000-3-2, EN 61000-3-3, EN 50130-4
Cyber Security	
EN 303645	N/A
Secure Boot	N/A
Secure Component Verification SVC	N/A
Password Protection	N/A
IP & MAC Address Filtering	N/A
HTTPS Encryption	N/A
Live View & Playback Stream Encryption	N/A
IEEE802.1X(EAP-TLS) Network Access Control	N/A
Signed Firmware	N/A
Others	N/A

▪ Typical Application

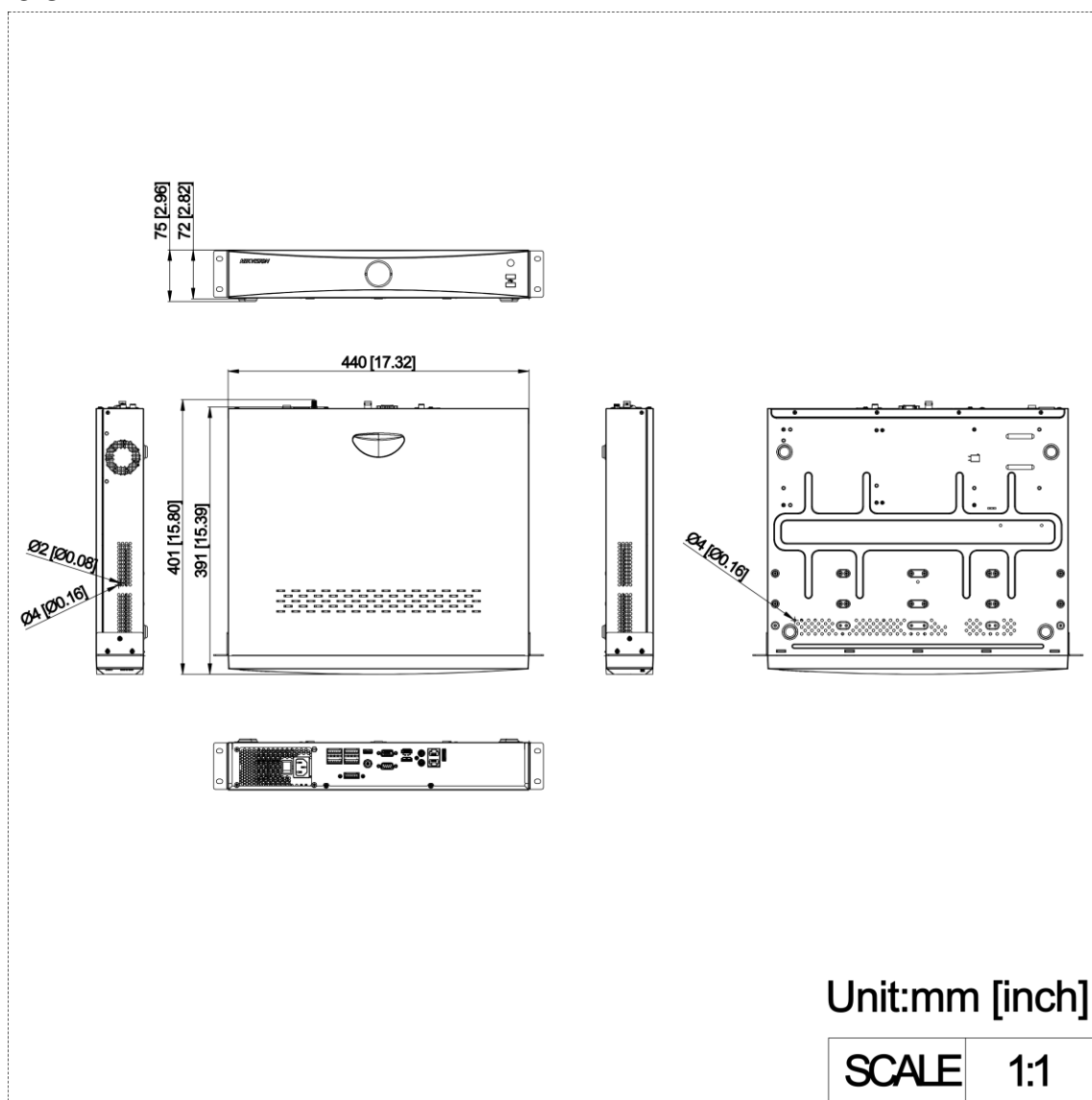
▪ Physical Interface



No.	Description	No.	Description
1	eSATA interface	6	USB 3.0 and VIDEO OUT
2	LAN 1 and LAN 2 interfaces	7	ALARM IN, ALARM OUT, RS-485, Ctrl 12V, DC 12V
3	Audio input and audio output	8	GND
4	HDMI 1 and HDMI 2 interfaces	9	100 to 240 VAC power supply

5	VGA and RS-232 interfaces	10	Power switch
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▪ Dimension



▪ Accessory

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