

DS-7616NXI-I2/16P/VPro I/VPro Series NVR with AcuSeek



- H.265+/H.265/H.264+/H.264 video formats
- Intelligent analytics based on Guanlan Large-Scale AI Models
- Up to 16-ch AcuSeek and AcuSearch function
- Up to 8-ch facial recognition for face picture
- Up to 16-ch IP camera inputs
- Up to 32-ch 1080p decoding capability

▪ 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 2 SATA interfaces for HDD connection

- 16-ch synchronous playback

Smart & POS Function

- Support multiple VCA (Video Content Analytics) events

- Integrates SmartSearch, AcuSearch, and AcuSeek functions for optimized playback efficiency

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

Network & Ethernet Access

- 16 independent PoE network interfaces

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

- Hik-Connect for easy network management

▪ Specification

Intelligent Analytics	
AI by NVR	Facial recognition, perimeter protection, motion detection 2.0
AI by NVR and Camera	Facial recognition, perimeter protection, video structuralization, AcuSearch, motion detection 2.0, ANPR, people counting, AcuSeek
Engine	2 engines. 1 is for face picture and AcuSearch. 1 is for AcuSeek
AcuSearch	
Performance	1.If the cameras support Hikvision AcuSense Technology and have enabled AcuSearch function, the NVR supports AcuSearch in all channels, capable of modeling 300,000 targets/day. 2.If the cameras support face capture, support 8-ch FacePicture Comparison 3.Max resolution : 8MP(4256*1888, 4096*2160)
AcuSeek	
Performance	1.If the cameras support Hikvision AcuSense Technology and have enabled AcuSearch function, the NVR supports AcuSeek in all channels, capable of modeling 300,000 targets/day. 2.Max resolution : 8MP(4256*1888, 4096*2160)
Search Language	English, French, Italian, German, Polish, Portuguese, Thai, Russian, Arabic, Turkish, Spanish, Dutch, Romanian, Czech, Swedish, Croatian, Latvian, Ukrainian, Hungarian, Danish, Japanese, Korean, Vietnamese, Indonesian, Brazilian Portuguese, Traditional Chinese
Perimeter Protection	
By NVR	4-ch, 2 MP (H.264/H.265) video analysis
By Camera	All channels
Target Recognition	
Face Picture Library	Up to 16 face picture libraries, with up to 50,000 face pictures in total (each picture ≤ 512 KB, total capacity ≤ 1 GB)
Face Picture Comparison	8-ch
Facial Detection and Analytics	Face picture comparison, human face capture, face picture search
Facial Detection and Analytics Performance	4-ch human face capture (HD network camera, 4-ch 2MP, 2-ch 4MP, 1-ch 8MP, H.264/H.265)
Motion Detection 2.0	
By NVR	All channels for Hikvision cameras
By Camera	All channels

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	Plate number, license plate color, license plate type
Plate Attributes	Vehicle brand, vehicle color, vehicle type
Devices and Servers	
Heat Map Cameras	heatmap data record and presentation
Video and Audio	
IP Video Input	16
Incoming Bandwidth	160 Mbps
Outgoing Bandwidth	256 Mbps
HDMI Output	4K (3840 × 2160)/30 Hz, 2K (2560 × 1440)/60 Hz, 1920 × 1080/60 Hz, 1280 × 720/60 Hz
VGA Output	1920 × 1080/60Hz, 1280 × 720/60Hz
Video Output Mode	HDMI/VGA independent output
CVBS Output	NA
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+
Recording Resolution	32 MP/24 MP/16 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF *: Support resolution width/height less than 8192 pixels, total not exceeding 32MP. *: The NVR supports up to 4-ch of >12MP IP video input, all channels for ≤12MP.
Synchronous playback	16-ch
Live View Window Division	1/4/6/8/9/16
Dual-Stream Recording	Support
Aux Port Window Division	1/4/6/8/9/16
Stream Type	Video, Video & Audio

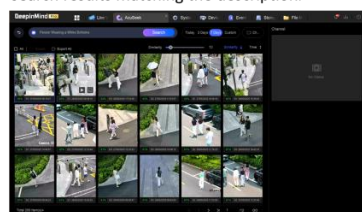
Decoding Capability	Enable AI by NVR: 20-ch@1080p (30 fps) 1-ch@32 MP (30 fps); 1-ch@24 MP (30 fps); 2-ch@16MP (30 fps); 3-ch@12MP (30 fps);5-ch@8 MP (30 fps); 6-ch@6 MP (30 fps);8-ch@5 MP (30 fps);10-ch@4 MP (30 fps);16-ch@2 MP (30 fps); Disable AI by NVR: 32-ch@1080p (30 fps) 2-ch@32 MP (30 fps); 2-ch@24 MP (30 fps); 4-ch@16MP (30 fps); 5-ch@12MP (30 fps);8-ch@8 MP (30 fps); 10-ch@6 MP (30 fps); 12-ch@5 MP (30 fps); 16-ch@4 MP (30 fps);
Audio Compression	G.711ulaw,G.711alaw,G.722,G.726,MP2L2
Network	
Network Interface	1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
Remote Connection	128
Network Protocol	TCP/IP, DHCP, IPv4, IPv6, DNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS, ONVIF, OTAP
API	ONVIF (profileS/G); SDK; ISAPI
Compatible Browser	IE11, Chrome V57, Firefox V52, Safari V12, Edge V89, or above version
PoE	
Interface	16, RJ-45 10/100 Mbps self-adaptive Ethernet interface
Power	≤ 200W
Standard	IEEE 802.3 af/at
Auxiliary Interface	
SATA	2 SATA interfaces
Capacity	Up to 20 TB capacity for each disk
Serial Interface	NA
Alarm In/Out	4/1
USB Interface	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0
General	
Power Supply	≤ 180 W
Consumption	≤ 50W(Without HDD and POE)
Working Temperature	-10°C ~ + 55°C
Working Humidity	10% ~ 90%
Chassis	1U
Dimension (W × D × H)	384 × 371 × 52 mm (15.12" × 12.48" × 2.03")
Weight	≤ 4 kg (6.6 lb)
Certification	
Obtained Certification	CE, CB, REACH, WEEE, UKCA, RCM,IC,LOA,KC
CE	EN 55032:2015, EN 61000-3-2, EN 61000-3-3, EN 50130-4
Cyber Security	
EN 303645	Support
Secure Boot	Support
Secure Component Verification SVC	Support
Password Protection	Support
IP & MAC Address Filtering	Support
HTTPS Encryption	Support

Live View & Playback Stream Encryption	Support : AES128
IEEE802.1X(EAP-TLS) Network Access Control	Support
Signed Firmware	Support
Others	Digest authentication: Support User access log : Support Centralized certificate management : Support Brute force delay protection : Support

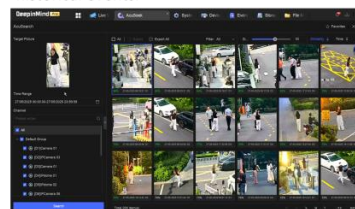
▪ Typical Application

Typical Application

① Using the AcuSeek function, users can input target characteristic descriptions to search for corresponding targets. Then system will return search results matching the description.

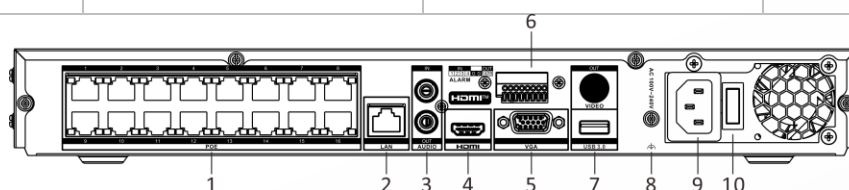


② Once the target is identified, use the AcuSearch function to retrieve all capture of the target across all channels and trace historical events.

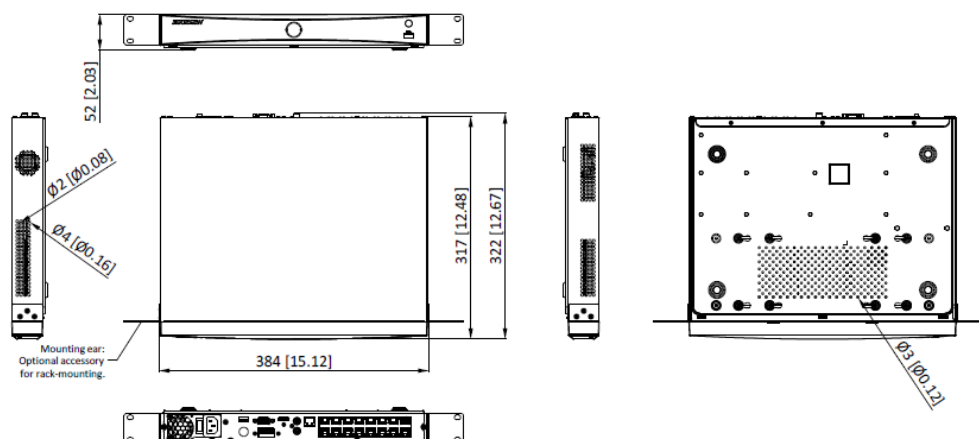


▪ Physical Interface

No.	Description	No.	Description
1	Network interfaces with POE function	6	Alarm in and out
2	LAN interface	7	USB 3.0 interface
3	Audio in and out	8	GND
4	HDMI interface	9	Power supply
5	VGA interface	10	Power switch



▪ Dimension



Unit:mm [inch]

SCALE	1:1
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