DS-8616NXI-I8-V2
16-ch 2U I Series AcuSense NVR





- H.265+/H.265/H.264+/H.264 video formats
- Intelligent analytics based on deep learning algorithm
- Up to 16-ch AcuSearch function by Camera
- Up to 4-ch perimeter protection by NVR
- Up to 4-ch facial recognition for video stream by NVR
- Up to 8-ch facial recognition for face picture by NVR
- Up to 40x1080p@30fps decoding capability by NVR
- Up to 8-ch IP speakers can be connected

▪ 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 8 SATA interfaces for HDD connection
- 16-ch synchronous playback

Smart & POS Function

- Support multiple VCA (Video Content Analytics) events
- Integrates SmartSearch, AcuSearch functions for optimized playback efficiency
- POS triggered recording and alarm, POS information overlay on live view and playback

Network & Ethernet Access

- 2 self-adaptive 10/100/1000 Mbps Ethernet interfaces
- Hik-Connect for easy network management

▪ Specification

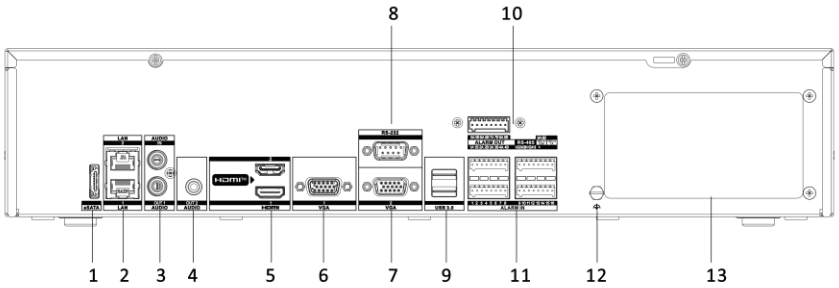
Intelligent Analytics	
AI by NVR	Target Recognition, Perimeter Protection,AcuSearch
AI by Camera	Target Recognition, Perimeter Protection, Video Structuralization, Throwing Objects from Building, Motion Detection 2.0, ANPR, People Counting, VCA
AcuSearch	
By NVR	Not Support
By Camera	AcuSense IPC All channels
Performance	Capabilities of modeling 300,000 targets/day.
Perimeter Protection	
By NVR	4-ch, 2 MP (H.264/H.265);2-ch, 4 MP (H.264/H.265);1-ch, 8 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 Picture Library	Up to 16 face picture libraries, with up to 50,000 face pictures in total (each picture ≤ 4 MB, Resolution: 80×80 to 4096×4096 , total capacity ≤ 1 GB)
Face Picture Comparison	8-ch Comparison speed: 15 pictures per second
Facial Detection and Analytics Performance	4-ch 2MP;2-ch 4MP;1-ch 8MP human face capture (HD network camera, up to 8 MP, H.264/H.265)
Motion Detection 2.0	
By NVR	Not Support
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	Vehicle brand, vehicle color, vehicle type
Plate Attributes	Plate number, license plate color, license plate type
Video and Audio	
IP Video Input	16 channels

Incoming Bandwidth	160 Mbps
Outgoing Bandwidth	256 Mbps
Incoming Bandwidth (RAID Mode)	160Mbps
Outgoing Bandwidth (RAID mode)	256 Mbps
TLS outgoing bandwidth	N/A
HDMI 1 Output	4K (3840×2160) /30Hz , 2K (2560×1440) /60Hz , 1080P (1920×1080) /60Hz , 720P(1280*720)/60Hz
HDMI 2 Output	4K (3840×2160) /60Hz , 4K (3840×2160) /30Hz , 2K (2560×1440) /60Hz , 1080P (1920×1080) /60Hz , 720P(1280*720)/60Hz
HDMI Output	N/A
VGA 1 Output	1080P (1920×1080) /60Hz , 720P(1280*720)/60Hz
VGA 2 Output	1080P (1920×1080) /60Hz , 720P(1280*720)/60Hz
VGA Output	N/A
Video Output Mode	HDMI1/VGA1 simultaneous output, HDMI2/VGA2 simultaneous output,HDMI1/HDMI2 independent output
CVBS Output	N/A
Audio Output	2-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	32MP/24MP/16MP/12MP/8MP/7MP/6MP/5MP/4MP/3MP/1080p/UXGA/720p/VGA/ 4CIF/DCIF/2CIF/CIF/QCIF *: The NVR supports up to 4-ch 32 MP/24 MP/16 MP IP video inputs.
Playback Mode	Synchronous
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	Enable AI by NVR: 20-ch@1080p (30 fps) Disable AI by NVR: 40-ch@1080p (30 fps)
Stream Type	Video, Video & Audio
Dual-stream	Support
Audio Compression	G.711ulaw/G.711alaw/G.722/G.726/AAC/MP2L2/PCM
Network	
Network Interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
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
Remote Connection	128
Compatible Browser	IE11, Chrome V57, Firefox V52, Safari V12, Edge V89, or above version
Camera Access Protocol	HIKVISION,ONVIF(Version 2.5), RTSP
PoE	
Interface	N/A
Power	N/A

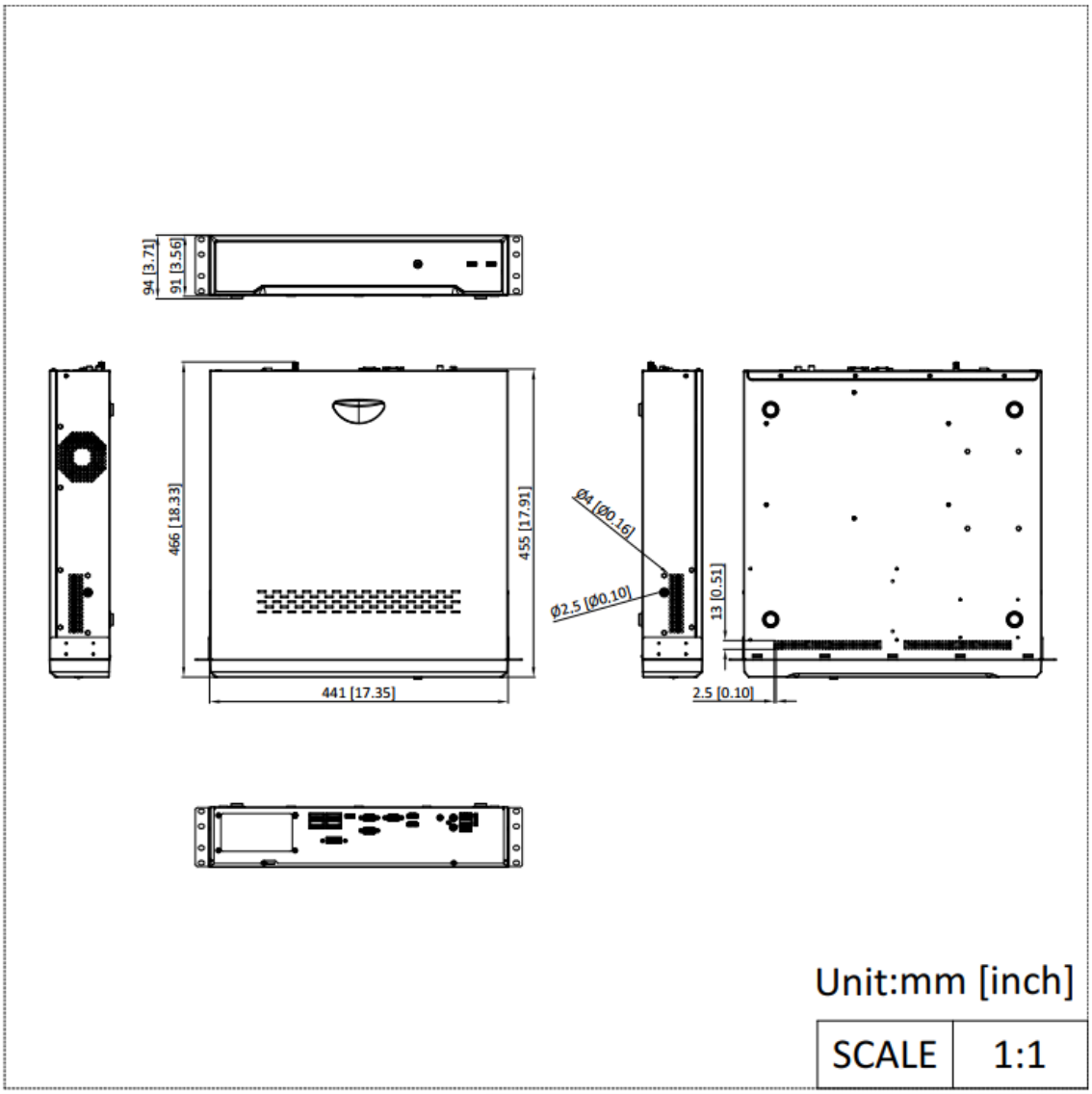
Standard	N/A
RAID	
RAID Type	RAID0、RAID1、RAID5、RAID6、RAID10
Auxiliary Interface	
eSATA	1 eSATA interface
SATA	8 SATA interfaces supporting hot-plug
Capacity	Up to 16 TB capacity for each disk
Serial Interface	2 RS-485 (half-duplex), 1 RS-232
Alarm In/Out	16/9
USB Interface	Front panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0
Ctrl 12V	Controllable 12 VDC, 0.5A 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 VDC, 1 A power output
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, Hebrew
Power Supply	100 to 240 VAC, 50 to 60 Hz, 150W
Consumption	≤ 15 W (without HDD)
Working Temperature	-10 °C to 55 °C (14 °F to 131 °F)
Working Humidity	10% to 90%
Chassis	2U
Material	Metal
Dimension (W × D × H)	441mm(w)× 445mm(d)× 91mm(h)(17.36" × 17.52" × 3.58")
Weight	≤7.1kg
Certification	
Obtained Certification	CE、CB、UKCA、RCM、LOA、REACH、WEEE、运输鉴定、KC
FCC	N/A
CE	EN 55032:2015, EN 61000-3-2, EN 61000-3-3, EN 50130-4

▪ Physical Interface

No.	Description	No.	Description
1	eSATA interface	8	RS-232 interface
2	LAN 1 and LAN 2 interfaces	9	USB 3.0 interface
3	AUDIO IN/OUT 1	10	ALARM OUT, RS-485, Ctrl 12 V and DC 12 V
4	AUDIO OUT 2	11	ALARM IN
5	HDMI 1 and HDMI 2 interfaces	12	GND
6	VGA 1 Interface	13	Power Supply
7	VGA 2 Interface		


8
10
1
2
3
4
5
6
7
9
11
12
13

▪ Dimension


94 [3.71]
91 [3.56]
466 [18.33]
455 [17.91]
441 [17.35]
Ø4 [Ø0.16]
Ø2.5 [Ø0.10]
13 [0.51]
2.5 [0.10]
Unit:mm [inch]
SCALE
1:1

See Far, Go Further

www.hikvision.com
support@hikvision.com

© Hangzhou Hikvision Digital Technology Co., Ltd. Unless otherwise agreed, Hikvision makes no warranties, express or implied. We reserve the right to introduce modifications without notice.

HIKVISION®