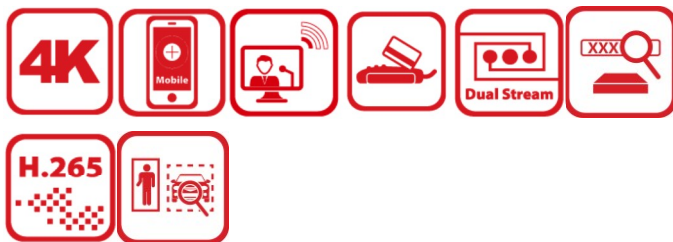


## DS-9616NXI-I8/VPro I/VPro Series NVR with AcuSeek



- 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
- 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, and AcuSeek 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                                  | 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                                | <p>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.</p> <p>2.If the cameras support face capture, support 8-ch FacePicture Comparision</p> <p>3.Max resolution : 8MP(4256*1888, 4096*2160)</p> |
| AcuSeek                                    |                                                                                                                                                                                                                                                                                                                                |
| Performance                                | <p>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.</p> <p>2.Max resolution : 8MP(4256*1888, 4096*2160)</p>                                                                                      |
| 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 ≤ 4 MB, 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                                                                                                                                                                                                                                                                                                                   |

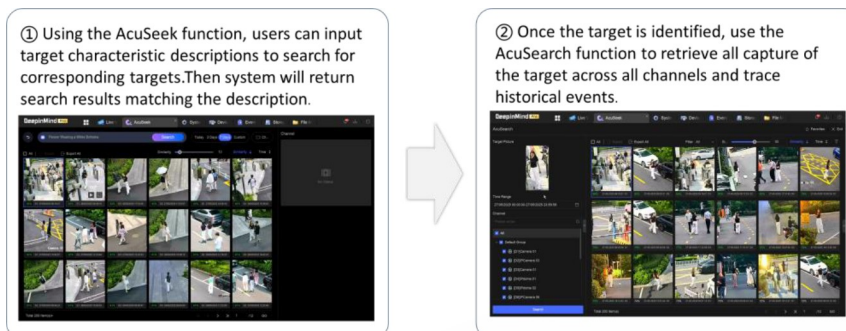
| ANPR                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| By Camera            | <p>All channels</p> <p>Support Countries &amp; Regions:</p> <ol style="list-style-type: none"> <li>1. Myanmar, Philippines, Indonesia, Vietnam, Pakistan, New Zealand, Australia, Sri Lanka, Singapore, Malaysia</li> <li>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</li> <li>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</li> <li>4. Qatar, Kuwait, Oman, Jordan, Lebanon, Iraq, United Arab Emirates, Saudi Arabia, Bahrain, Egypt, Libya</li> </ol> |
| 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-ch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Incoming Bandwidth   | 160 Mbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Outgoing Bandwidth   | 256 Mbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Video Output Mode    | HDMI1/VGA1 simultaneous output, HDMI2/VGA2 simultaneous output                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| CVBS Output          | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Audio Output         | 2-ch, RCA (Linear, 1 KΩ)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Two-Way Audio        | 1-ch, RCA (2.0 Vp-p, 1 KΩ)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| HDMI 1 Output        | 4K ( 3840×2160 ) /30Hz , 2K ( 2560×1440 ) /60Hz , 1080P ( 1920×1080 ) /60Hz , 720P ( 1280×720 ) /60Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| HDMI 2 Output        | 1080P ( 1920×1080 ) /60Hz , 720P ( 1280×720 ) /60Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| VGA 1 Output         | 1080P ( 1920×1080 ) /60Hz , 720P ( 1280×720 ) /60Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| VGA 2 Output         | 1080P ( 1920×1080 ) /60Hz , 720P ( 1280×720 ) /60Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Decoding             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Decoding Format      | H.265+, H.265, H.264+, H.264                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Recording Resolution | <p>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</p> <p>*: Support resolution width/height less than 8192 pixels, total not exceeding 32MP.</p> <p>*: The NVR supports up to 4-ch of &gt;12MP IP video input, all channels for ≤12MP.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 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        | <p>Enable AI by NVR: 20-ch@1080p (30 fps)<br/> 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);</p> <p>Disable AI by NVR: 32-ch@1080p (30 fps)<br/> 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);</p> |
| Audio Compression          | G.711ulaw/G.711alaw/G.722/G.726/AAC/MP2L2/PCM                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Dual-Stream Recording      | Support                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Stream Type                | Video, Video & Audio                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Network</b>             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Network Interface          | 2, 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 (profile S/G); SDK; ISAPI                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Compatible Browser         | IE11, Chrome V57, Firefox V52, Safari V12, Edge V89, or above version                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RAID</b>                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| RAID Type                  | RAID0, RAID1, RAID5, RAID6, RAID10<br>The RAID function and AI functions cannot be enabled simultaneously.                                                                                                                                                                                                                                                                                                                                                     |
| <b>Auxiliary Interface</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Serial Interface           | 1 RS-232, 1 RS-485 (full-duplex)                                                                                                                                                                                                                                                                                                                                                                                                                               |
| SATA                       | 8 SATA interfaces, Hot swap.                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Capacity                   | Up to 20 TB capacity for each disk                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Alarm In/Out               | 16/9                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| eSATA                      | 1 eSATA interface                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| USB Interface              | Front panel: 2× USB 2.0; Rear panel: 2 × USB 3.0                                                                                                                                                                                                                                                                                                                                                                                                               |
| Ctrl 12V                   | Controllable 12 VDC, 1 A 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                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>General</b>             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Power Supply               | 100 to 240 VAC, 50 to 60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| GUI Language               | English, Russian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Turkish, Japanese, Danish, Swedish, Norwegian, Finnish, Korean, Traditional Chinese, Thai, Estonian, Vietnamese, Croatian, Slovenian, Serbian, Latvian, Lithuanian, Uzbek, Kazakh, Arabic, Ukrainian, Kyrgyz, Brazilian Portuguese, Indonesian, Hebrew                                                                    |
| Consumption                | ≤ 50 W (without HDD)                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Working Temperature        | -10 °C to 55 °C (14 °F to 131 °F)                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Working Humidity           | 10% to 90%                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Chassis                    | 2U chassis                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Dimension (W × D × H)      | 442 x 462 x 88 mm ( 17.4" x 18.17" x 3.46" )                                                                                                                                                                                                                                                                                                                                                                                                                   |

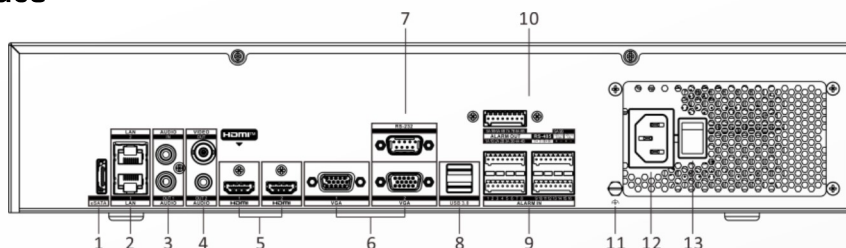
|                                            |                                                                                                                                                       |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Weight                                     | ≤7.1 kg (without HDD, 15.65 lb.)                                                                                                                      |
| <b>Certification</b>                       |                                                                                                                                                       |
| Obtained Certification                     | CE, CB, REACH, WEEE, UKCA, RCM, IC, LOA, KC                                                                                                           |
| CE                                         | EN 55032, EN 61000-3-2, EN 61000-3-3, EN 55035, EN 50130-4                                                                                            |
| <b>Cyber Security</b>                      |                                                                                                                                                       |
| 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<br>User access log : Support<br>Centralized certificate management : Support<br>Brute force delay protection : Support |

## ▪ Typical Application

### Typical Application



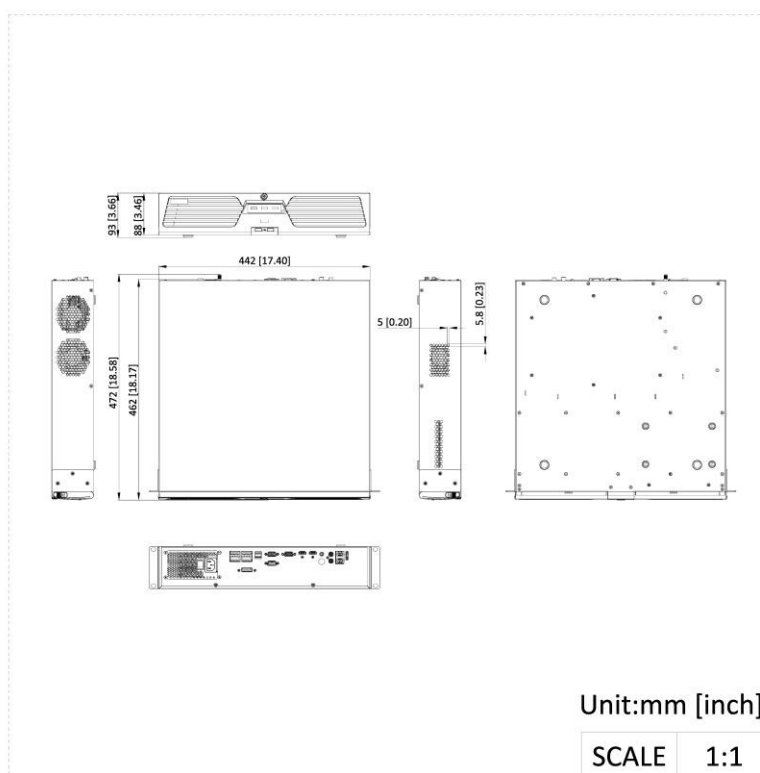
## ▪ Physical Interface



| No. | Description         | No. | Description                            |
|-----|---------------------|-----|----------------------------------------|
| 1   | eSATA interface     | 8   | USB 3.0 interface                      |
| 2   | LAN1/LAN2 interface | 9   | ALARM IN                               |
| 3   | AUDIO IN/OUT        | 10  | ALARM OUT, RS-485, Ctrl 12 V and DC 12 |

|   |                          |    |                                |
|---|--------------------------|----|--------------------------------|
|   |                          |    | V                              |
| 4 | AUDIO/VIDEO<br>OUT       | 11 | GND                            |
| 5 | HDMI1/HDMI2<br>interface | 12 | 100 to 240 VAC<br>power supply |
| 6 | VGA1/VGA2<br>Interface   | 13 | Power switch                   |
| 7 | RS-232 interface         |    |                                |

## Dimension



# See Far, Go Further



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