

## DS-7716NXI-I4/16P/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
- 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 4 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.<br>2.If the cameras support face capture, support 8-ch FacePicture Comparison       |
| AcuSeek                                    |                                                                                                                                                                                                                                                                      |
| Performance                                | 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.                                                                                         |
| 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                                                                                                                                                                                                                                                         |
| Facial 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, up to 8 MP, H.264/H.265)                                                                                                                                                                                                 |
| Motion Detection 2.0                       |                                                                                                                                                                                                                                                                      |
| By NVR                                     | All channels for Hikvision cameras                                                                                                                                                                                                                                   |
| By Camera                                  | All channels                                                                                                                                                                                                                                                         |

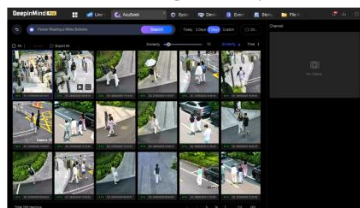
| ANPR                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Incoming Bandwidth        | 192 Mbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Outgoing Bandwidth        | 256 Mbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| HDMI Output               | <p>HDMI1: 4K (3840 × 2160) / 30 Hz, 2K (2560 × 1440) / 60 Hz, 1920 × 1080 / 60 Hz, 1280 × 720 / 60 Hz</p> <p>HDMI2: 1920 × 1080 / 60 Hz, 1280 × 720 / 60 Hz</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 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      | <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.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Synchronous playback      | 16-ch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Dual-Stream Recording     | Support                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Live View Window Division | 1/4/6/8/9/16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Stream Type               | Video, Video & Audio                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Aux Port Window Division   | 1/4/6/8/9/16                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 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,MP2L2                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Network</b>             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 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 (profile S/G); SDK; ISAPI                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Compatible Browser         | IE11, Chrome V57, Firefox V52, Safari V12, Edge V89, or above version                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>PoE</b>                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Interface                  | 16, RJ-45 10/100 Mbps self-adaptive Ethernet interface                                                                                                                                                                                                                                                                                                                                                                                                         |
| Power                      | ≤ 200W                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Standard                   | IEEE 802.3 af/at                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Auxiliary Interface</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| SATA                       | 4 SATA interfaces                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Capacity                   | Up to 20 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: 1 × USB 3.0                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>General</b>             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Power Supply               | ≤ 200 W                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Consumption                | ≤ 50W(Without HDD and POE)                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Working Temperature        | -10°C ~ + 55°C                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Working Humidity           | 10% ~ 90%                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Chassis                    | 1.5U                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Dimension (W × D × H)      | 440 x 391 x 72 mm ( 17.32" x 15.39" x 2.81" )                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Weight                     | ≤5 kg (without HDD, 11.02 lb.)                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Certification</b>       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 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                                                                                                                                                                                                                                                                                                                                                                                                          |

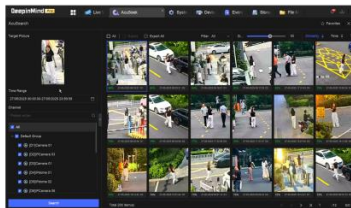
## ▪ Typical Application

Typical Application

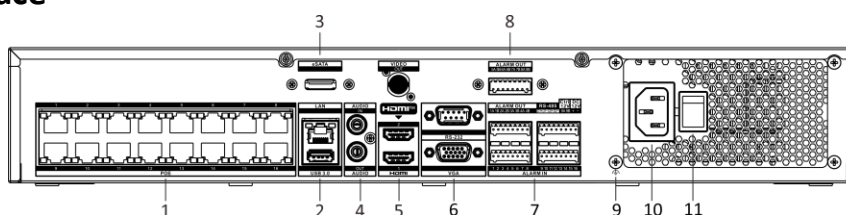
① Using the AcuSeek function, users can input target characteristic descriptions to search for corresponding targets. Then system will return search results matching the description.



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

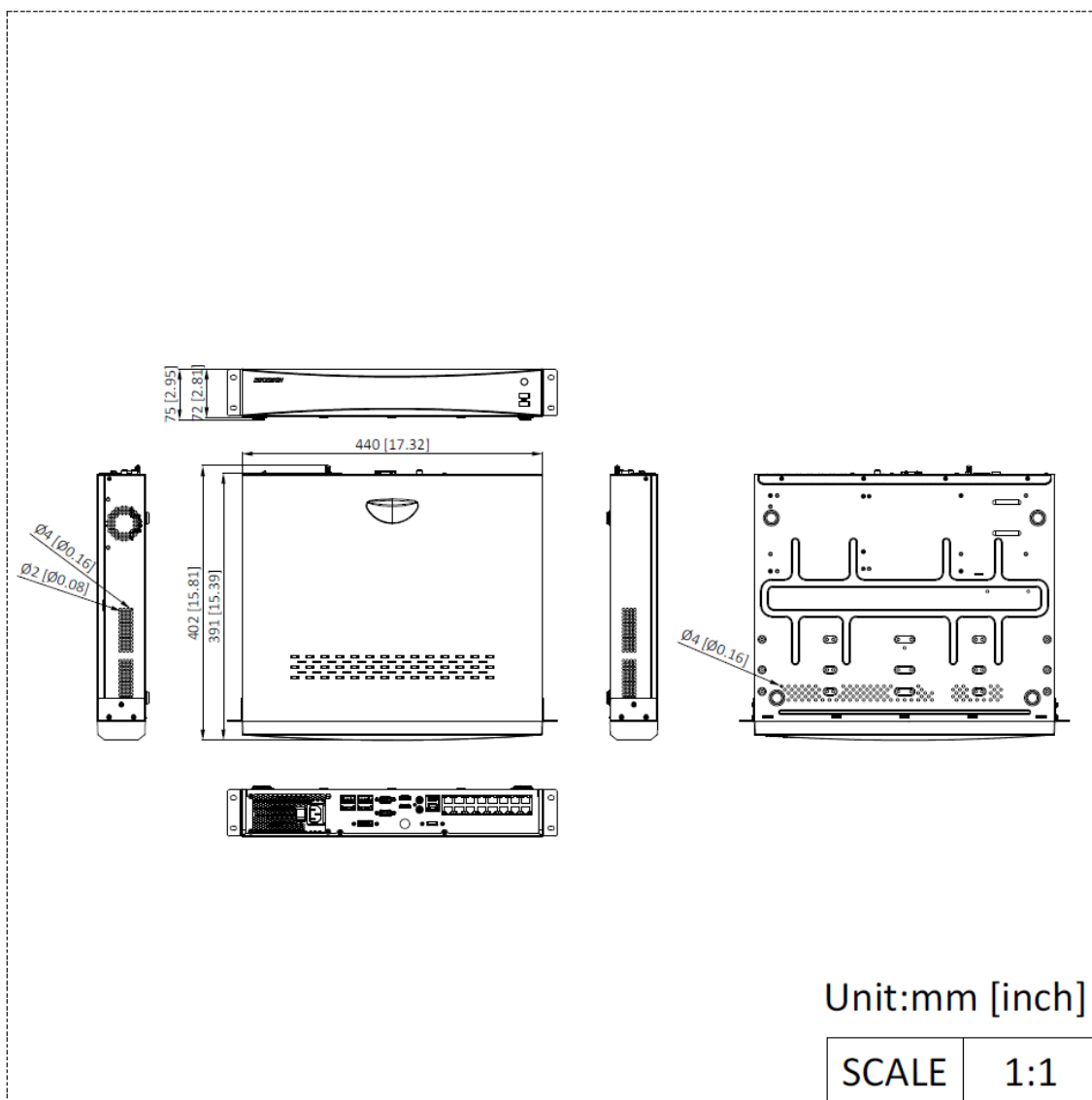


## Physical Interface



| No. | Description                          | No. | Description                                    |
|-----|--------------------------------------|-----|------------------------------------------------|
| 1   | Network interfaces with POE function | 7   | Alarm in and out, RS-485, Ctrl 12V, and DC 12V |
| 2   | LAN and USB 3.0 interfaces           | 8   | Alarm out                                      |
| 3   | eSATA interface                      | 9   | GND                                            |
| 4   | Audio in and out                     | 10  | Power supply                                   |
| 5   | HDMI interfaces                      | 11  | Power switch                                   |
| 6   | RS-232 and VGA interfaces            |     |                                                |

## Dimension



# See Far, Go Further



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