

## DS-7616NXI-I2/VPro AcuSeek NVR



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

## ▪ Function

### Compression and Recording

- H.265+ compression effectively reduces the storage space by up to 75%
- Full channel IP cameras connection
- Compatible to third-party network cameras

### HD Video Output

- Provide independent HDMI and VGA outputs
- HDMI video output at up to 4K resolution

### Storage and Playback

- Up to 2 SATA interfaces for HDD connection
- 8-ch synchronous playback

### Smart & POS Function

- Support multiple VCA (Video Content Analytics) events
- Supports AcuSearch and acuseek, allowing users to free text search events and targets.
- Smart search for the selected area in the video, and smart playback to improve the playback efficiency
- POS information overlay on live view and playback
- POS triggered recording and alarm

### Network & Ethernet Access

- 2 self-adaptive 10/100/1000 Mbps Ethernet interfaces
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management

## ▪ Specification

| Intelligent Analytics                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AI by NVR                                  | Facial recognition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 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, 4-ch 2MP, 2-ch 4MP, 1-ch 8MP, H.264/H.265)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| AcuSearch                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Performance                                | 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| ANPR                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| By Camera                                  | <p>All channels</p> <p>Support Countries &amp; Regions:</p> <ol style="list-style-type: none"> <li>Myanmar, Philippines, Indonesia, Vietnam, Pakistan, New Zealand, Australia, Sri Lanka, Singapore, Malaysia</li> <li>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>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>Qatar, Kuwait, Oman, Jordan, Lebanon, Iraq, United Arab Emirates, Saudi Arabia, Bahrain, Egypt, Libya</li> </ol> |

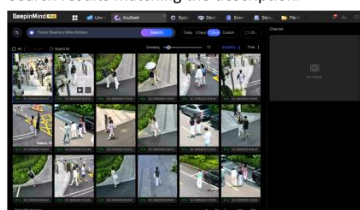
|                            |                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Vehicle Attributes         | Plate number, license plate color, license plate type                                                                                                                                                                                                                                                                                                                                       |
| Plate Attributes           | Vehicle brand, vehicle color, vehicle type                                                                                                                                                                                                                                                                                                                                                  |
| <b>Video and Audio</b>     |                                                                                                                                                                                                                                                                                                                                                                                             |
| IP Video Input             | 16-ch                                                                                                                                                                                                                                                                                                                                                                                       |
| Incoming Bandwidth         | 192 Mbps                                                                                                                                                                                                                                                                                                                                                                                    |
| Outgoing Bandwidth         | 256 Mbps                                                                                                                                                                                                                                                                                                                                                                                    |
| HDMI Output                | 4K (3840 × 2160)/30 Hz, 2K (2560 × 1440)/60 Hz, 1920 × 1080/60 Hz, 1280 × 720/60 Hz                                                                                                                                                                                                                                                                                                         |
| VGA Output                 | 1920 × 1080/60 Hz, 1280 × 720/60 Hz                                                                                                                                                                                                                                                                                                                                                         |
| 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)                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Decoding</b>            |                                                                                                                                                                                                                                                                                                                                                                                             |
| Decoding Format            | H.265+, H.265, H.264+, H.264                                                                                                                                                                                                                                                                                                                                                                |
| Recording Resolution       | 32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF<br>*: The NVR supports up to 4-ch 32 MP/24 MP IP video inputs.                                                                                                                                                                                                                                       |
| Synchronous playback       | 16-ch                                                                                                                                                                                                                                                                                                                                                                                       |
| Live View Window Division  | 1/2/4/6/8/9/16                                                                                                                                                                                                                                                                                                                                                                              |
| Aux Port Window Division   | 1/2/4/6/8/9/16                                                                                                                                                                                                                                                                                                                                                                              |
| Decoding Capability        | Enable AI by NVR: 20-ch@1080p (30 fps)<br>Disable AI by NVR: 32-ch@1080p (30 fps)                                                                                                                                                                                                                                                                                                           |
| Dual-Stream Recording      | Support                                                                                                                                                                                                                                                                                                                                                                                     |
| Audio Compression          | G.711ulaw/G.711alaw/G.722/G.726/AAC/MP2L2/PCM                                                                                                                                                                                                                                                                                                                                               |
| 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, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS, ONVIF (Version 2.2), OTAP                                                                                                                                                                                                                                                           |
| API                        | ONVIF (profile S/G); SDK; ISAPI                                                                                                                                                                                                                                                                                                                                                             |
| Compatible Browser         | IE11, Chrome V57, Firefox V52, Safari V12, Edge V89, or above version                                                                                                                                                                                                                                                                                                                       |
| Camera Access Protocol     | ONVIF (Version 2.5), RTSP                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Auxiliary Interface</b> |                                                                                                                                                                                                                                                                                                                                                                                             |
| SATA                       | 2 SATA interfaces                                                                                                                                                                                                                                                                                                                                                                           |
| Capacity                   | Up to 20 TB capacity for each disk                                                                                                                                                                                                                                                                                                                                                          |
| Alarm In/Out               | 4/1                                                                                                                                                                                                                                                                                                                                                                                         |
| USB Interface              | Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0                                                                                                                                                                                                                                                                                                                                           |
| <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                | 1U chassis                                            |
| Dimension (W × D × H)  | 384 × 371 × 52 mm ( 15.12" × 12.48" × 2.03" )         |
| Weight                 | ≤4 kg (without HDD, 5.5 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 |

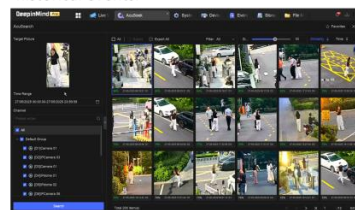
## ▪ Typical Application

### 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.

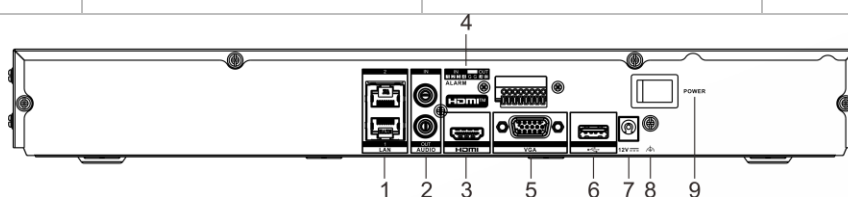


② Once the target is identified, use the AcuSearch function to retrieve all capture of the target across all channels and trace historical events.



## ▪ Physical Interface

| No. | Description      | No. | Description      |
|-----|------------------|-----|------------------|
| 1   | LAN interfaces   | 6   | USB interface    |
| 2   | Audio in and out | 7   | 12V power supply |
| 3   | HDMI interface   | 8   | GND              |
| 4   | Alarm in and out | 9   | Power switch     |
| 5   | VGA interface    |     |                  |



## ▪ Available Model

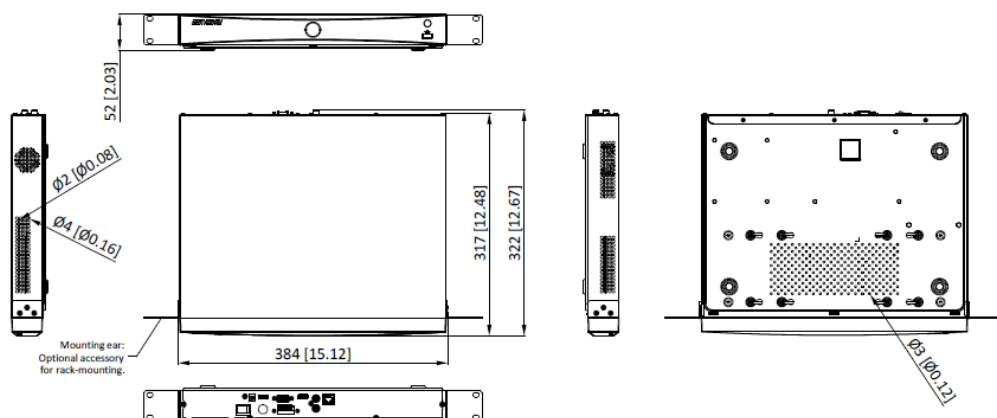
DS-7616NXI-I2/VPro(NEU)

DS-7616NXI-I2/VPro(STD)

DS-7616NXI-I2/VPro(废弃)

DS-7616NXI-I2/VPro(STD)/CA Branch

## ▪ Dimension



Unit:mm [inch]

|       |     |
|-------|-----|
| SCALE | 1:1 |
|-------|-----|

# See Far, Go Further



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