

## DS-7616NXI-I2/16P/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 at up to 1080p resolution

### 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

- 8 independent PoE network interfaces
- 1 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, up to 8 MP, 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                                                                                                                                                                        |
| ANPR                                       |                                                                                                                                                                                |
| By Camera                                  | All channels                                                                                                                                                                   |
| Vehicle Attributes                         | Plate number, license plate color, license plate type                                                                                                                          |
| Plate Attributes                           | Vehicle brand, vehicle color, vehicle type                                                                                                                                     |
| Video and Audio                            |                                                                                                                                                                                |
| IP Video Input                             | 16                                                                                                                                                                             |
| 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 × 1080/60Hz, 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+, MPEG4                                                                                                                                            |
| Recording Resolution                       | 32MP/24MP/12MP/8MP/7MP/6MP/5MP/4MP/3MP/1080p/UXGA/720p/VGA/4CIF/D<br>CIF/2CIF/CIF/QCIF                                                                                         |
| Synchronous playback                       | 16-ch                                                                                                                                                                          |
| Live View Window Division                  | 1/4/6/8/9/16                                                                                                                                                                   |
| Dual-Stream Recording                      | Support                                                                                                                                                                        |
| Aux Port Window Division                   | 1/4/6/8/9/16                                                                                                                                                                   |
| Stream Type                                | Video, Video & Audio                                                                                                                                                           |

|                            |                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------|
| Decoding Capability        | Enable AI by NVR: 20-ch@1080p (30 fps)<br>Disable AI by NVR: 32-ch@1080p (30 fps) |
| 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                        |
| <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                       | 2 SATA interfaces                                                                 |
| Capacity                   | Up to 20 TB capacity for each disk                                                |
| Serial Interface           | NA                                                                                |
| Alarm In/Out               | 4/1                                                                               |
| USB Interface              | Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0                                 |
| <b>General</b>             |                                                                                   |
| Power Supply               | ≤ 180 W                                                                           |
| Consumption                | ≤ 50W                                                                             |
| Working Temperature        | -10°C ~ + 55°C                                                                    |
| Working Humidity           | 10% ~ 90%                                                                         |
| Chassis                    | 1U                                                                                |
| Dimension (W × D × H)      | 384 × 371 × 52 mm ( 15.12" × 12.48" × 2.03" )                                     |
| Weight                     | ≤ 4 kg (6.6 lb)                                                                   |
| <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.



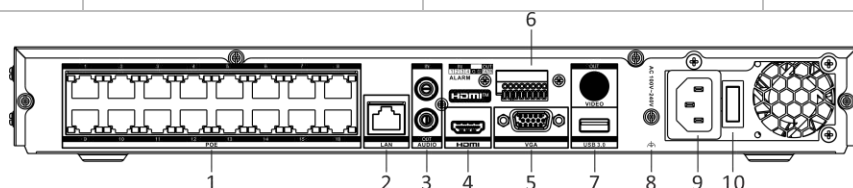
② Once the target is identified, use the AcuSearch function to retrieve all capture of the target across all channels and trace historical events.



## ▪ Physical Interface

| No. | Description                          | No. | Description       |
|-----|--------------------------------------|-----|-------------------|
| 1   | Network interfaces with POE function | 6   | Alarm in and out  |
| 2   | LAN interface                        | 7   | USB 3.0 interface |
| 3   | Audio in and out                     | 8   | GND               |

|   |                |    |              |
|---|----------------|----|--------------|
| 4 | HDMI interface | 9  | Power supply |
| 5 | VGA interface  | 10 | Power switch |



## ▪ Available Model

DS-7616NXI-I2/16P/VPro(废弃)

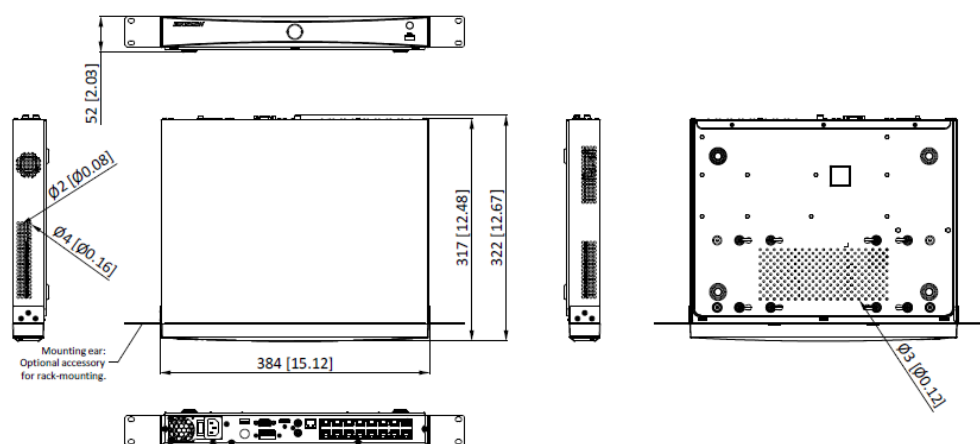
DS-7616NXI-I2/16P/VPro(STD)

DS-7616NXI-I2/16P/VPro(NEU)

DS-7616NXI-I2/16P/VPro(STD)/AUS/4T

DS-7616NXI-I2/16P/VPro(STD)/AUS/6T

## ▪ Dimension



Unit:mm [inch]

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

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[support@hikvision.com](mailto:support@hikvision.com)

