

## DS-7616NXI-K2/16P (D) 16-ch PoE 1U K Series AcuSense 4K NVR

### Key Feature

- Up to 16-ch IP camera inputs, plug & play with 16 power-over-Ethernet (PoE) interfaces
- H.265+/H.265/H.264+/H.264 video formats
- Up to 2-ch@12 MP or 4-ch@8 MP or 8-ch@4 MP or 16-ch@1080p decoding capacity
- Up to 160 Mbps incoming bandwidth
- Adopt Hikvision Acusense technology to minimize manual effort and security costs



### Smart Function

- All channels support Motion Detection 2.0
- 2-ch video analysis for human and vehicle recognition to reduce false alarm
- 1-ch facial recognition for video stream, or 4-ch facial recognition for face picture
- Smart search for the selected area in the video, and smart playback to improve the playback efficiency

### Professional and Reliability

- H.265+ compression effectively reduces the storage space by up to 75%
- Adopt stream over TLS encryption technology which provides more secure stream transmission service

### HD Video Output

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

### Storage and Playback

- Up to 2 SATA interfaces for HDD connection (up to 16 TB capacity per HDD)
- 16-ch synchronous playback

### Network & Ethernet Access

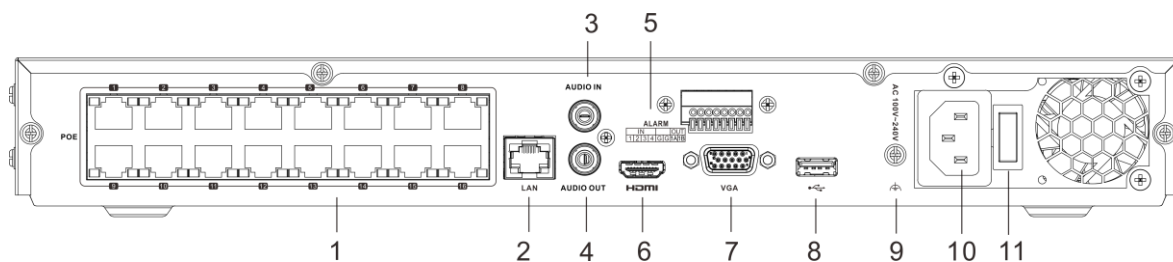
- 16 independent PoE network interfaces
- 1 self-adaptive 10/100/1000 Mbps Ethernet interface
- Hik-Connect for easy network management

## ▪ Specification

| Intelligent Analytics                      |                                                                                                                                                                                 |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AI by Device                               | Facial recognition, perimeter protection, motion detection 2.0                                                                                                                  |
| AI by Camera                               | Facial recognition, perimeter protection, throwing objects from building, motion detection 2.0, ANPR, VCA                                                                       |
| Facial Recognition                         |                                                                                                                                                                                 |
| Facial Detection and Analytics             | Face picture comparison, human face capture, face picture search                                                                                                                |
| Face Picture Library                       | Up to 16 face picture libraries, with up to 20,000 face pictures in total (each picture ≤ 4 MB, total capacity ≤ 1 GB)                                                          |
| Facial Detection and Analytics Performance | 1-ch, 8 MP                                                                                                                                                                      |
| Face Picture Comparison                    | 4-ch                                                                                                                                                                            |
| Motion Detection 2.0                       |                                                                                                                                                                                 |
| By Device                                  | All channels, 4 MP (when enhanced SVC mode is enabled, up to 8 MP) video analysis for human and vehicle recognition to reduce false alarm                                       |
| By Camera                                  | All channels                                                                                                                                                                    |
| Perimeter Protection                       |                                                                                                                                                                                 |
| By Device                                  | 2-ch, 4 MP (HD network camera, H.264/H.265) video analysis for human and vehicle recognition to reduce false alarm                                                              |
| By Camera                                  | All channels                                                                                                                                                                    |
| Video and Audio                            |                                                                                                                                                                                 |
| IP Video Input                             | 16-ch                                                                                                                                                                           |
| Incoming Bandwidth                         | 160 Mbps                                                                                                                                                                        |
| Outgoing Bandwidth                         | 160 Mbps                                                                                                                                                                        |
| HDMI Output                                | 1-ch, 4K (3840 × 2160)/30 Hz, 2K (2560 × 1440)/60 Hz, 1920 × 1080/60 Hz, 1600 × 1200/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz                               |
| VGA Output                                 | 1-ch, 1920 × 1080/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz                                                                                                                    |
| Video Output Mode                          | HDMI/VGA independent output                                                                                                                                                     |
| CVBS Output                                | N/A                                                                                                                                                                             |
| Audio Output                               | 1-ch, RCA (2.0 Vp-p, 1 KΩ, using the audio input)                                                                                                                               |
| Two-Way Audio                              | 1-ch, RCA (Linear, 1 KΩ)                                                                                                                                                        |
| Decoding                                   |                                                                                                                                                                                 |
| Decoding Format                            | H.265/H.265+/H.264+/H.264                                                                                                                                                       |
| Recording Resolution                       | 12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF                                                                                                      |
| Synchronous playback                       | 16-ch                                                                                                                                                                           |
| Decoding Capability                        | AI on: 2-ch@12 MP (30 fps)/3-ch@8 MP (30 fps)/6-ch@4 MP (30 fps)/12-ch@1080p (30 fps)<br>AI off: 2-ch@12 MP (30 fps)/4-ch@8 MP (30 fps)/8-ch@4 MP (30 fps)/16-ch@1080p (30 fps) |
| Stream Type                                | Video, Video & Audio                                                                                                                                                            |
| Audio Compression                          | G.711ulaw/G.711alaw/G.722/G.726/AAC                                                                                                                                             |
| Network                                    |                                                                                                                                                                                 |
| Remote Connection                          | 128                                                                                                                                                                             |
| API                                        | ONVIF (profile S/G); SDK; ISAPI                                                                                                                                                 |

|                            |                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Compatible Browser         | IE11, Chrome V57, Firefox V52, Safari V12, Edge V89, or above version                                                                                                                                                                                                                                                                                                                        |
| Network Protocol           | TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS                                                                                                                                                                                                                                                                                       |
| 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                      | ≤ 200 W                                                                                                                                                                                                                                                                                                                                                                                      |
| Standard                   | IEEE 802.3af/at                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Auxiliary Interface</b> |                                                                                                                                                                                                                                                                                                                                                                                              |
| SATA                       | 2 SATA interfaces                                                                                                                                                                                                                                                                                                                                                                            |
| Capacity                   | Up to 16 TB capacity for each HDD                                                                                                                                                                                                                                                                                                                                                            |
| USB Interface              | Front panel: 1 × USB 2.0; Rear panel: 1 × USB 2.0                                                                                                                                                                                                                                                                                                                                            |
| Alarm In/Out               | 4/1                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>General</b>             |                                                                                                                                                                                                                                                                                                                                                                                              |
| GUI Language               | English, Russian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Turkish, Japanese, Danish, Swedish Language, Norwegian, Finnish, Korean, Traditional Chinese, Thai, Estonian, Vietnamese, Croatian, Slovenian, Serbian, Latvian, Lithuanian, Uzbek, Kazakh, Arabic, Ukrainian, Kyrgyz, Brazilian Portuguese, Indonesian |
| Power Supply               | 100 to 240 VAC, 50 to 60 Hz                                                                                                                                                                                                                                                                                                                                                                  |
| Consumption                | ≤ 15 W (without HDD and PoE off)                                                                                                                                                                                                                                                                                                                                                             |
| Working Temperature        | -10 °C to 55 °C (14 °F to 131 °F)                                                                                                                                                                                                                                                                                                                                                            |
| Working Humidity           | 10% to 90%                                                                                                                                                                                                                                                                                                                                                                                   |
| Dimension (W × D × H)      | 385 mm × 315 mm × 52 mm (15.2"× 12.4" × 2.0")                                                                                                                                                                                                                                                                                                                                                |
| Weight                     | ≤ 3 kg (without HDD, 6.6 lb.)                                                                                                                                                                                                                                                                                                                                                                |
| <b>Certification</b>       |                                                                                                                                                                                                                                                                                                                                                                                              |
| CE                         | EN 55032: 2015, EN 61000-3-2, EN 61000-3-3, EN 50130-4, EN 55035: 2017                                                                                                                                                                                                                                                                                                                       |
| Obtained Certification     | CE, FCC, IC, CB, KC, UL, Rohs, Reach, WEEE, RCM, UKCA, LOA, BIS                                                                                                                                                                                                                                                                                                                              |

## ▪ Physical Interface

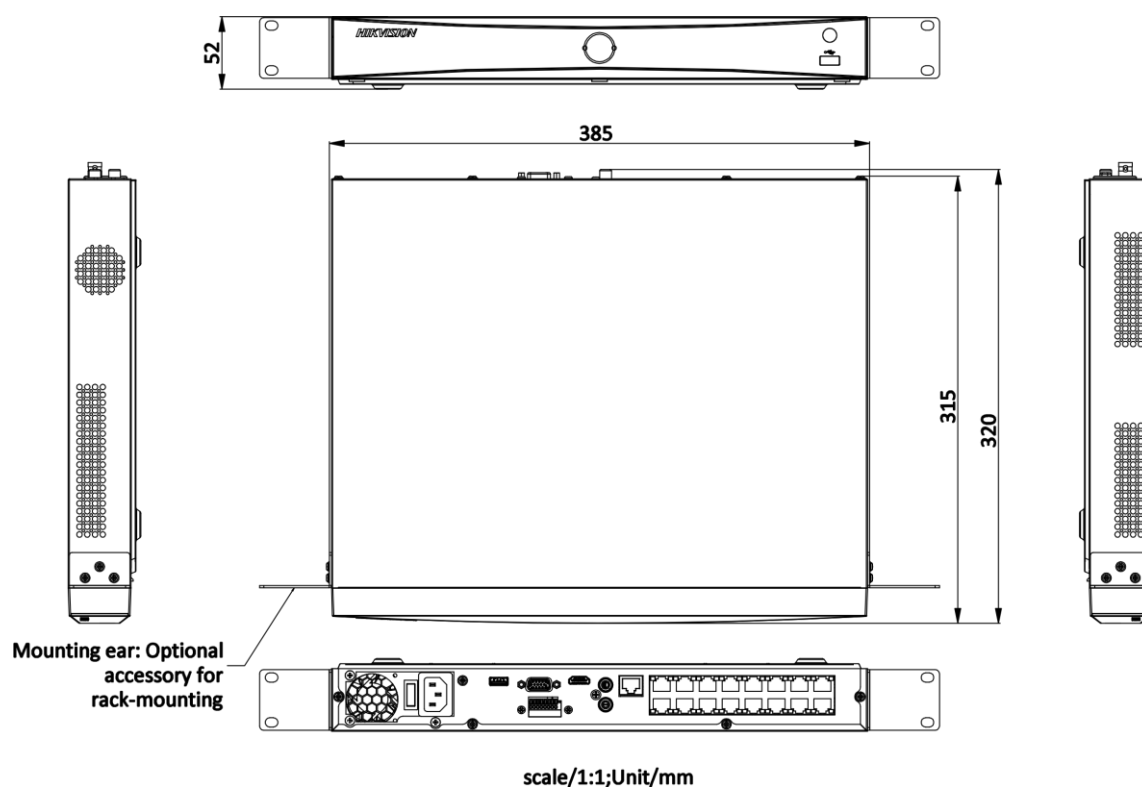


| No. | Description                          | No. | Description   |
|-----|--------------------------------------|-----|---------------|
| 1   | Network interfaces with PoE function | 7   | VGA interface |
| 2   | LAN network interface                | 8   | USB interface |
| 3   | AUDIO IN                             | 9   | GND           |
| 4   | AUDIO OUT                            | 10  | Power supply  |
| 5   | ALARM IN and OUT                     | 11  | Power switch  |
| 6   | HDMI interface                       |     |               |

## ▪ Available Model

DS-7616NXI-K2/16P(D)

## ▪ Dimension



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