# DS-7616NXI-K1(E)
# 16-ch 1U K Series AcuSense 4K NVR






- Adopt Hikvision AcuSense technology to minimize manual effort and security costs
- Efficient playback with AcuSearch technology
- Accurate perimeter protection effectively reduces false alarms
- Automatic cameras connection and configuration
- Up to 16-ch IP camera inputs
- H.265+/H.265/H.264+/H.264 video formats
- Up to 3-ch@12 MP or 5-ch@8 MP or 10-ch@4 MP or 16-ch@2 MP decoding capacity
- Up to 160 Mbps incoming bandwidth

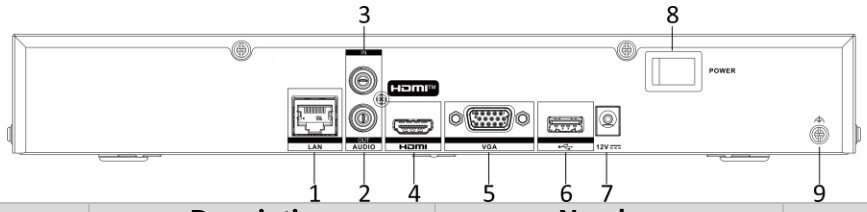
## ▪ Specification

| Model | | DS-7616NXI-K1(E) |
|---|---|---|
| **Intelligent Analytics** | AI by NVR | Facial recognition, perimeter protection, motion detection 2.0, AcuSearch |
| | AI by Camera | Facial recognition, perimeter protection, motion detection2.0, ANPR |
| **AcuSearch** | By Camera | All channels<br>*: The camera should enable AcuSearch function |
| **Perimeter Protection** | By NVR | Video analysis (HD network camera, H.264/H.265) for human and vehicle recognition to reduce false alarm.<br>Up to 4 MP: 2-ch;<br>8 MP to 5 MP: 1-ch |
| | By Camera | All channels |
| **Target Recognition** | Facial Detection and Analytics | Face picture comparison, human face capture, face picture search |
| | Facial Detection and Analytics Performance | Up to 4 MP: 2-ch;<br>8 MP to 5 MP: 1-ch |
| | Face Picture Comparison | 8-ch |
| | Face Picture Library | Up to 16 face picture libraries, with up to 50,000 face pictures in total (each picture ≤ 1 MB, total capacity ≤ 1 GB) |
| **Motion Detection 2.0** | By NVR | All channels, up to 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 |
| **Video and Audio** | IP Video Input | 16-ch |
| | IP Speaker Input | 4-ch |
| | Incoming Bandwidth | 160 Mbps |
| | Outgoing Bandwidth | 80 Mbps |
| | HDMI Output | 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz |
| | VGA Output | 1-ch, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz |
| | Video Output Mode | HDMI/VGA independent output |
| | Audio Output | 1-ch, RCA (Linear, 1 KΩ) |
| | Two-Way Audio | 1-ch, RCA (2.0 Vp-p, 1 KΩ, using the audio input) |
| **Decoding** | Decoding Format | H.265/H.265+/H.264/H.264+ |
| | Recording Resolution | 16 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF<br>*: 16 MP is only available for channel 1. |

| | | |
|---|---|---|
| | Synchronous playback | 16-ch |
| | Decoding Capability | AI on: 2-channel 12 MP@30 fps, 4-channel 8 MP@30 fps, 5-channel 6 MP@30 fps, 8-channel 4 MP@30 fps, 10-channel 3 MP@30fps, 16-channel 2 MP@30fps<br>AI off: 3-channel 12 MP@30 fps, 5-channel 8 MP@30 fps, 6-channel 6 MP@30 fps, 10-channel 4 MP@30 fps, 13-channel 3 MP@30fps, 16-channel 2 MP@30fps |
| | Stream Type | Video, Video and Audio |
| | Audio Compression | G.711ulaw/G.711alaw/G.722/G.726/AAC/MP2L2 |
| **Network** | Remote Connection | 128 |
| | API | ONVIF (profile S/G); SDK; ISAPI |
| | Compatible Browser | IE 11, Chrome 91, Firefox 88, Safari 12, Edge 91,or above version |
| | Network Protocol | TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, iSCSI, ISUP, UPnP™, HTTP, HTTPS |
| | Network Interface | |
| **Auxiliary Interface** | SATA | 1 SATA interface |
| | Capacity | Up to 16 TB capacity for each HDD |
| | Alarm In/Out | |
| | USB Interface | Front panel: 1 × USB 2.0; Rear panel: 1 × USB 2.0 |
| **General** | 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, Hebrew, Ukrainian, Indonesian |
| | Fan | Supports |
| | Power Supply | 12 VDC, 1.5 A |
| | Consumption | ≤ 10 W (without HDD) |
| | Working Temperature | -10 °C to 55 °C (14 °F to 131 °F) |
| | Working Humidity | 10% to 90% |
| | Dimension (W × D × H) | 319 mm × 240 mm × 48 mm (12.56 × 9.43 × 1.87 inch) |
| | Weight | ≤ 2kg (without HDD, 3 lb.) |
| **Certification** | CE | EN 55032: 2015, EN 61000-3-2, EN 61000-3-3, EN 55035: 2017 |
| | Obtained Certification | CE,CB,REACH,WEEE,UKCA,RCM,IC |

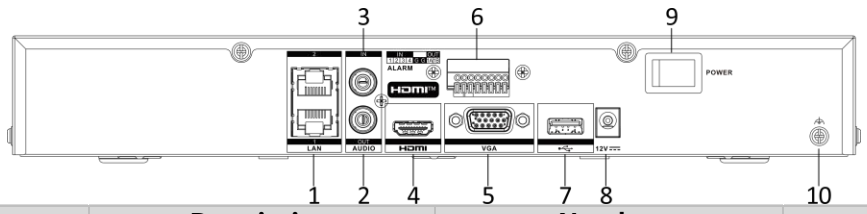
## ▪ Physical Interface

DS-7616NXI-K1(E)



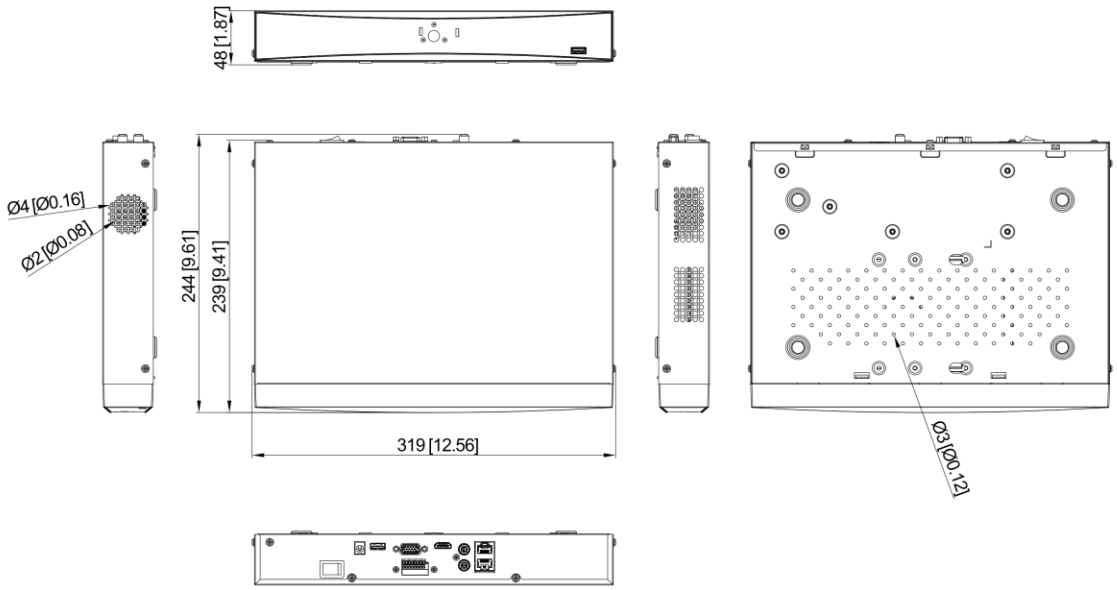

| Number | Description | Number | Description |
|---|---|---|---|
| 1 | LAN network interface | 6 | USB interface |
| 2 | Audio out | 7 | 12 VDC power input |
| 3 | Audio in | 8 | Power switch |
| 4 | HDMI interface | 9 | GND |
| 5 | VGA interface | | |

DS-7616NXI-K1(E)/IO4+1&2Lan



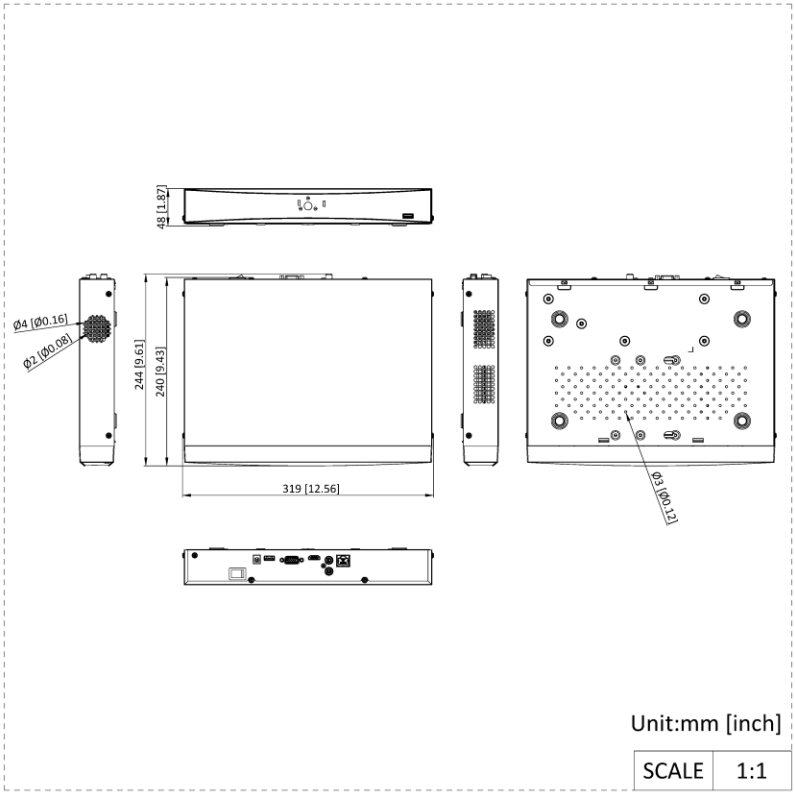

| Number | Description | Number | Description |
|---|---|---|---|
| 1 | LAN network interface | 6 | Alarm in / Alarm out |
| 2 | Audio out | 7 | USB interface |
| 3 | Audio in | 8 | 12 VDC power input |
| 4 | HDMI interface | 9 | Power switch |
| 5 | VGA interface | 10 | GND |

## ▪ Dimension




Unit:mm [inch]

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


48 [1.87]
Ø4 [Ø0.16]
Ø2 [Ø0.08]
244 [9.61]
240 [9.43]
319 [12.56]
Ø3 [Ø0.12]
Unit:mm [inch]
SCALE
1:1

See Far, Go Further

www.hikvision.com
support@hikvision.com

© Hangzhou Hikvision Digital Technology Co., Ltd. Unless otherwise agreed, Hikvision makes no warranties, express or implied. We reserve the right to introduce modifications without notice.

HIKVISION®