

## 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

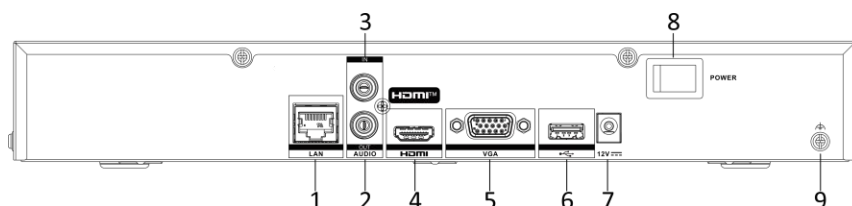
## ▪ Specification

| 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 detection 2.0, 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 (profileS/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                                                                                                                                                                                                                                                                                                                            |

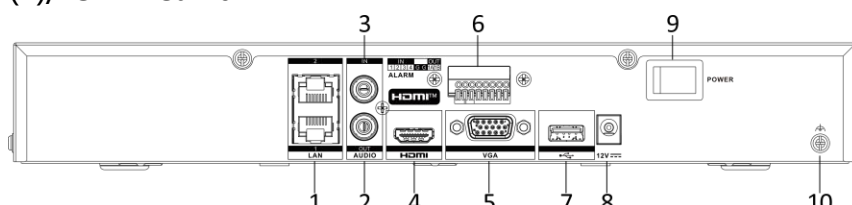
## ▪ Physical Interface

DS-7616NXI-K1(E)



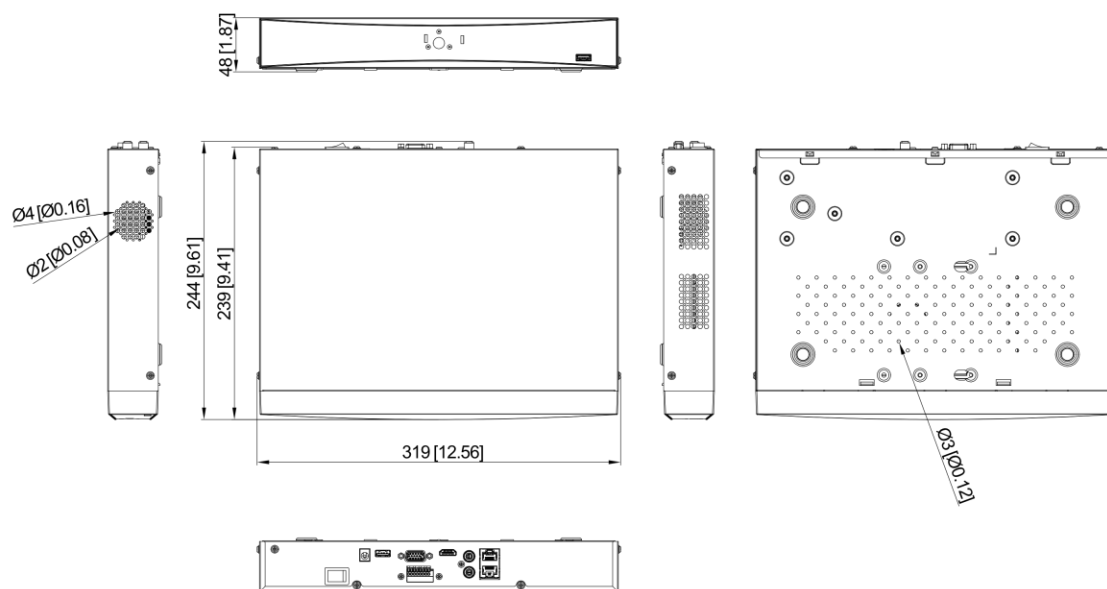
| Number | Description           | Number | Description        |
|--------|-----------------------|--------|--------------------|
| 1      | LAN network interface | 6      | USB interface      |
| 2      | Audio out             | 7      | 12 VDC power input |
| 3      | Audio in              | 8    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

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



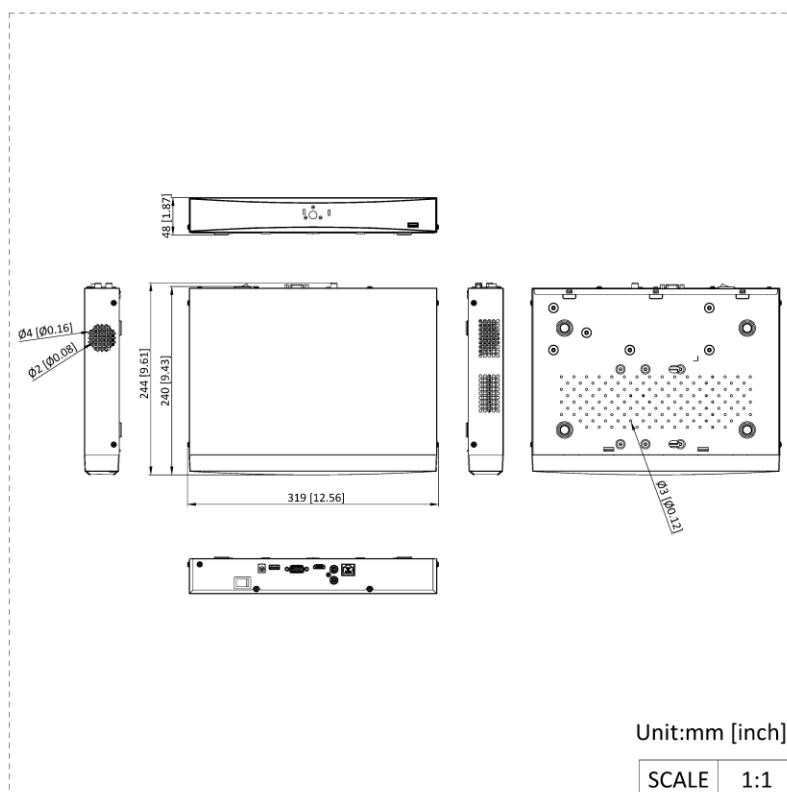
| Number | Description           | Number | Description          |
|--------|-----------------------|--------|----------------------|
| 1      | LAN network interface | 6      | Alarm in / Alarm out |
| 2      | Audio out             | 7      | USB interface        |
| 3      | Audio in             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

### ▪ Dimension



Unit:mm [inch]

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



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