

## DS-8616NI-I8(B) Series NVR

### Key Feature

- H.265+/H.265/H.264+/H.264 video formats
- Up to 16-ch IP camera inputs
- Up to 1-ch@32 MP/2-ch@12 MP/16-ch@1080p decoding capacity
- Up to 256 Mbps incoming bandwidth
- HDD hot swapping with RAID 0/1/5/6/10



### Professional and Reliability

- H.265+ compression effectively reduces the storage space by up to 75%
- Dual-stream recording saves bandwidth
- Adopt stream over TLS encryption technology which provides more secure stream transmission service
- Support double verification for playback and downloading

### HD Video Output

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

### Storage and Playback

- Hot-swappable HDD with configurable RAID 0, RAID 1, RAID 5, RAID 6 and RAID 10 storage scheme
- Up to 8 SATA interfaces for HDD connection
- 16-ch synchronous playback

### Smart & POS Function

- Support multiple VCA (Video Content Analytics) events
- Configurable special camera smart functions, such as VCA detection (motion, line crossing, intrusion, etc.), heat map, ANPR, and people counting
- POS information overlay on live view and playback, and 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
- Smooth streaming technology
- Support web access without plug-in

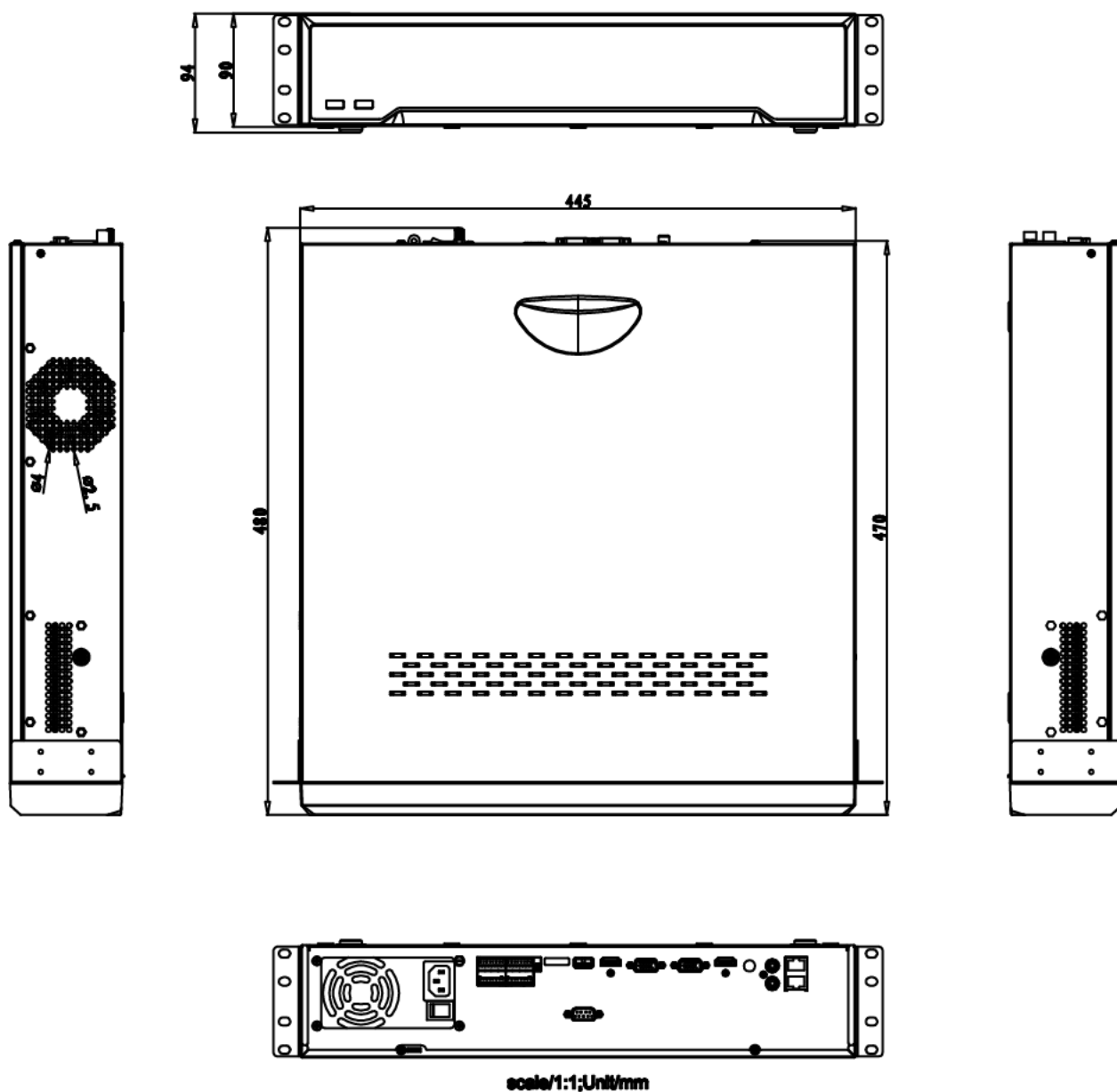


## Specification

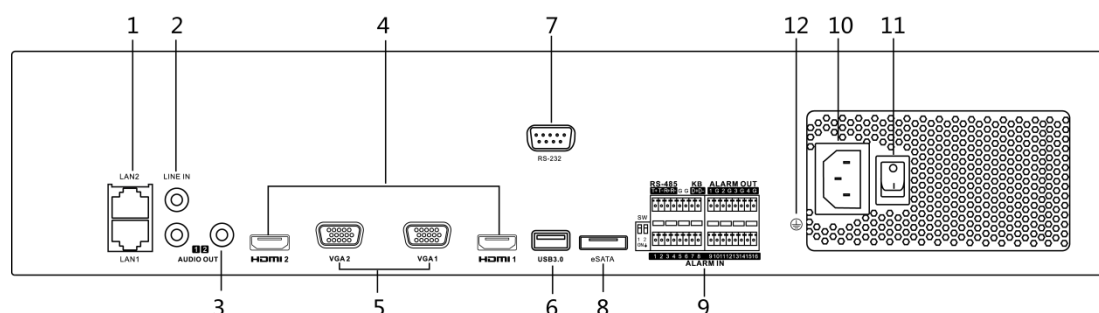
|                                         |                                                                                                                                                                                      |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Model</b>                            | <b>DS-8616NI-I8(B)</b>                                                                                                                                                               |
| <b>Video and Audio</b>                  |                                                                                                                                                                                      |
| <b>Processor</b>                        | Quad-core embedded processor                                                                                                                                                         |
| <b>Operating System</b>                 | Embedded Linux                                                                                                                                                                       |
| <b>IP video input</b>                   | 16-ch                                                                                                                                                                                |
|                                         | Up to 12 MP resolution<br>32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA<br>/4CIF/DCIF/ 2CIF/CIF/QCIF                                                                |
| <b>Incoming bandwidth</b>               | 256 Mbps                                                                                                                                                                             |
| <b>Outgoing bandwidth</b>               | 256 Mbps                                                                                                                                                                             |
| <b>Incoming bandwidth (RAID mode)</b>   | 200 Mbps                                                                                                                                                                             |
| <b>Outgoing bandwidth (RAID mode)</b>   | 200 Mbps                                                                                                                                                                             |
| <b>HDMI 1 output Display Resolution</b> | 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz                                                 |
| <b>HDMI 2 output Display Resolution</b> | 1920 × 1080p/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz                                                                                                                |
| <b>VGA 1 output Display Resolution</b>  | 1920 × 1080p/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz                                                                                                                |
| <b>VGA 2 output Display Resolution</b>  | 1920 × 1080p/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz                                                                                                                |
| <b>Video output mode</b>                | HDMI 1 and VGA 1 provide simultaneous video output, and work as the main output;<br>HDMI 2 and VGA 2 provide simultaneous video output, and work as the auxiliary output             |
| <b>CVBS output (optional)</b>           | 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480                                                                                                              |
| <b>Audio output</b>                     | 2-ch, RCA (Linear, 1 KΩ)                                                                                                                                                             |
| <b>Two-way audio input</b>              | 1-ch, RCA (2.0 Vp-p, 1 KΩ, using the audio input)                                                                                                                                    |
| <b>Video Monitoring Software</b>        | Pre-Loaded Hikvision NVR Software                                                                                                                                                    |
| <b>Monitoring Software</b>              | iVMS 4200, Hik Central, Hik Pro Connect Mobiles APPs (iOS, Android), ONVIF supported Third Party platform/Central Monitoring Platform.                                               |
| <b>Third Party Compatibility</b>        | Support ONVIF (Profile S, Profile G & Profile T) camera's, Conformance for S & T                                                                                                     |
| <b>API</b>                              | ISAPI, SDK, Ehome                                                                                                                                                                    |
| <b>Features</b>                         | Support motion detection, intrusion detection, Cross line detection, people counting, scene change, heat map, ANPR, Fast and easy to take backup                                     |
| <b>Decoding</b>                         |                                                                                                                                                                                      |
| <b>Decoding format</b>                  | H.265+/H.265/H.264+/H.264/MPEG4                                                                                                                                                      |
| <b>Recording resolution</b>             | 32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA<br>/4CIF/DCIF/2CIF/CIF/QCIF/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 |
| <b>Synchronous playback</b>             | 16-ch                                                                                                                                                                                |
| <b>Video Playback Capability</b>        | 1-ch@32 MP (30 fps)/2-ch@12 MP (20 fps)/4-ch@8 MP (25 fps)/8-ch@4 MP (30                                                                                                             |

|                                  |                                                                                                                                                                                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                  | fps)/16-ch@1080p (30 fps)                                                                                                                                                                                                                           |
| <b>Video Playback Speed</b>      | 1X, 2X, 4X, 8X, 16X                                                                                                                                                                                                                                 |
| <b>Dual stream recording</b>     | Support                                                                                                                                                                                                                                             |
| <b>Stream type</b>               | Video, Video & Audio                                                                                                                                                                                                                                |
| <b>Audio compression</b>         | G.711ulaw/G.711alaw/G.722/G.726                                                                                                                                                                                                                     |
| <b>Security</b>                  | Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS 1.2, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, TLS1.2 |
| <b>Network</b>                   |                                                                                                                                                                                                                                                     |
| <b>Remote connections</b>        | 128                                                                                                                                                                                                                                                 |
| <b>Network protocol</b>          | TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, SNTP, RTP, RTSP, RTCP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP, HTTP, HTTPS, DHCP                                                                                                                        |
| <b>Network interface</b>         | 2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface                                                                                                                                                                                          |
| <b>RAID</b>                      |                                                                                                                                                                                                                                                     |
| <b>RAID Type</b>                 | RAID0, RAID1, RAID5, RAID6, and RAID10 (at least 4 TB for each HDD)                                                                                                                                                                                 |
| <b>Auxiliary Interface</b>       |                                                                                                                                                                                                                                                     |
| <b>Serial Interface</b>          | RS-232; RS-485; Keyboard                                                                                                                                                                                                                            |
| <b>SATA</b>                      | 8 SATA interfaces                                                                                                                                                                                                                                   |
| <b>eSATA</b>                     | 1 eSATA interface                                                                                                                                                                                                                                   |
| <b>Capacity and HDD Type</b>     | Up to 10 TB capacity for each disk, Surveillance & Enterprise.                                                                                                                                                                                      |
| <b>Alarm in/out</b>              | 16/4                                                                                                                                                                                                                                                |
| <b>USB interface</b>             | Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0                                                                                                                                                                                                   |
| <b>General</b>                   |                                                                                                                                                                                                                                                     |
| <b>Power supply</b>              | 100 to 240 VAC, 50 to 60 Hz                                                                                                                                                                                                                         |
| <b>Consumption (without HDD)</b> | ≤ 30 W                                                                                                                                                                                                                                              |
| <b>Working temperature</b>       | -10 °C to 55 °C (14 °F to 131 °F)                                                                                                                                                                                                                   |
| <b>Working humidity</b>          | 10% to 90%                                                                                                                                                                                                                                          |
| <b>Dimension (W × D × H)</b>     | 445 × 470 × 94 mm (17.5"× 18.5" × 3.7")                                                                                                                                                                                                             |
| <b>Weight (without HDD)</b>      | ≤ 8 kg (17.6 lb)                                                                                                                                                                                                                                    |
| <b>Certification</b>             |                                                                                                                                                                                                                                                     |
| <b>FCC</b>                       | Part 15 Subpart B, ANSI C63.4-2014                                                                                                                                                                                                                  |
| <b>CE</b>                        | EN 55032:2015, EN 61000-3-2, EN 61000-3-3, EN 50130-4                                                                                                                                                                                               |
| <b>UL</b>                        | UL 60950-1                                                                                                                                                                                                                                          |

## Dimension



## Physical Interface



| No. | Description           | No. | Description                 |
|-----|-----------------------|-----|-----------------------------|
| 1   | LAN1/LAN2 Interface   | 7   | RS-232 Interface            |
| 2   | LINE IN               | 8   | eSATA Interface             |
| 3   | AUDIO OUT             | 9   | Alarm In/Alarm Out          |
| 4   | HDMI1/HDMI2 Interface | 10  | 100 to 240 VAC Power Supply |
| 5   | VGA1/VGA2 Interface   | 11  | Power Switch                |
| 6   | USB 3.0 Interface     | 12  | GND                         |

## Available Model

DS-8632NI-I8(B)  
DS-8616NI-I8(B)  
DS-8608NI-I8(B)

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