

**DS-7616NI-M2/16P**  
**M Series 8K NVR**

114-436

114-436-6



**Key Feature**

- H.265+/H.265/H.264+/H.264 video formats
- Up to 16-ch IP camera inputs
- Up to 16-ch@4 MP decoding capacity
- Up to 256 Mbps incoming bandwidth



**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 8K resolution

**Storage and Playback**

- Up to 2 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**

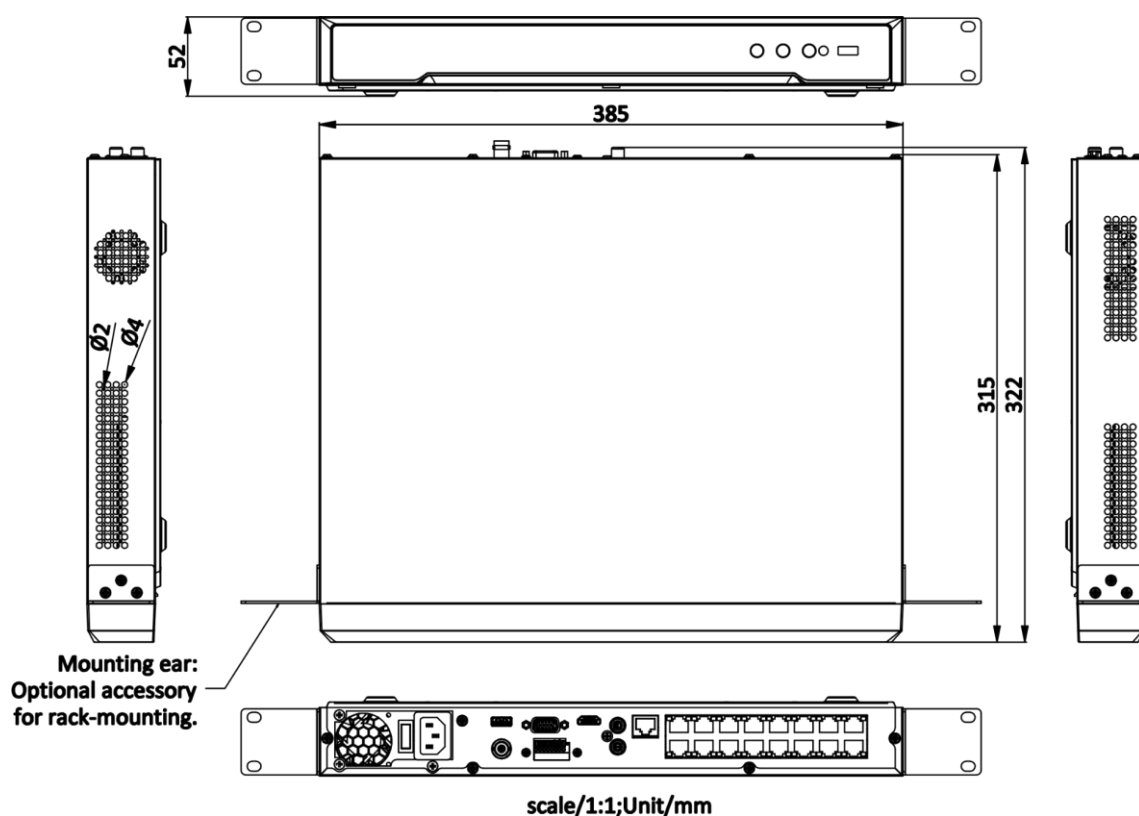
- 16 independent PoE network interfaces
- 1 self-adaptive 10/100/1000 Mbps Ethernet interface
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- Smooth streaming technology
- Support web access without plug-in

## ▪ Specification

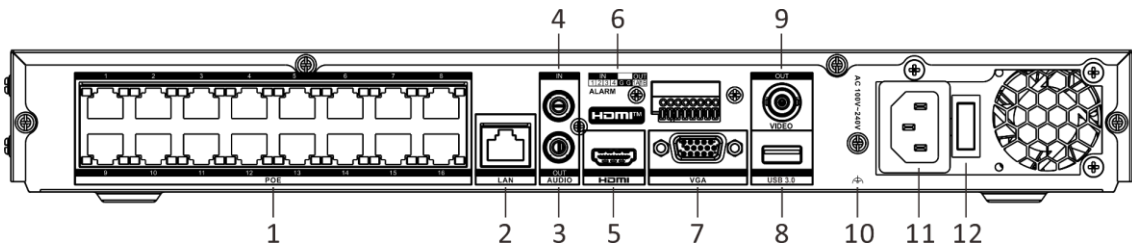
| Video and Audio       |  |
|-----------------------|--|
| IP Video Input        | 16-ch<br>Up to 32 MP resolution<br>*: After ultra HD resolution mode is enabled, the NVR supports up to 8-ch 32 MP/24 MP IP video inputs.  |
| Incoming Bandwidth    | 256 Mbps   |
| Outgoing Bandwidth    | 256 Mbps   |
| HDMI Output           | 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 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            | 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz   |
| Video Output Mode     | HDMI/VGA independent output  |
| CVBS Output           | 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480  |
| 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  | 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<br>*: After ultra HD resolution mode is enabled, the NVR supports up to 8-ch 32 MP/24 MP IP video inputs. |
| Synchronous Playback  | 16-ch  |
| Decoding Capability   | 2-ch@32 MP (30 fps)/2-ch@24 MP (30 fps)/4-ch@12 MP (20 fps)/8-ch@8 MP (25 fps)/16-ch@4 MP (30 fps)   |
| Dual-Stream Recording | Support  |
| Stream Type           | Video, Video & Audio   |
| Audio Compression     | G.711ulaw/G.711alaw/G.722/G.726/AAC/MP2L2  |
| Network               |  |
| Remote Connection     | 128  |
| 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   |
| PoE                   |  |
| Interface             | 16, RJ-45 10/100 Mbps self-adaptive Ethernet interface   |

|                            |  |
|----------------------------|--|
| Power                      | ≤ 200 W  |
| Standard                   | IEEE 802.3 af/at   |
| <b>Auxiliary Interface</b> |  |
| SATA                       | 2 SATA interfaces  |
| Capacity                   | Up to 14 TB capacity for each HDD  |
| Alarm In/Out               | 4/1  |
| USB Interface              | Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0  |
| <b>General</b>             |  |
| 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 × 315 × 52 mm (15.2" × 12.4" × 2.0")   |
| Weight                     | ≤ 3 kg (without HDD, 2.2 lb.)  |
| <b>Certification</b>       |  |
| FCC                        | Part 15 Subpart B, ANSI C63.4-2014   |
| CE                         | EN 55032:2015+A1:2020, ENIEC61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019, EN 50130-4:2011+A1:2014, EN 55035:2017+A11:2020 |

## Dimension



## Physical Interface



| No. | Description                          | No. | Description                 |
|-----|--------------------------------------|-----|-----------------------------|
| 1   | Network interfaces with PoE function | 7   | VGA output                  |
| 2   | LAN interface                        | 8   | USB 3.0 interface           |
| 3   | Audio out                            | 9   | CVBS video output           |
| 4   | Audio in                             | 10  | GND                         |
| 5   | HDMI interface                       | 11  | 100 to 240 VAC power supply |
| 6   | Alarm in and alarm out               | 12  | Power switch                |

## ORDERING INFORMATION

|           |  |
|-----------|--|
| 114-436   | Hikvision DS-7616NI-M2/16P 16CH Ultra Series NVR inc 3TB HDD |
| 114-436-6 | Hikvision DS-7616NI-M2/16P 16CH Ultra Series NVR inc 6TB HDD |



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