

DS-9616NI-M8/R M Series 8K NVR

Key Feature

- Up to 16-ch IP camera inputs
- Up to 2-ch@32 MP + 2-ch@8 MP/10-ch@8 MP/20-ch@4 MP/40-ch@1080p decoding capacity
- Up to 320 Mbps incoming bandwidth and 400 Mbps outgoing bandwidth
- 2 HDMI (different source) and 2 VGA (different source) interfaces, 8K or dual 4K video outputs
- Supports special cameras, including people counting camera, ANPR (automatic number plate recognition) camera, and fisheye camera
- Advanced streaming technology enables smooth live view in poor network conditions
- Supports RAID 0, 1, 5, 6, 10 and N+M hot spare for even more reliable data storage, effectively avoids data loss risks
- Redundant power supply



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
- Solar-powered camera is connectable through OTAP protocol. NVR would get stream when user requests, and camera would send back videos according to the schedule

HD Video Output

- Provide independent HDMI and VGA outputs
- HDMI video output at up to 8K or dual 4K resolution

Storage and Playback

- 8 SATA interfaces for HDD connection (up to 16 TB capacity per HDD)
- 1 eSATA interface 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

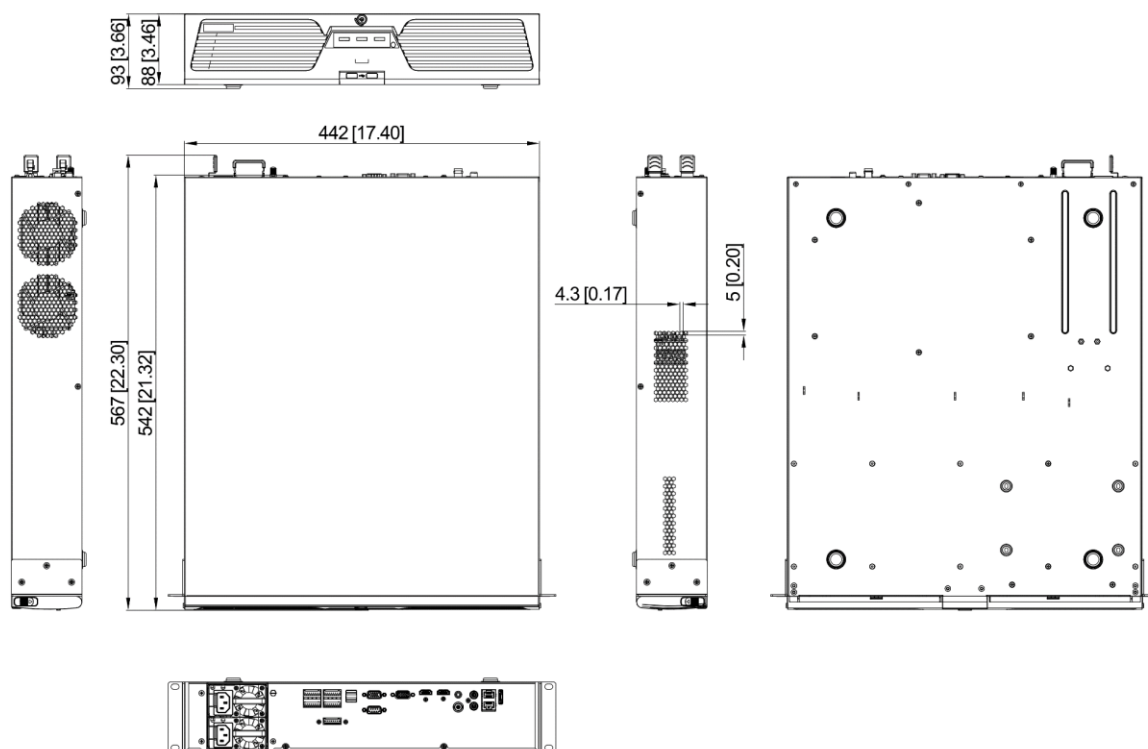
- 2 self-adaptive 10/100/1000 Mbps Ethernet interfaces
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- Smooth streaming technology
- Support web access without plug-in

▪ Specification

| Video and Audio | |
|----------------------|---|
| IP Video Input | 16-ch |
| Incoming Bandwidth | 320 Mbps |
| Outgoing Bandwidth | 400 Mbps |
| HDMI 1 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 |
| HDMI 2 Output | 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 *: When HDMI 1 output resolution is 8K, the maximum HDMI 2 output resolution is 1080p. |
| VGA 1 Output | 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz |
| VGA 2 Output | 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz |
| Video Output Mode | HDMI 1 and VGA 1 provide simultaneous video output, and work as the main output; HDMI 2 and VGA 2 provide simultaneous video output, and work as the auxiliary output |
| CVBS Output | 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480 |
| Audio Output | 2-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/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF |
| Synchronous playback | 16-ch |
| Decoding Capability | 2-ch@32 MP (30 fps) + 2-ch@8 MP (30 fps)/10-ch@8 MP (30 fps)/20-ch@4 MP (30 fps)/40-ch@1080p (30 fps) |
| Audio Compression | G.711ulaw/G.711alaw/G.722/G.726/AAC/MP2L2/PCM |

| Network | |
|------------------------|--|
| Network Protocol | TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS |
| Network Interface | 2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface |
| RAID | |
| RAID Type | RAID0, RAID1, RAID5, RAID6, RAID10 |
| Auxiliary Interface | |
| Serial Interface | 1 RS-485 (full-duplex), 1 RS-232 |
| SATA | 8 SATA interfaces supporting hot-plug |
| eSATA | 1 eSATA interface |
| Capacity | Up to 16 TB capacity for each disk |
| Alarm In/Out | 16/9 |
| USB Interface | Front panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0 |
| Ctrl 12V | Controllable 12 VDC, 1 A power output for external alarm device; The power will be turned on when the alarm output is triggered. *: The Ctrl 12V power is controlled by alarm output 9. |
| DC 12V | 12 VDC, 1 A power output |
| General | |
| Power Supply | 100 to 240 VAC, 50 to 60 Hz, redundant power supply |
| Consumption | ≤ 50 W (without HDD) |
| Working Temperature | -10 °C to 55 °C (14 °F to 131 °F) |
| Working Humidity | 10% to 90% |
| Chassis | 2U chassis |
| Dimension (W × D × H) | 442 × 542 × 88 mm (17.4"× 21.3" × 3.5") |
| Weight | ≤ 10 kg (without HDD, 22 lb.) |
| Certification | |
| Obtained Certification | CE, FCC |
| FCC | Part 15 Subpart B, ANSI C63.4-2014 |
| CE | EN 55032:2015, EN 61000-3-2, EN 61000-3-3, EN 50130-4 |

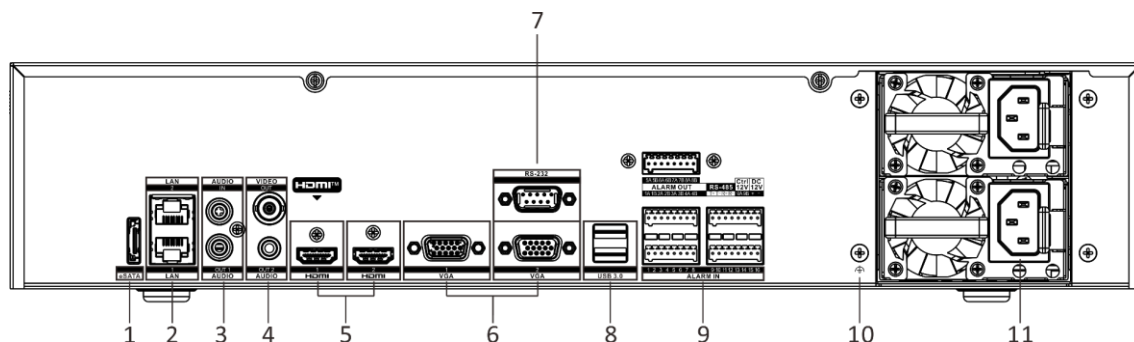
Dimension



Unit:mm [inch]

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

Physical Interface



| No. | Description | No. | Description |
|-----|------------------------------|-----|---|
| 1 | eSATA interface | 7 | RS-232 Serial interface |
| 2 | LAN interfaces | 8 | USB 3.0 interfaces |
| 3 | Audio in and out | 9 | Alarm in, alarm out, RS-485 serial interface, Ctrl 12V and DC 12V |
| 4 | Audio out and video out | 10 | GND |
| 5 | HDMI 1 and HDMI 2 interfaces | 11 | 100 to 240 VAC power supply |
| 6 | VGA 1 and VGA 2 interfaces | | |

Available Model

DS-9616NI-M8/R

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