DS-96128NI-M16/R
128-ch 3U 8K NVR





- Up to 128-ch IP camera inputs
- Up to 40 x 1080p@ 30fps decoding capacity
- Up to 400 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
- Up to 8-ch IP speakers can be connected

▪ Function

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 or dual 4K resolution
Storage and Playback
16 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 for easy network management
Smooth streaming technology
Support web access without plug-in

▪ Specification

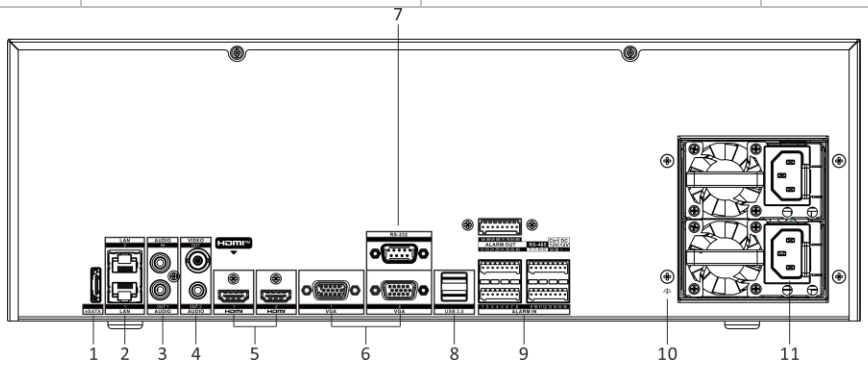
Video and Audio	
IP Video Input	128-ch Up to 32 MP resolution *: The NVR supports up to 8-ch 32/24/16 MP IP video inputs.
Incoming Bandwidth	400 Mbps
Outgoing Bandwidth	400 Mbps
HDMI 1 Output	8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 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 Input	1-ch, RCA (2.0 Vp-p, 1 KΩ)
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/16MP/12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF *: The NVR supports up to 8-ch 32/24/16 MP IP video inputs, all channels for less than 16 MP.
Synchronous playback	16-ch
Decoding Capability	2-ch@32 MP (30 fps); 3-ch@24 MP (30 fps); 5-ch@16MP (30 fps); 6-ch@12MP (30 fps);10-ch@8 MP (30 fps); 13-ch@6 MP (30 fps);16-ch@5 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, ONVIF(Version 2.2), OTAP
Network Interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
Camera Access Protocol	ONVIF(Version 2.5), RTSP
RAID	
RAID Type	RAID0, RAID1, RAID5, RAID6, RAID10
Auxiliary Interface	
Serial Interface	1 RS-485 (full-duplex), 1 RS-232
SATA	16 SATA interfaces supporting hot-plug
eSATA	1 eSATA interface

Capacity	Up to 20 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	3U chassis
Dimension (W × D × H)	445 × 496 × 150 mm (17.5" × 19.5" × 5.9")
Weight	≤ 12.5 kg (without HDD, 27.6 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
Cyber Security	
EN 303645	Support
Secure Boot	Support
Secure Component Verification SVC	Support
Password Protection	Support
IP & MAC Address Filtering	Support
HTTPS Encryption	Support
Live View & Playback Stream Encryption	Support AES128
IEEE802.1X(EAP-TLS) Network Access Control	Support
Signed Firmware	Support
Others	Digest authentication: Support User access log : Support Centralized certificate management : Support Brute force delay protection : Support

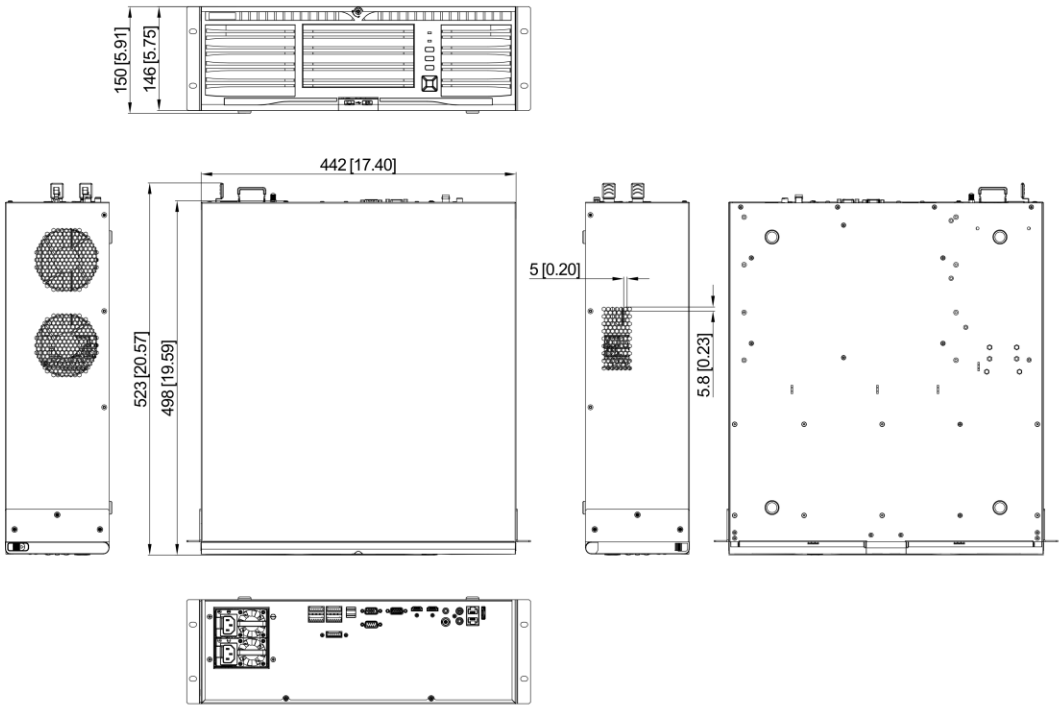
▪ Physical Interface

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	11	100 to 240 VAC power

	interfaces		supply
6	VGA 1 and VGA 2 interfaces		



▪ Dimension



Unit:mm [inch]

SCALE	1:1

See Far, Go Further

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