DS-9664NXI-S8 (D)

- Up to 32×1080p decoding capacity

- H.265+/H.265/H.264+/H.264 video formats

- Up to 64-ch IP cameras can be connected

- Up to 8-ch IP speakers can be connected

- Up to 1 Gbps incoming bandwidth and 800Mbps outgoing bandwidth

- Intelligent analytics supports facial recognition, perimeter protection, video structuralization, AcuSearch

- Supports RAID 0, 1, 5, 6, 10 and N+M hot spare for even more reliable data storage, effectively avoids data loss risks

- HDMI video output at up to 8K resolution

▪ **Function**

*Compression and Recording
- · H.265+ compression effectively reduces the storage space by up to 75%
- · Full channel IP cameras connection
- · Compatible to third-party network cameras

HD Video Output
- · Provide independent HDMI and VGA outputs
- · HDMI video output at up to 4K resolution

Storage and Playback
- · Up to 8 SATA interfaces for HDD connection
- · 16-ch synchronous playback

Smart & POS Function
- · Support multiple VCA (Video Content Analytics) events
- · Smart search for the selected area in the video, and smart playback to improve the playback efficiency
- · POS information overlay on live view and playback
- · POS triggered recording and alarm

Network & Ethernet Access
- · 2 self-adaptive 10/100/1000 Mbps Ethernet interfaces
- · Hik-Connect &0 DDNS (Dynamic Domain Name System) for easy network management
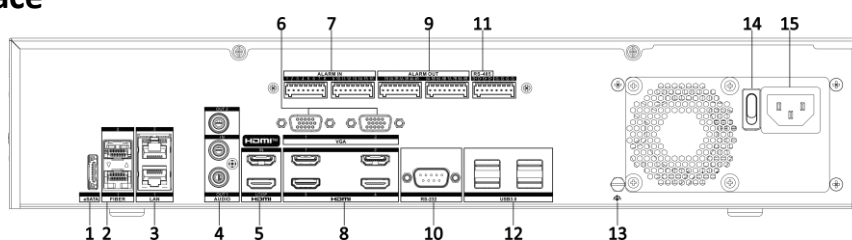
▪ **Specification**

Intelligent Analytics	
AI by NVR	Facial recognition, perimeter protection, video structuralization
AI by Camera	Facial recognition, perimeter protection, video structuralization, AcuSearch, motion detection2.0, ANPR, people counting, VCA
Facial Recognition	
Facial Detection and Analytics	Face picture comparison, human face capture, face picture search
Face Picture Library	Up to 64 face picture libraries, up to 300,000 face pictures in list library (each picture ≤ 4 MB, total capacity ≤ 10 GB)
Face Picture Comparison (Captured from Camera)	16-ch Comparison speed: 24 pictures per second
Facial Detection and Analytics Performance	Simultaneous mode: 8-ch, up to 2 MP independent mode: 4-ch, up to 2 MP.
AcuSearch	
By Camera	All channels , up to 345,600 targets per day Note: The camera should enable AcuSearch function.
Perimeter Protection	
By NVR	Simultaneous mode: 8-ch, up to 2 MP independent mode: 4-ch, up to 2 MP.
By Camera	All channels
Video Structuralization	
Structured Analysis	Simultaneous mode: 8-ch, up to 2 MP independent mode: 4-ch, up to 2 MP.
Face Picture Library	Up to 64 face picture libraries, up to 300,000 face pictures in list library (each picture ≤ 4 MB, total capacity ≤ 10 GB)
Face Picture Comparison	16-ch; Comparison speed: 24 pictures per second
Video and Audio	
IP Video Input	64-ch Up to 32 MP resolution
Incoming Bandwidth	1024 Mbps
Outgoing Bandwidth	800 Mbps
Incoming Bandwidth (RAID Mode)	512 Mbps
Outgoing Bandwidth (RAID mode)	400 Mbps
HDMI 1 Output	4K (4096 × 2160)/30 Hz, 4K (3840 × 2160)/60 Hz, 4K (3840 × 2160)/30 Hz, 2K (2560 × 1440)/60 Hz, 1080P (1920 × 1080)/60 Hz
HDMI 2 Output	4K (4096 × 2160)/30 Hz, 4K (3840 × 2160)/60 Hz, 4K (3840 × 2160)/30 Hz, 2K (2560 × 1440)/60 Hz, 1080P (1920 × 1080)/60 Hz
HDMI 3 Output	8K (7680 × 4320)/30 Hz, 4K (4096 × 2160)/30 Hz, 4K (3840 × 2160)/60 Hz, 4K (3840 × 2160)/30 Hz, 2K (2560 × 1440)/60 Hz, 1080P (1920 × 1080)/60 Hz
HDMI 4 Output	1080P (1920 × 1080)/60 Hz
VGA 1 Output	1080P (1920 × 1080)/60 Hz
VGA 2 Output	1080P (1920 × 1080)/60 Hz

Video Output Mode	Mode 1 (default output mode): simultaneous output with 1080p resolution; Mode 2 (simultaneous output): HDMI 1, VGA 1, HDMI 2, VGA 2, HDMI 3, and HDMI 4 provide simultaneous output, the maximum resolution for VGA 1/VGA 2/HDMI 4 is 1080p, the maximum resolution for HDMI 1/HDMI 2/HDMI 3 is 4K; Mode 3 (independent output and 8K HDMI 3 output resolution): HDMI 1/VGA 1/HDMI 2/VGA 2, HDMI 3, and HDMI 4 provide independent output respectively. The maximum resolution is 8K + 4K + 1080p; Mode 4 (independent output and HDMI 3 output resolution ≤ 4K): HDMI 1/VGA 1, HDMI 2/VGA 2, HDMI 3, and HDMI 4 provide independent output respectively. The maximum resolution is 8K × 4K + 1080p.
HDMI Input	1-ch
HDMI Loopback	1-ch (matching the HDMI input)
Audio Output	2-ch, RCA (Linear, 1 KΩ)
Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1 k Ω)
Decoding	
Decoding Format	H.265/H.265+/H.264/H.264+
Decoding Capability	2-ch@32 MP (30 fps)/2-ch@24 MP (30fps)/4-ch@16 MP (30fps)/8-ch@8 MP (30fps)/16-ch@4 MP (30fps)/32-ch@2 MP (30fps)
Synchronous Playback	16-ch
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
Network	
Remote Connection	128
Network Protocol	TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, PPPoE, HTTP, HTTPS, ONVIF (version 2.2), OTAP
API	ONVIF (profile S/T); SDK; ISAPI
Compatible Browser	IE11, Chrome V57, Firefox V52, Safari V12, Edge V89, or above version
Network Interface	4, RJ-45 10/100/1000/2500 Mbps self-adaptive Ethernet interface
Camera Access Protocol	ONVIF (version 2.5), RTSP
RAID	
RAID Type	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10
Auxiliary Interface	
SATA	8 SATA interfaces; 3.5-inch HDD
eSATA	1 eSATA interface
Capacity	Up to 20 TB capacity for each HDD
Serial Interface	1 RS-232, 2 RS-485 (half-duplex)
USB Interface	Front panel: 2 × USB 2.0; Rear panel: 4 × USB 3.0
Alarm In/Out	16/8
General	
GUI Language	English, Russian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Turkish, Japanese, Danish, Swedish Language, Norwegian, Finnish, Korean, Traditional Chinese, Thai, Estonian, Vietnamese, Croatian, Slovenian, Serbian, Latvian, Lithuanian, Uzbek, Kazakh, Arabic, Ukrainian, Kyrgyz , Brazilian Portuguese, Indonesian
Power Supply	100 to 240 VAC, 50 to 60 Hz, redundant power supply
Consumption	≤ 50 W (without HDD)

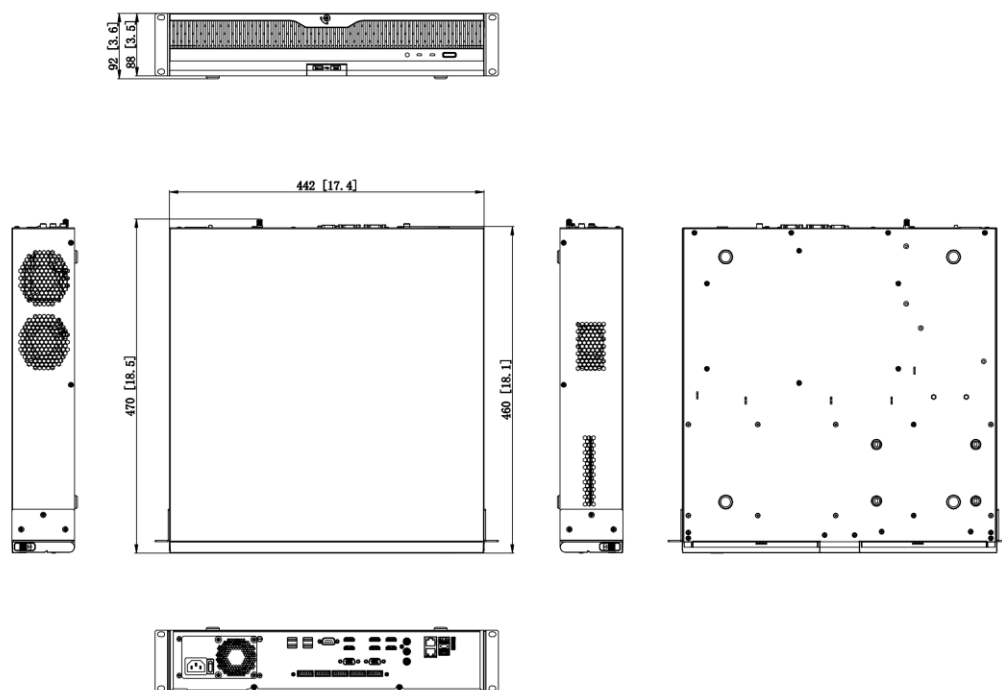| Working Temperature	-10 to 55°C (14 to 131° F)
Working Humidity	10 to 90%
Dimension (W × D × H)	442 mm × 460 mm × 88 mm (17.4 × 18.1 × 3.5 inch)
Weight	≤ 10 kg (without HDD, 28.7 lb.)
Certification	
Obtained Certification	CE, IC, CB, Rohs, Reach, WEEE, RCM, UKCA, LOA
CE	EN 55032:2015+A1:2020, ENIEC61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019, EN 50130-4:2011+A1:2014, EN 55035:2017+A11:2020

▪ Physical Interface

No.	Description	No.	Description
1	eSATA interface	9	Alarm out
2	Fiber	10	RS-232 serial interface
3	LAN interfaces	11	RS-485 serial interface
4	Audio in and out	12	USB 3.0 interfaces
5	HDMI input and HDMI loopback	13	GND
6	VGA 1 and VGA 2 interfaces	14	Power switch
7	Alarm in	15	Power supply
8	HDMI interfaces		

▪ Available Model

DS-9664NXI-S8 (D) (STD)

DS-9664NXI-S8 (D) (NEU)

▪Dimension

92 [3.6]
88 [3.5]

442 [17.4]

470 [18.5]

460 [18.1]

Unit:mm [inch]

SCALE	1:1

See Far, Go Further

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