DS-9664NTI-R16
64-ch 3U 8K NVR

Key Feature

- 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
- Intelligent analytics supports facial recognition, perimeter protection, video structuralization, AcuSearch
- Up to 8-ch IP speakers can be connected
- 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

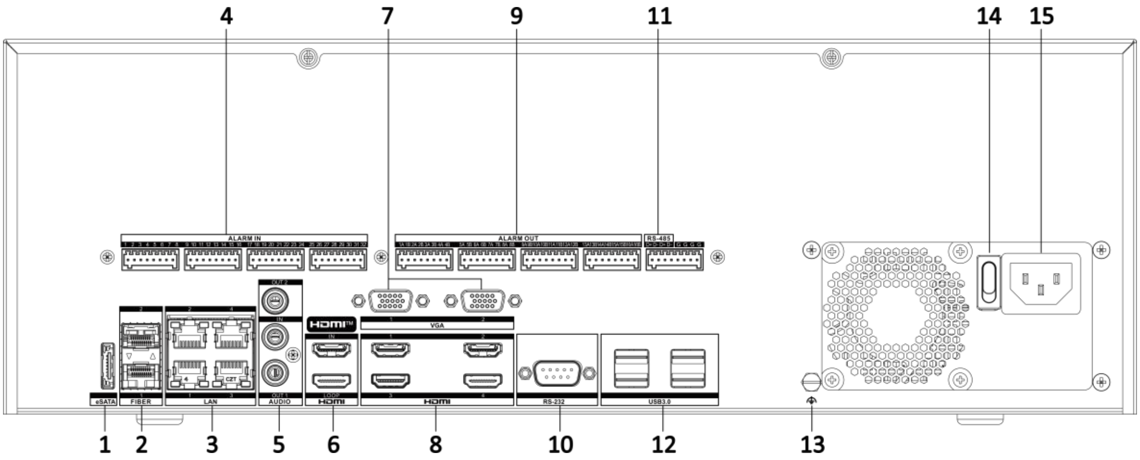
Specification

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 NVR	Up to 32-ch
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	1280 Mbps
Outgoing Bandwidth	1024 Mbps
Incoming Bandwidth (RAID Mode)	640 Mbps
Outgoing Bandwidth (RAID mode)	512 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™, HTTP, HTTPS, ONVIF (version 2.2), OTAP
API	ONVIF (profile S/G); 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	16 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	32/16
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
Consumption	≤ 100 W (without HDD)
Working Temperature	-10 to 55°C (14 to 131° F)
Working Humidity	10 to 90%
Dimension (W × D × H)	442 mm × 497 mm × 146 mm (17.4 × 19.5 × 5.7 inch)
Weight	≤ 12 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


4
7
9
11
14
15
ALARM IN
ALARM OUT
RS-485
VGA
eSATA
FIBER
LAN
AUDIO
HDMI
RS-232
USB3.0
1
2
3
5
6
8
10
12
13

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	Alarm in	12	USB 3.0 interfaces
5	Audio in and out	13	GND
6	HDMI input and HDMI loopback	14	Power switch
7	VGA 1 and VGA 2 interfaces	15	Power supply
8	HDMI interfaces		

▪ Available Model

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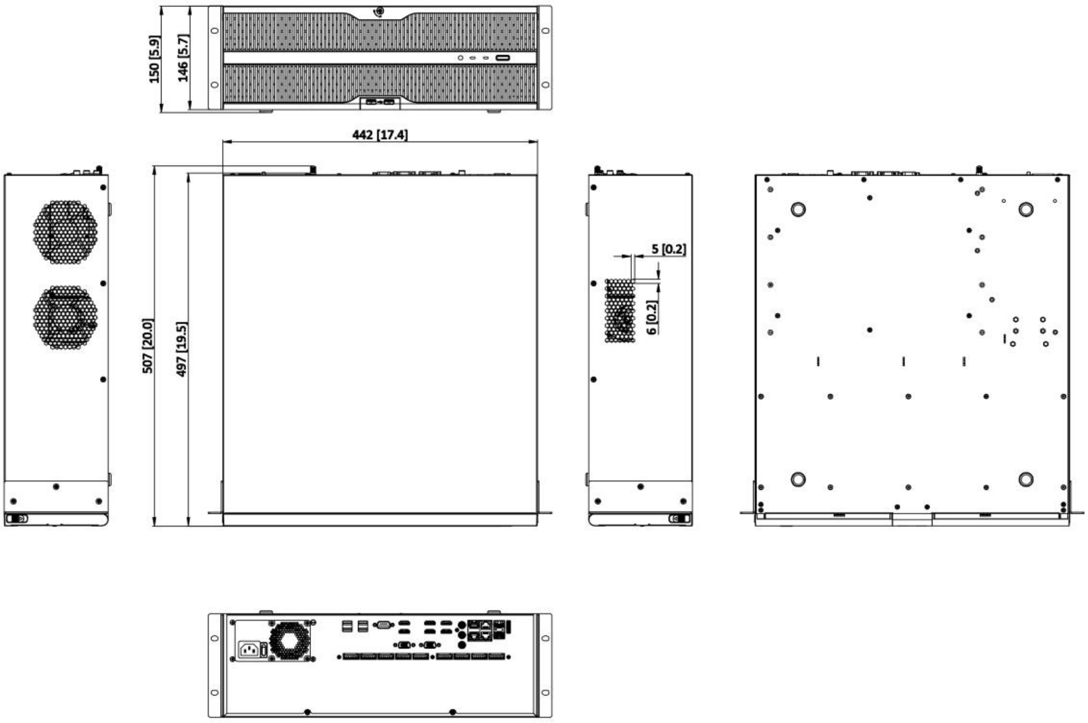
▪ Dimension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146 [5.7]
442 [17.4]
507 [20.0]
497 [19.5]
5 [0.2]
6 [0.2]

Unit:mm [inch]

SCALE	1:1

See Far, Go Further

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