iDS-96064NXI-H16R(UHK)
64-ch 3U 8K DeepinMind Super NVR

Key Feature

- Up to 64-ch IP camera inputs
- Up to 1000 Mbps incoming bandwidth, 1000Mbps recording and 1000 Mbps outgoing bandwidth
- H.265+/H.265/H.264+/H.264 video formats
- RAID 0, 1, 5, 6, 10 and N+M hot spare for even more reliable data storage, effectively avoids data loss risks
- Various AI functions, including facial recognition, perimeter protection powered by large model, video structuralization, and AcuSearch
- Intelligent analytics based on deep learning algorithm
- All channels perimeter protection powered by large model
- Up to 40-ch facial recognition for video stream, or up to 64-ch facial recognition for face picture
- Up to 30-ch video structuralization
- Up to 20-ch AcuSearch
- Up to 8-ch IP speakers can be connected
- Redundant power supply, Failover

Profession 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, VGA, DP and V-DP outputs
- HDMI video output at up to 8K resolution or dual 4K resolution

Storage and Playback

- Up to 16 SATA interfaces for HDD connection
- Up to 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 (Automatic Number-Plate Recognition), and people counting

● POS information overlay on live view and playback, and POS triggered recording and alarm

Network & Ethernet Access

● 4 self-adaptive 10M/100M/1000M/2500M Ethernet interfaces

● Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management

● Smooth streaming technology
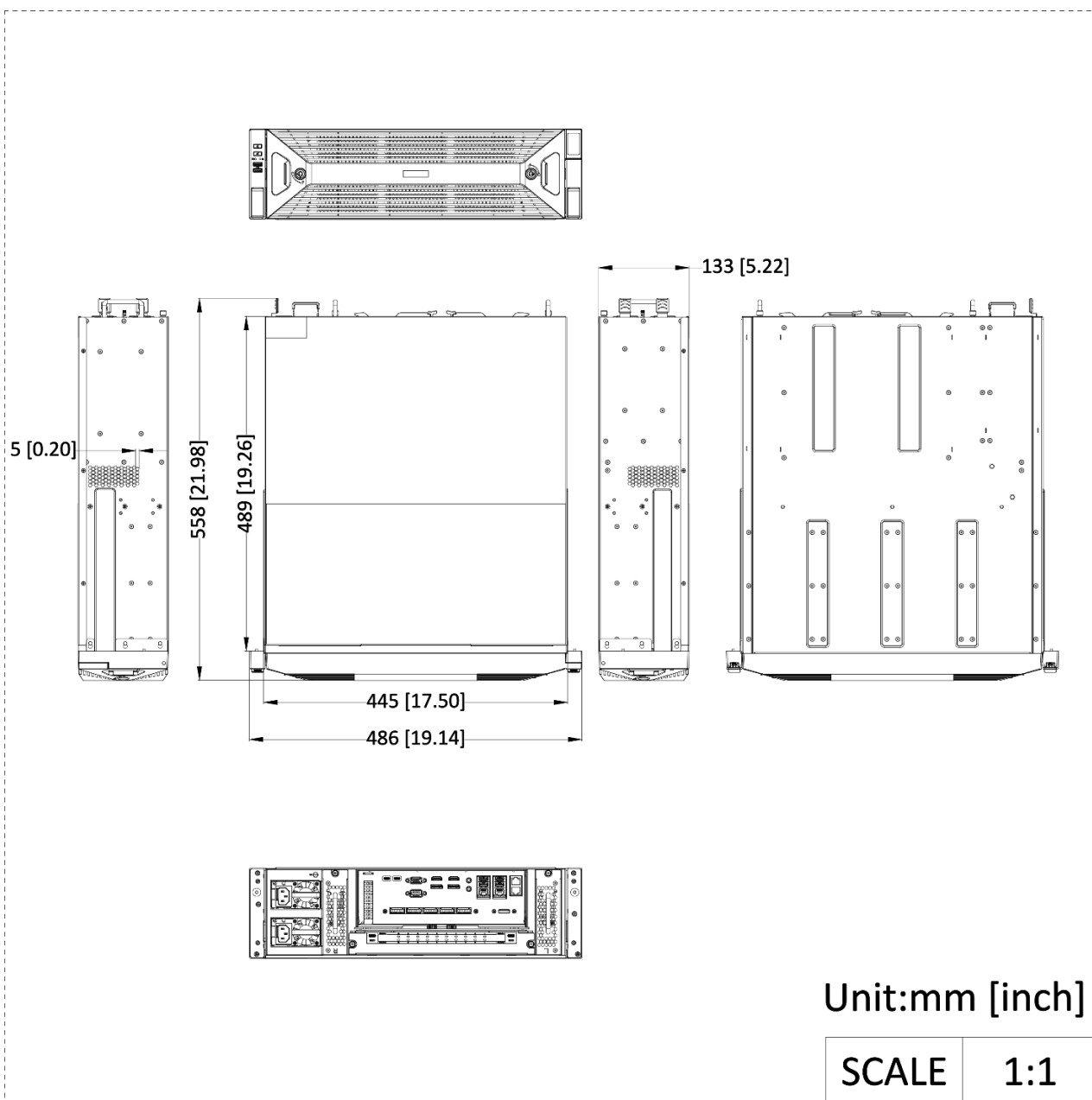
● Support web access without plug-in

▪ Specification

Intelligent Analytics	
AI by NVR	Facial recognition, perimeter protection, video structuralization, AcuSearch
AI by Camera	Facial detection, facial recognition, perimeter protection, video structuralization, motion detection2.0, ANPR, people counting, heat map, VCA, metadata , stereo analysis
Engine	5, each engine can run an intelligent algorithm, engine mode is adjustable
Facial Recognition	
Facial Detection and Analytics	Face picture comparison, human face capture, face picture search
Face Attributes	Wearing glasses, wearing a mask, facial expression, body temperature
Face Picture Library	Up to 64 face picture libraries, up to 500,000 face pictures in list library, up to 300,000 face pictures in stranger library, up to 50,000,000 face pictures in face capture (each picture ≤ 6 MB, total capacity ≤ 40 GB)
Face Picture Comparison	64-ch face picture comparison alarm (24 pictures per second each engine)
Facial Detection and Analytics Performance	Each engine supports 8-ch 4 MP or 4-ch 8 MP face capture, 24 face pictures per second
AcuSearch	
By NVR	Up to 20-ch (4-ch for each engine)
By Camera	All channels *: The camera should enable AcuSearch function
Perimeter Protection	
By NVR	Perimeter protection without large model (each engine): 12-ch 2 MP or 8-ch 4 MP or 4-ch 8 MP Perimeter protection powered by large model (each engine): 8 images per second
By Camera	Perimeter protection powered by large model with AcuSense cameras: All channels

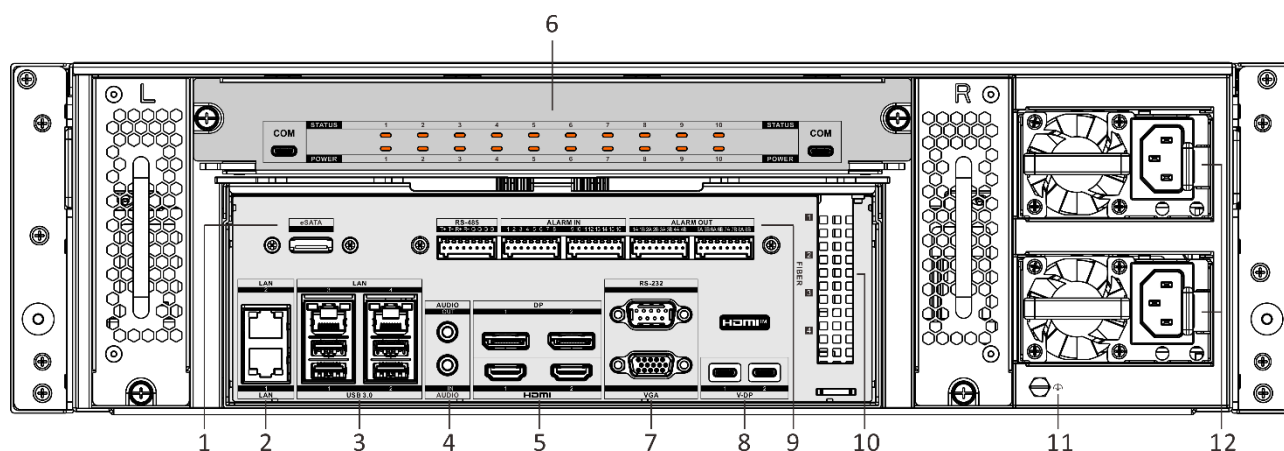| Video Structuralization	
Structured Analysis	30-ch 2 MP (6-ch for each engine), up to 8 MP
Video and Audio	
IP Video Input	64-ch
HDMI 1 Output	4K (4096 × 2160)/30 Hz, 4K (3840 × 2160)/30 Hz, 2K (2560 × 1440)/60 Hz, 1920 × 1080/60 Hz
Incoming Bandwidth	1000 Mbps
Recording Bandwith	1000 Mbps
Outgoing Bandwidth	1000 Mbps
HDMI 2 Output	4K (4096 × 2160)/30 Hz, 4K (3840 × 2160)/30 Hz, 2K (2560 × 1440)/60 Hz, 1920 × 1080/60 Hz
VGA 1 Output	1920 × 1080/60 Hz
Audio Output	1-ch, 3.5mm
Two-Way Audio	1-ch, 3.5mm
Synchronous Playback	16-ch
Incoming Bandwidth (RAID Mode)	1000 Mbps
Outgoing Bandwidth (RAID mode)	1000 Mbps
VGA Output	1920 × 1080/60 Hz
Video Output Mode	Provide 4 groups of video outputs. The video outputs in the same group provide simultaneous output, and the video outputs between each group provide independent output. Group 1: HDMI 1/VGA/LCD Group 2: HDMI 2 Group 3: DP 1/V-DP 1 Group 4: DP 2/V-DP 2 Note: After enabling DP 1/DP 2, V-DP 1/V-DP 2 would be unavailable.
Decoding	
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
Decoding Format	H.265+/H.265/H.264+/H.264
Synchronous Playback	16-ch
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)
Live View Window Division	64/36/32/25/16/9/8/6/4/2/1

Audio Compression	G.711ulaw/G.711alaw/G.722/G.726/AAC/MP2L2/PCM

Network	
Network Interface	4, RJ-45 10/100/1000/2500 Mbps self-adaptive Ethernet interface
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
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; 3.5-inch HDD
eSATA	1 eSATA interface
Capacity	Up to 20 TB capacity for each disk
Alarm In/Out	16/8
USB Interface	Front panel: 2 × USB 2.0; Rear panel: 4 × USB 3.0
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	≤ 150 W (without HDD)
Working Temperature	0 °C to + 50 °C (32 °F to 122 °F)
Working Humidity	10% to 90%
Dimension (W × D × H)	445 × 490 × 133 mm (17.50" × 19.26" × 5.22")
Weight	≤25 kg (without HDD, 55.1 lb.)
Certification	
Obtained Certification	CE, CB, KC, Rohs, Reach, WEEE, UKCA, LOA

▪**Dimension**

133 [5.22]

5 [0.20]

558 [21.98]

489 [19.26]

445 [17.50]

486 [19.14]

Unit:mm [inch]

SCALE	1:1

▪ Physical Interface

No.	Description	No.	Description
1	eSATA interface	7	RS-232 and VGA interfaces
2	LAN 1 and LAN 2 interfaces	8	V-DP 1 and V-DP 2 interfaces
3	USB 3.0, LAN 3, and LAN 4 interfaces	9	RS-485, ALARM IN, and ALARM OUT
4	AUDIO IN and AUDIO OUT	10	FIBER
5	HDMI 1, HDMI 2, DP 1, and DP2 interfaces **(DP port can also be used as HDMI Ports via convertor)**	11	GND
6	COM	12	100 to 240 VAC power supply

▪ Available Model

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