

iDS-96128NXI-I16/AI 128-ch 3U 4K DeepinMind Super NVR

▪ Features and Functions

- Importable algorithm models
- Up to 128-ch network camera inputs
- H.265+/H.265/H.264+/H.264/MPEG4 video compression
- Up to 32 MP live view, storage, and playback resolution
- Up to 512 Mbps incoming bandwidth
- 16 SATA interfaces (up to 10 TB capacity for each HDD)
- HDD hot swapping with RAID 0/1/5/6/10



▪ Profession and Reliability

- 4 analysis modes: Live video analysis, auto-switch video analysis, scheduled capture analysis, offline picture analysis
- Compatible with AI Training Platform
- H.265+ compression effectively reduces the storage space by up to 75%
- ANR (Automatic Network Replenishment) technology enhances storage reliability when network exception occurs
- Either normal or hot spare working mode is configurable to constitute an N+1 hot spare system

▪ Video and Storage

- Full channel recording at up to 32 MP resolution
- 16 SATA interfaces (up to 10 TB capacity per HDD)

▪ VCA & 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

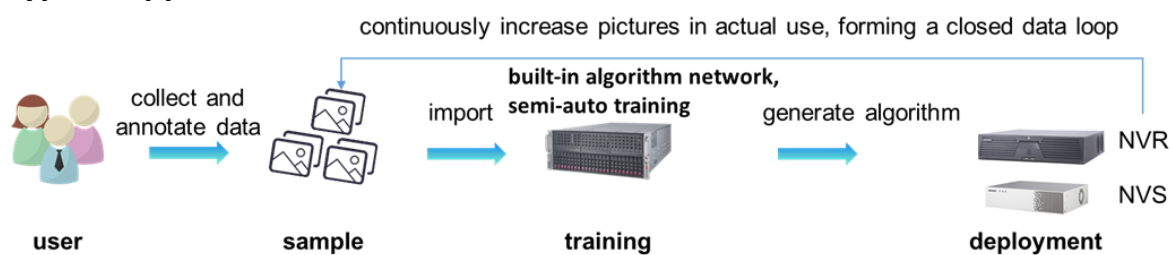
▪ Live view and Playback

- Up to 10-ch@4 MP decoding for live view
- Up to 16-ch synchronous playback
- HDMI1 output at up to 4K (3840 × 2160) resolution
- Simultaneous HDMI1/VGA output as the main output, and simultaneous HDMI2/VGA output as auxiliary output

▪ Network & Ethernet Access

- 4 self-adaptive 10/100/1000 Mbps Ethernet interfaces
- Hik-Connect for easy network management

▪ Typical Application

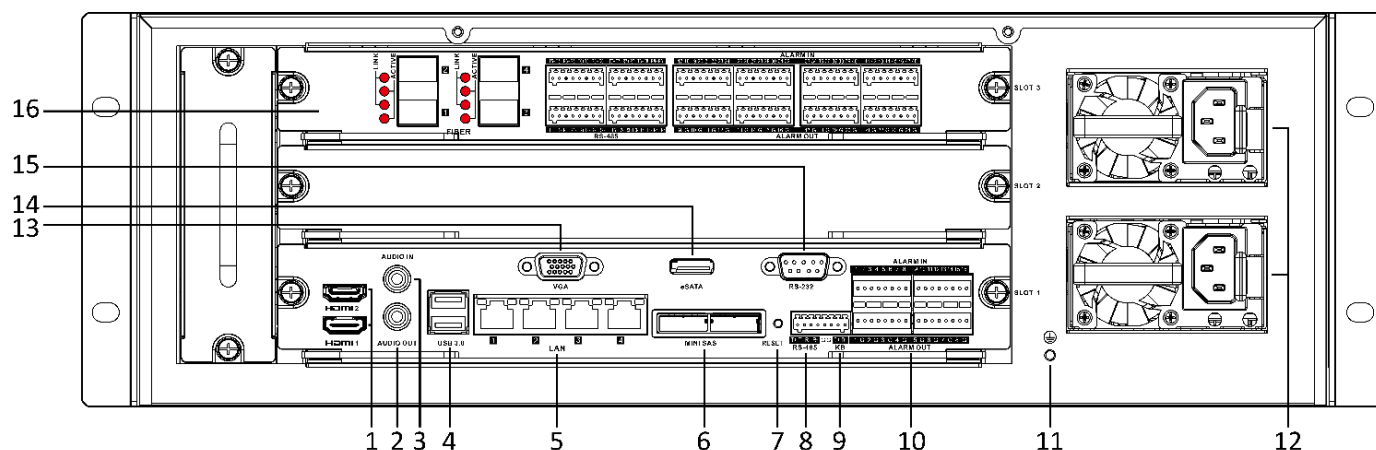


▪ Specification

Smart Engine Unit	
GPU number	8
Facial Recognition	
Facial Detection and Analytics	Face picture comparison, human face capture, face picture search
Face Picture Library	Up to 64 face picture libraries, with up to 500,000 face pictures in total (each picture ≤ 6 MB, total capacity ≤ 40 GB)
Facial Detection and Analytics Performance	32-ch 4 MP human face capture (HD network camera, up to 8 MP, H.264/H.265)
Face Picture Comparison	64-ch face picture comparison alarm
AI Open Platform Performance	
Live Video Analysis	32-ch for 4 MP resolution, or 16-ch for 8 MP resolution, support H.265+/H.265/H.264+/H.264
Auto-switch Video Analysis	Up to 128-ch, support H.265+/H.265/H.264+/H.264, up to 8 MP resolution
Scheduled Capture Analysis	Up to 128-ch, picture resolution up to 4096 × 4096, each picture size ≤ 8 MB, support GIF/JPEG/TIFF/PNG/BMP picture formats
Offline Picture Analysis	Each time upload up to 500 pictures, each picture size ≤ 2 MB, support GIF/JPEG/TIFF/PNG/BMP picture formats
Video and Audio	
IP Video Input	128-ch Up to 12 MP resolution *: When ultra HD resolution mode is enabled, 32 MP and 24 MP is only available for channel 1 to channel 4.
HDMI Output	2-ch independent HDMI interface, 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
VGA Output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
LCD Output	7-inch LCD
Incoming Bandwidth	512 Mbps
Outgoing Bandwidth	512 Mbps
Audio Output	1-ch, RCA (2.0 Vp-p, 1 KΩ)
Audio Input	1-ch, RCA (2.0 Vp-p, 1 KΩ)
Decoding	
Decoding Format	H.265+/H.265/H.264+/H.264/SVAC/MJPEG/MPEG4
Decoding Capability	5-ch@8 MP (30 fps)/10-ch@4 MP (30 fps)/20-ch@1080p (30 fps)/40-ch@720p (30 fps) *: The length or width of camera resolution (each track) cannot exceed 4096 pixels.
Synchronous playback	16-ch
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 *: 32 MP and 24 MP is only available for channel 1 to 4 when ultra HD resolution mode is enabled.
Stream Type	Video, Video & Audio
Dual-stream	Support
Audio Compression	G.711ulaw/G.711alaw/G.722/G.726/AAC/MP2L2

Network	
Network Protocol	TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS
Remote Connection	256
Network Interface	4, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
RAID	
RAID Type	RAID0, RAID1, RAID5, RAID6, RAID10(at least 4 TB for each HDD)
Auxiliary Interface	
SATA	16 SATA interfaces supporting hot-plug
eSATA	1 eSATA interface
Capacity	Up to 10 TB capacity for each HDD
Fiber Optic Interface	4, gigabit Ethernet SFP interface (on extension board)
Serial Interface	RS-232; RS-485 (full-duplex); Keyboard
USB Interface	Front panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0
Alarm In/Out	48/24 (main board: 16/8; extension board: 32/16)
Extension Board	1; With 4 × gigabit Ethernet SFP interfaces, 8 × RS-485 (full-duplex), 32 alarm inputs, and 16 alarm outputs
mini SAS	2 miniSAS interfaces
General	
Power Supply	100 to 240 VAC, 50 to 60Hz, redundant power supply
Consumption	≤ 140 W (without HDD)
Working Temperature	0 °C to 50 °C (32 °F to 122 °F)
Working Humidity	10% to 90 % RH (no freezing and no condensation)
Chassis	3U
Dimension (W × D × H)	446 × 495 × 133 mm (17.6 × 19.5 × 5.2 inch)
Weight	≤ 23 kg (without HDD, 44 lb)
Certification	
FCC	Part 15 Subpart B, ANSI C63.4
CE	EN 55032:2015, EN 61000-3-2, EN 61000-3-3, EN 50130-4
Obtained Certification	CE, FCC, CB, WEEE

Physical Interface

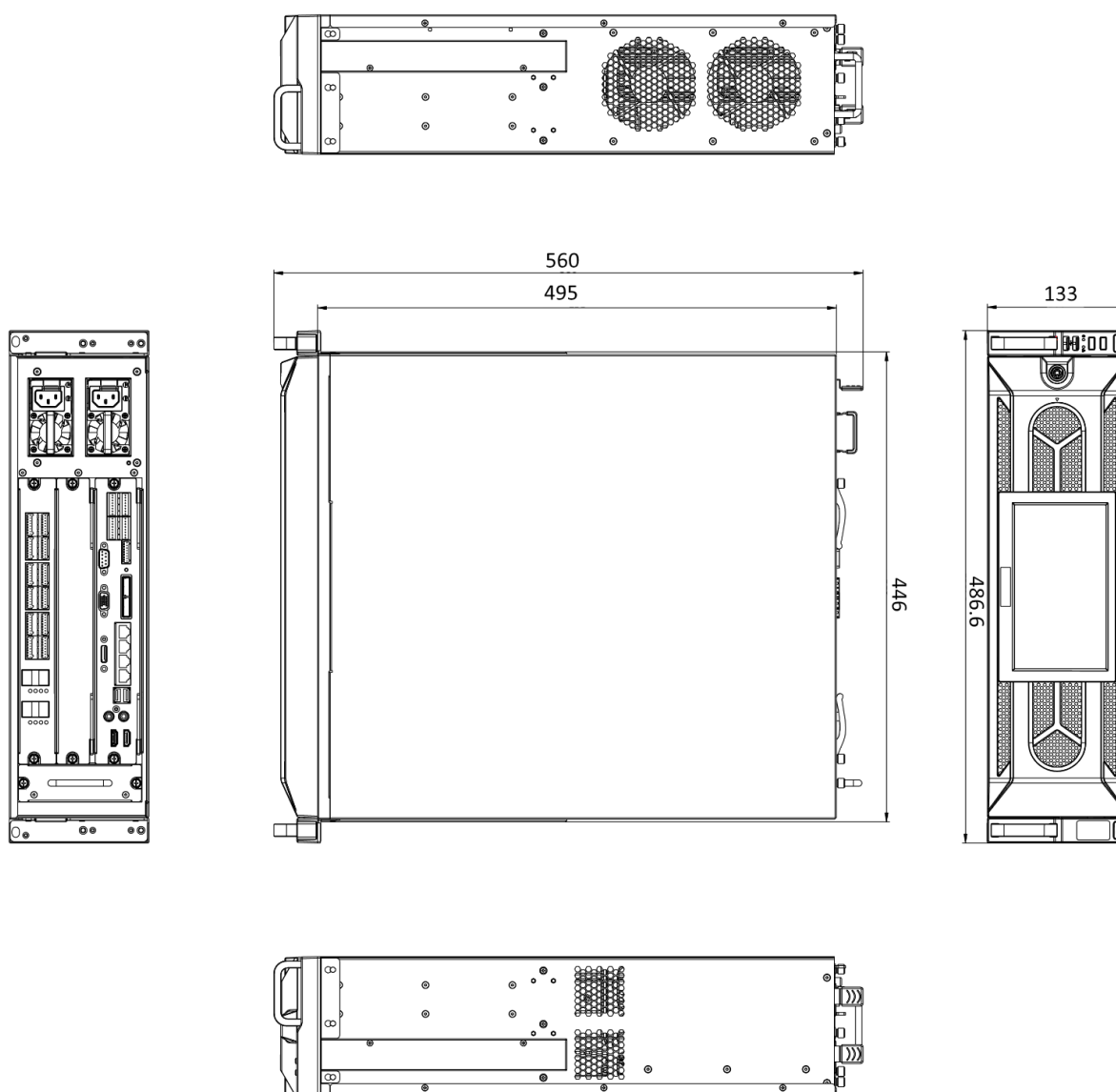


No.	Description	No.	Description
1	HDMI 1&2 interface	9	Keyboard interface
2	AUDIO OUT	10	ALARM IN/OUT
3	AUDIO IN	11	GND
4	USB interface	12	100 to 240 VAC power supply
5	LAN interface	13	VGA interface
6	MiniSAS interface	14	eSATA interface
7	Reset button	15	RS-232 interface
8	RS-485 interface	16	Extension board

Available Model

iDS-96128NXI-I16/AI(C)

■ Dimension



scale/1:1;Unit/mm

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