

## iDS-96256NXI-I24 DeepinMind NVR

### Key Feature

- Up to 64-ch facial recognition for video stream, or up to 128-ch facial recognition for face picture
- Up to 96-ch video structuralization
- Up to 64 libraries and 500,000 face pictures
- Up to 168-ch human and vehicle recognition of perimeter protection to reduce false alarms
- Up to 64-ch throwing objects from building
- Up to 256-ch network camera inputs
- Up to 768 Mbps incoming and 512 Mbps outgoing bandwidth
- Up to 20-ch 1080p decoding capability
- 24 SATA interfaces (up to 10 TB capacity for each HDD)
- HDD hot swapping with RAID 0/1/5/6/10
- Redundant power supply
- 7-inch LCD touch-screen



### Profession and Reliability

- H.265+ compression effectively reduces the storage space by up to 75%
- Adopt professional embedded hardware (Intel® processor) and software, and pioneering dual-OS design to ensure the reliability of system running.
- Redundant power supply ensures system stability
- ANR (Automatic Network Replenishment) technology enhances storage reliability when network exception occurs
- Adopt stream over TLS encryption technology which provides more secure stream transmission service
- Support double verification for playback and downloading

### Video and Storage

- Compatible with third-party network cameras, such as ACTI, Arecont, AXIS, Bosch, Brickcom, Canon, ONVIF, PANASONIC, Pelco, SAMSUNG, SANYO, SONY, Vivotek and ZAVIO
- 24 SATA interfaces (up to 10 TB capacity per HDD), 1 eSATA interface and 2 miniSAS interfaces provided for HDD connection



## Network & Ethernet Access

- 4 self-adaptive 10M/100M/1000M Ethernet interfaces
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- 4 gigabit Ethernet SFP fiber interfaces
- Smooth streaming technology
- Support web access without plug-in

## Live view and Playback

- Up to 20-ch@1080p decoding for live view
- Up to 16-ch synchronous playback at 1080p resolution
- Dual 4K (4096 × 2160) HDMI outputs

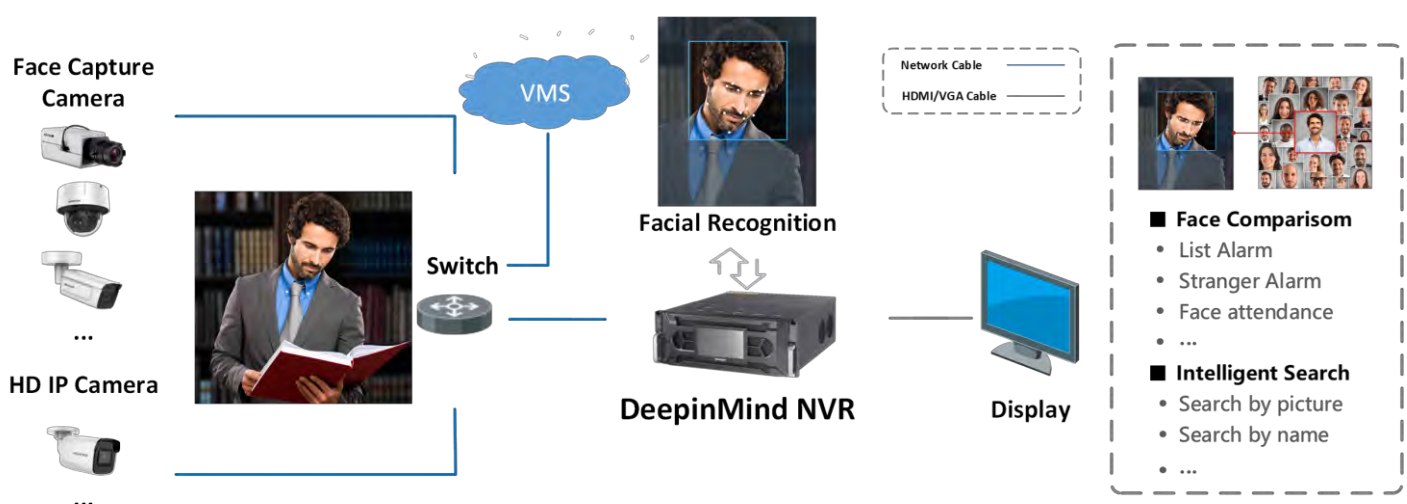
## Application and Management

- Centralized management of network cameras, including configuration, information import/export, real-time information display, two-way audio, upgrade, etc.
- Configurable network camera smart functions, such as VCA detection (motion, line crossing, intrusion, etc.), heat map, ANPR, and people counting
- Deep learning based video analytics for false alarm reduction, facial recognition and face picture comparison
- VCA search for facial detection, false alarm reduction, people counting and heat map

## Typical Application

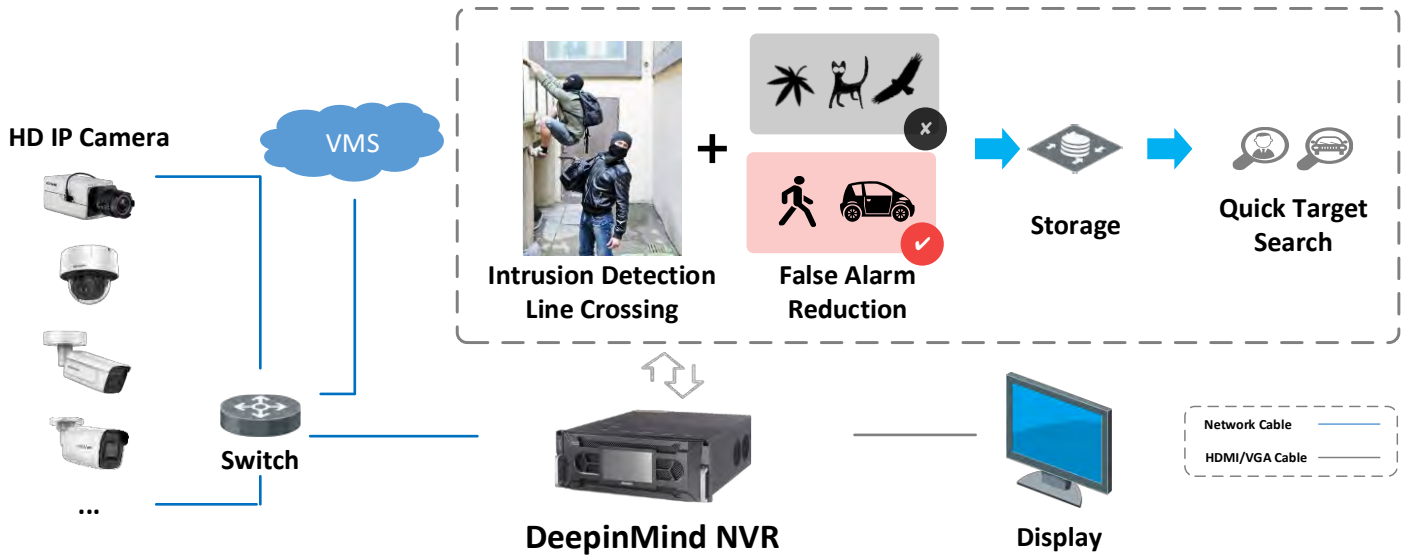
### Facial Recognition and Face Picture Comparison

Modeling and analyzing face pictures captured by cameras. Realize list alarm and stranger alarm via face picture library. Search target people by picture and name features.



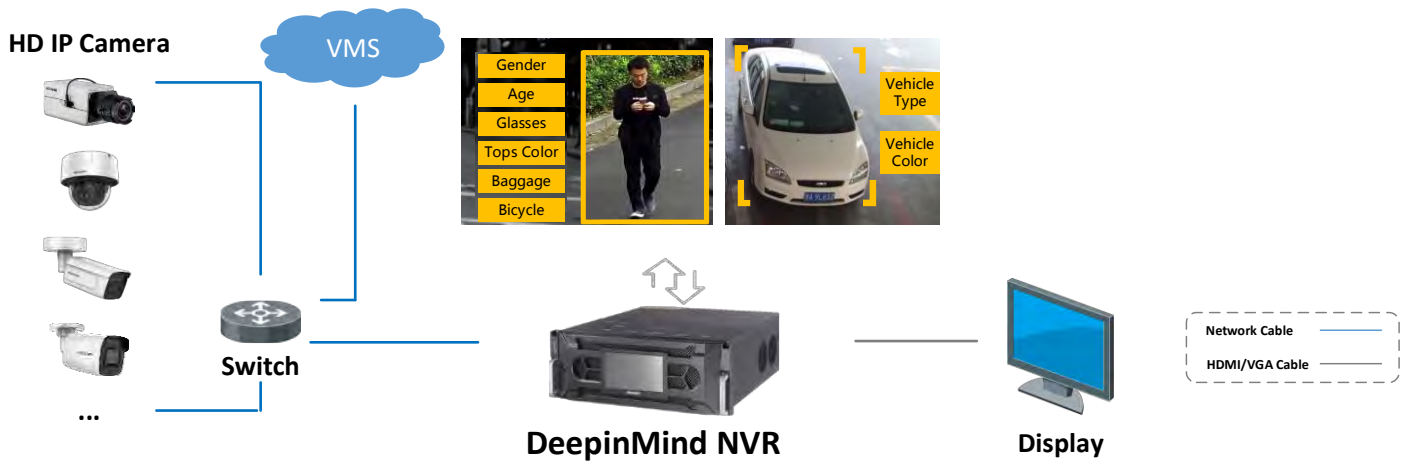
### Perimeter Protection

Adopt deep learning algorithm to reduce false alarm, effectively reduces the false alarm caused by tree branches, leaves, shadow, light, vehicles, small animals, etc.



### Video Structuralization

Extracting the face picture, human body and vehicle features from live videos, which is used for the tracking and retrieval of human and vehicles.

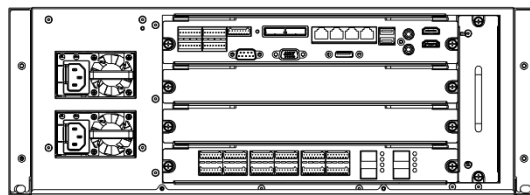
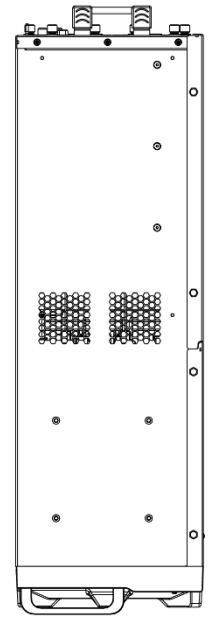
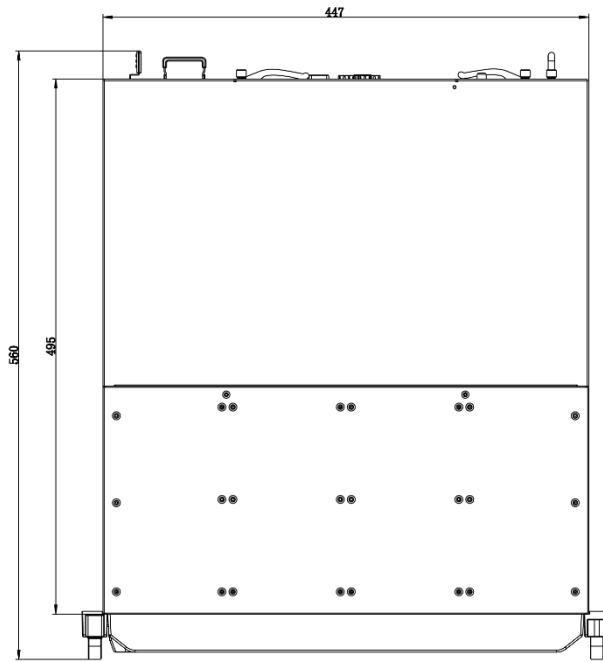
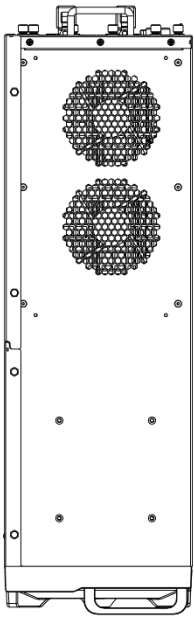
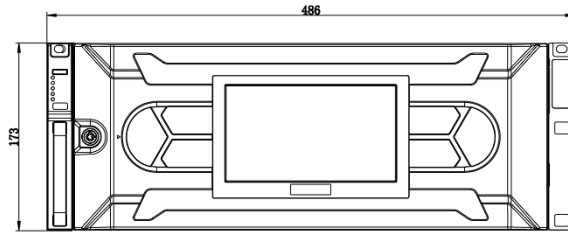


## Specification

<b>Model</b>	<b>iDS-96256NXI-I24</b>
<b>Smart Analysis</b>	
<b>Facial detection and analytics</b>	Face picture comparison, human face capture, face picture search
<b>Face picture library</b>	Up to 64 face picture libraries, with up to 500,000 face pictures in total (each picture ≤ 6 MB, total capacity ≤ 20 GB)
<b>Face picture comparison</b>	128-ch face picture comparison alarm
<b>Performance of facial detection and analytics</b>	64-ch 8 MP human face capture (HD network camera, H.264/H.265)
<b>Perimeter Protection</b>	
<b>Human/Vehicle analysis</b>	Up to 168-ch 2 MP (H.264/H.265) video analysis for human and vehicle recognition to reduce false alarm
<b>Video Structuralization</b>	
<b>Structured analysis</b>	Up to 96-ch 2 MP (H.264/H.265) video structured analysis
<b>Throwing Objects from Building</b>	
<b>Capability</b>	Up to 64-ch 2 MP (H.264/H.265) video analysis
<b>Video and Audio</b>	
<b>IP video input</b>	256-ch
	Up to 12 MP resolution *: 32 MP and 24 MP is only available for channel 1 to 4 when ultra HD resolution mode is enabled.
<b>Incoming bandwidth</b>	768 Mbps
<b>Outgoing bandwidth</b>	512 Mbps
<b>VGA output</b>	1-ch, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
<b>HDMI output</b>	2-ch, 4K (4096 × 2160)/30Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
<b>LCD output</b>	7-inch LCD
<b>Audio input</b>	1-ch, RCA (2.0 Vp-p, 1 KΩ)
<b>Audio output</b>	1-ch, RCA (2.0 Vp-p, 1 KΩ)
<b>Two-way audio input</b>	1-ch, RCA (2.0 Vp-p, 1 KΩ, using the audio input)
<b>Decoding</b>	
<b>Decoding format</b>	H.265+/H.265/H.264+/H.264/MJPEG/MPEG4
<b>Recording resolution</b>	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.
<b>Synchronous playback</b>	16-ch
<b>Capability</b>	1-ch@32 MP (30 fps)/5-ch@8 MP (30 fps)/10-ch@4 MP (30 fps)/20-ch@1080p (30 fps)/40-ch@720p (30 fps)
<b>Dual stream recording</b>	Support
<b>Stream type</b>	Video, Video & Audio

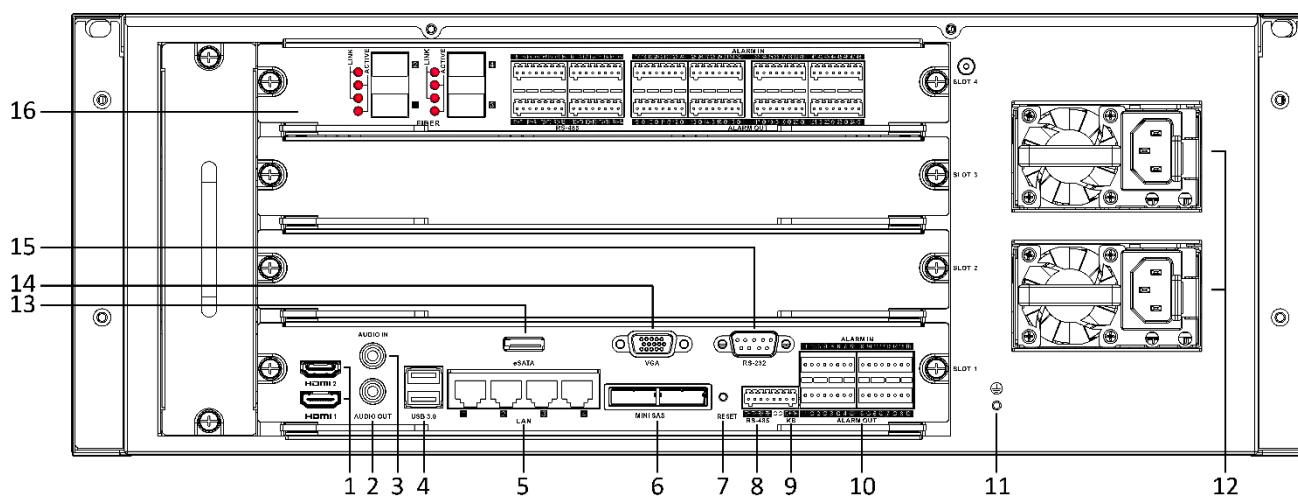
<b>Audio compression</b>	G.711ulaw/G.711alaw/G.722/G.726/MP2L2
<b>Network</b>	
<b>Remote connections</b>	256
<b>Network protocol</b>	TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS
<b>Network interface</b>	4, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
<b>RAID</b>	
<b>RAID Type</b>	RAID0, RAID1, RAID5, RAID6, and RAID10 (at least 4 TB for each HDD)
<b>Auxiliary interface</b>	
<b>Fiber interface</b>	4, gigabit Ethernet SFP interface (on extension board)
<b>Serial port</b>	RS-232; RS-485 (full-duplex); Keyboard
<b>SATA</b>	24 SATA interfaces supporting hot-plug
<b>Capacity</b>	Up to 10 TB capacity for each disk
<b>eSATA</b>	1 eSATA interface
<b>MiniSAS</b>	2 miniSAS interfaces
<b>Alarm in/out</b>	48/24 (main board: 16/8; extension board: 32/16)
<b>USB interface</b>	Front panel: 1 × USB 2.0; Rear panel: 2 × USB 3.0
<b>Extension board</b>	1; With 4 × gigabit Ethernet SFP interfaces, 8 × RS-485 (full-duplex), 32 alarm inputs, and 16 alarm outputs
<b>General</b>	
<b>Processor</b>	Quad-Core Intel® Xeon® E3
<b>Memory</b>	16 GB
<b>Power supply</b>	100 to 240 VAC, 50 to 60 Hz
<b>Fan</b>	Dual ball bearing fan; Speed adjustable
<b>Consumption (without HDD)</b>	≤ 140 W
<b>Working temperature</b>	0 °C to 50 °C (32 °F to 122 °F)
<b>Working humidity</b>	10% to 90%
<b>Dimension (W × D × H)</b>	447 × 495 × 173 mm (17.6 × 19.5 × 6.8 inch)
<b>Weight (without HDD)</b>	≤ 26 kg (57.3 lb)
<b>Certification</b>	
<b>Obtained Certification</b>	CE, FCC, CB, WEEE
<b>FCC</b>	Part 15 Subpart B, ANSI C63.4
<b>CE</b>	EN 55032:2015, EN 61000-3-2, EN 61000-3-3, EN 50130-4

# Dimension



Unit: mm

## Physical Interface



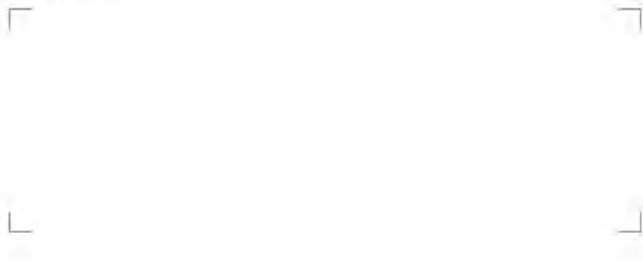
No.	Description	No.	Description
1	HDMI1/HDMI2 Interface	9	Keyboard Interface
2	AUDIO OUT, RCA Connector	10	ALARM IN/OUT
3	AUDIO IN, RCA Connector	11	Ground
4	USB 3.0 Interface	12	100 to 240 VAC Power Supply
5	LAN Network Interface	13	eSATA Interface
6	MiniSAS Interface	14	VGA Interface
7	Reset Button	15	RS-232 Interface
8	RS-485 Interface	16	Extension Board



## Available Model

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