DS-8616NXI-K8

Key Feature

- Up to 16-ch IP camera inputs

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

- Up to 2-ch @ 12MP or 3-ch @ 8MP or 6-ch @ 4MP or 12-ch @ 1080P decoding capacity

- Up to 160 Mbps incoming bandwidth

- 2 HDMI (different source) and 2 VGA (different source) interfaces

- 8 HDD can be used for continuous video recording

- Intelligent analytics based on deep learning algorithm

Professional and Reliability

- H.265+ compression effectively reduces the storage space by up to 75%
- Adopt stream over TLS encryption technology which provides more secure stream transmission service

HD Video Output

- 2 HDMI (different source) and 2 VGA (different source) interfaces
- HDMI video output at up to 4K resolution

Storage and Playback

- 8 SATA interfaces for HDD connection (up to 10 TB capacity per HDD)
- 16-ch synchronous playback

Smart Function

- 2-ch perimeter protection
- 1-ch facial recognition for video stream, or 4-ch facial recognition for face picture
- Smart search for the selected area in the video, and smart playback to improve the playback efficiency

Network & Ethernet Access

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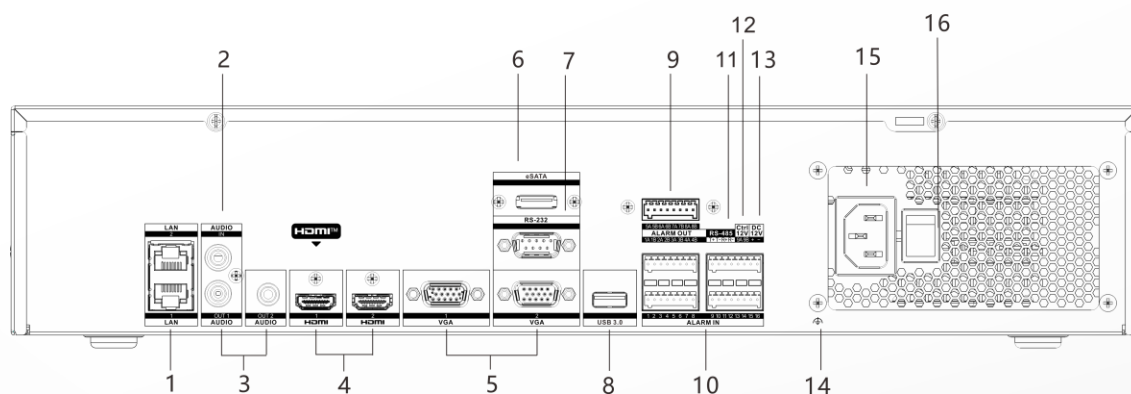- Hik-Connect for easy network management

▪ Specification

Facial Recognition	
Facial Detection and Analytics	Face picture comparison, human face capture, face picture search
Face Picture Library	Up to 16 face picture libraries, with up to 50,000 face pictures in total (each picture ≤ 4 MB, total capacity ≤ 1 GB)
Facial Detection and Analytics Performance	1-ch human face capture (HD network camera, up to 8 MP, H.264/H.265)
Face Picture Comparison	4-ch
Motion Detection 2.0	
By Device	All channels, 4 MP video analysis for human and vehicle recognition to reduce false alarm
By Camera	All channels
Perimeter Protection	
Human/Vehicle Analysis	2-ch, 4 MP (HD network camera, up to 8 MP, H.264/H.265) video analysis for human and vehicle recognition to reduce false alarm
Video and Audio	
IP Video Input	16-ch
Incoming Bandwidth	160 Mbps
Outgoing Bandwidth	160 Mbps
HDMI 1 Output	4K (3840×2160)/60 Hz, 4K (3840×2160)/30 Hz, 1920×1080/60 Hz, 1600×1200/60 Hz, 1280×1024/60 Hz, 1280×720/60 Hz, 1024×768/60 Hz
HDMI 2 Output	1920×1080p/60 Hz, 1280×1024/60 Hz, 1280×720/60 Hz, 1024×768/60 Hz
VGA 1 Output	1920 × 1080p/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz
VGA 2 Output	1920 × 1080p/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz
Video Output Mode	HDMI 1 and VGA 1 provide simultaneous video output, and work as the main output; HDMI 2 and VGA 2 provide simultaneous video output, and work as the auxiliary output
Audio Output	2-ch, RCA (Linear, 1 K Ω)
Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1 KΩ, using the audio input)
Decoding	
Decoding Format	H.265+/H.265/H.264+/H.264
Recording Resolution	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Synchronous playback	16-ch
Decoding Capability	AI on: 1-ch@12MP (30fps)/2-ch@8 MP (30 fps)/4-ch@4 MP (30 fps)/8-ch@1080p(30 fps) AI off: 2-ch@12MP (30fps)/3-ch@8 MP (30 fps)/6-ch@4 MP (30 fps)/12-ch@1080p(30 fps)
Stream Type	Video, Video & Audio
Audio Compression	G.711ulaw/G.711alaw/G.722/G.726/AAC
Network	
Remote Connection	128-ch
Network Protocol	TCP/IP, DHCP, IPv4, Hik-Connect, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS
Network Interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface

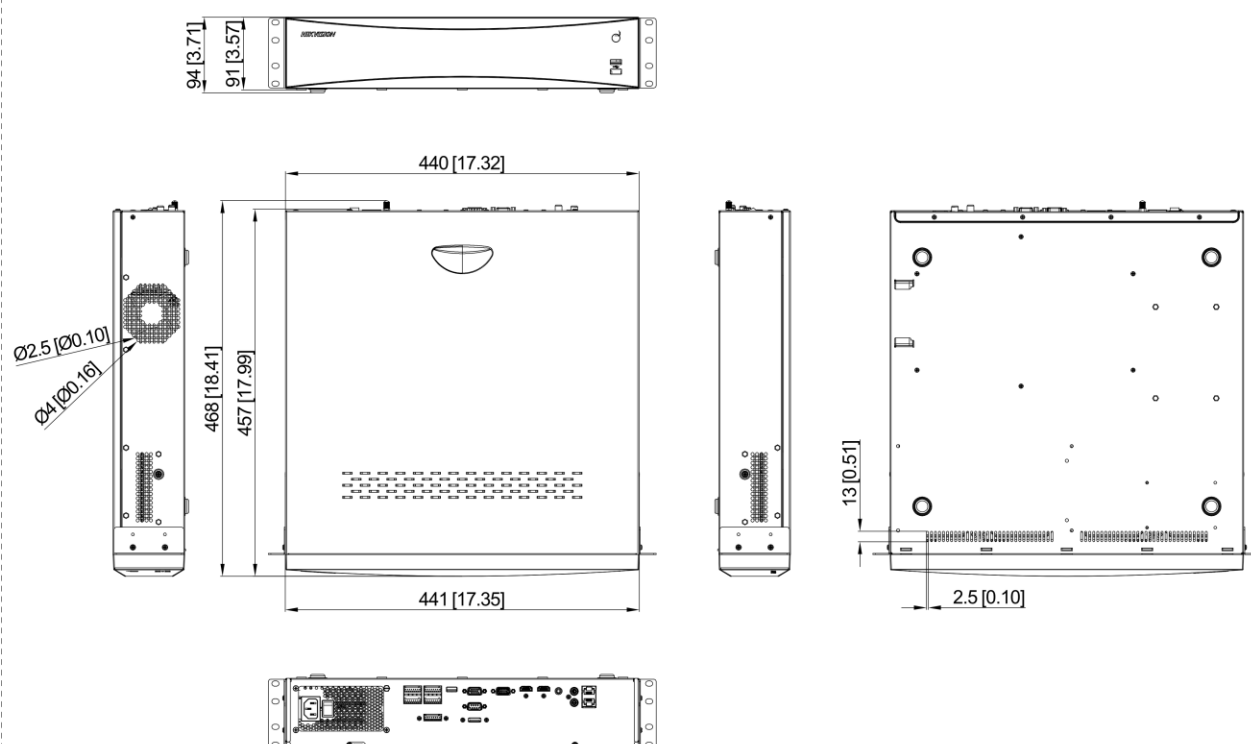| Auxiliary Interface	
Serial Interface	1 RS-232, 1 RS-485
SATA	8 SATA interfaces
eSATA	1 eSATA interface
Capacity	Up to 10 TB capacity for each disk
Alarm In/Out	16/9, the 9th alarm supports control 12V.
USB Interface	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
Power output	12V DC
General	
Power Supply	100 to 240 VAC, 50 to 60 Hz
Consumption	≤ 30 W (without HDD)
Working Temperature	-10 °C to 55 °C (14 °F to 131 °F)
Working Humidity	10 to 90 %
Dimension (W × D × H)	441×457×91 mm (17.4"×18.0"×3.6")
Weight	≤ 8 kg (17.6 lb)
Certification	
Obtained Certification	CE, FCC, CB, IC, RCM, KCC, ICE-003
FCC	Part 15 Subpart B, ANSI C63.4-2014
CE	EN 55032:2015, EN 61000-3-2, EN 61000-3-3, EN 50130-4

▪ Physical Interface

No.	Description	No.	Description
1	LAN1/LAN2 Interface	9	Alarm Out
2	AUDIO IN	10	Alarm In
3	AUDIO OUT1/2	11	RS-485 Interface
4	HDMI1/HDMI2 Interface	12	Ctrl 12V Power Output
5	VGA1/VGA2 Interface	13	DC 12V Power Output
6	eSATA Interface	14	GND
7	RS-232 Interface	15	100 to 240 VAC Power Input
8	USB 3.0 Interface	16	Power Switch

▪ Available Model

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▪ Dimension

Unit:mm [inch]

| SCALE | 1:1 |

See Far, Go Further

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