

DS-7616NXI-I2/16P/S AcuSense Series NVR



- H.265+/H.265/H.264+/H.264 video formats
- Intelligent analytics based on deep learning algorithm
- Up to 4-ch perimeter protection
- Up to 1-ch facial recognition for video stream
- Up to 4-ch facial recognition for face picture
- Up to 16-ch IP camera inputs
- Up to 16-ch 1080p decoding capability



▪ Approval

FCC-SDoC
IC-VoC
RCM
CB
CE-LVD
CE-EMC

▪ Function

Compression and Recording

- H.265+ compression effectively reduces the storage space by up to 75%
- Full channel IP cameras connection
- Compatible to third-party network cameras

HD Video Output

- Provide independent HDMI and VGA outputs
- HDMI video output at up to 4K resolution

Storage and Playback

- Up to 2 SATA interfaces for HDD connection
- 16-ch synchronous playback at up to 1080p resolution

Smart & 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

Network & Ethernet Access

- 16 independent PoE network interfaces
- 1 self-adaptive 10/100/1000 Mbps Ethernet interfaces
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management

▪ Specification

Host Configuration	
内部研发型号	DS-7616NXI-I2/16P/S
Motherboard Model	
Motherboard model	DS-80373(V1.2)-16P-2G
Control Unit	
Motherboard Chip	K51
FLASH	256M+256M NAND FLASH
System memory	2G
Smart Engine Unit	
GPU chip	H92
GPU number	1

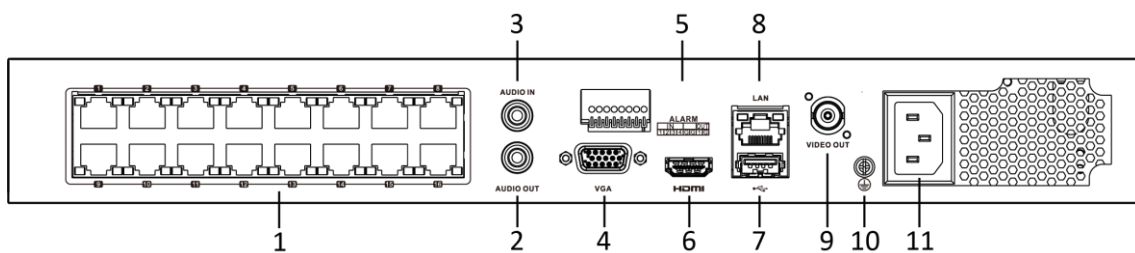
Module memory	1G
Facial Recognition	
Face Picture Library	Up to 16 face picture libraries, with up to 10,000 face pictures in total (each picture ≤ 512 KB, total capacity ≤ 150 MB)
Face Picture Comparison	4-ch face picture comparison alarm
Facial Detection and Analytics	Face picture comparison, human face capture, face picture search
Facial Detection and Analytics Performance	1-ch human face capture (HD network camera, up to 8 MP, H.264/H.265)
Perimeter Protection	
Human/Vehicle Analysis	Up to 4-ch 2 MP (H.264/H.265) video analysis for human and vehicle recognition to reduce false alarm
Video and Audio	
IP Video Input	16
Incoming Bandwidth	160 Mbps
Outgoing Bandwidth	256 Mbps
HDMI Output	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 HDMI/VGA simultaneous output
CVBS Output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480
Audio Output	1-ch, RCA (Linear, 1 KΩ)
Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1 KΩ)
VGA Output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Decoding	
Decoding Format	H.265,H.265+,H.264,H.264+,MPEG4
Recording Resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Playback Mode	Normal/Smart, Event, Tag, Eternal File
Synchronous playback	16-ch
Live View Window Division	1/4/6/8/9/16
Aux Port Window Division	1/4/6/8/9/16
Decoding Capability	16-ch @ 1080p (30 fps)
Audio Compression	G.711ulaw,G.711alaw,G.722,G.726,MP2L2
Network	
Network Interface	1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
PoE	
Interface	16, RJ-45 10/100 Mbps self-adaptive Ethernet interface
Power	≤ 200W
Standard	IEEE 802.3 af/at
Auxiliary Interface	
SATA	2 SATA interfaces
Capacity	Up to 8 TB capacity for each disk
Serial Interface	RS-485 (half-duplex), RS-232, Keyboard
Alarm In/Out	4/1
USB Interface	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0
eSATA	1个eSATA接口

General	
Power Supply	≤ 280 W
Power Parameter	100 to 240 VAC, 50 to 60 Hz
Fan	Support
Consumption	≤ 15W
Working Temperature	-10°C~ + 55°C
Working Humidity	10% ~ 90%
Chassis	1U
Dimension (W × D × H)	385 × 315 × 52 mm (11.6"× 9.5" × 1.6")
Weight	≤ 3 kg (6.6 lb)
Others	
IR remote control	Support
Panel	MB-262
Temperature sensor	N/A
Slide rail	N/A
Mounting ear	1 pair (build-in)
Package	彩包

▪ Available Model

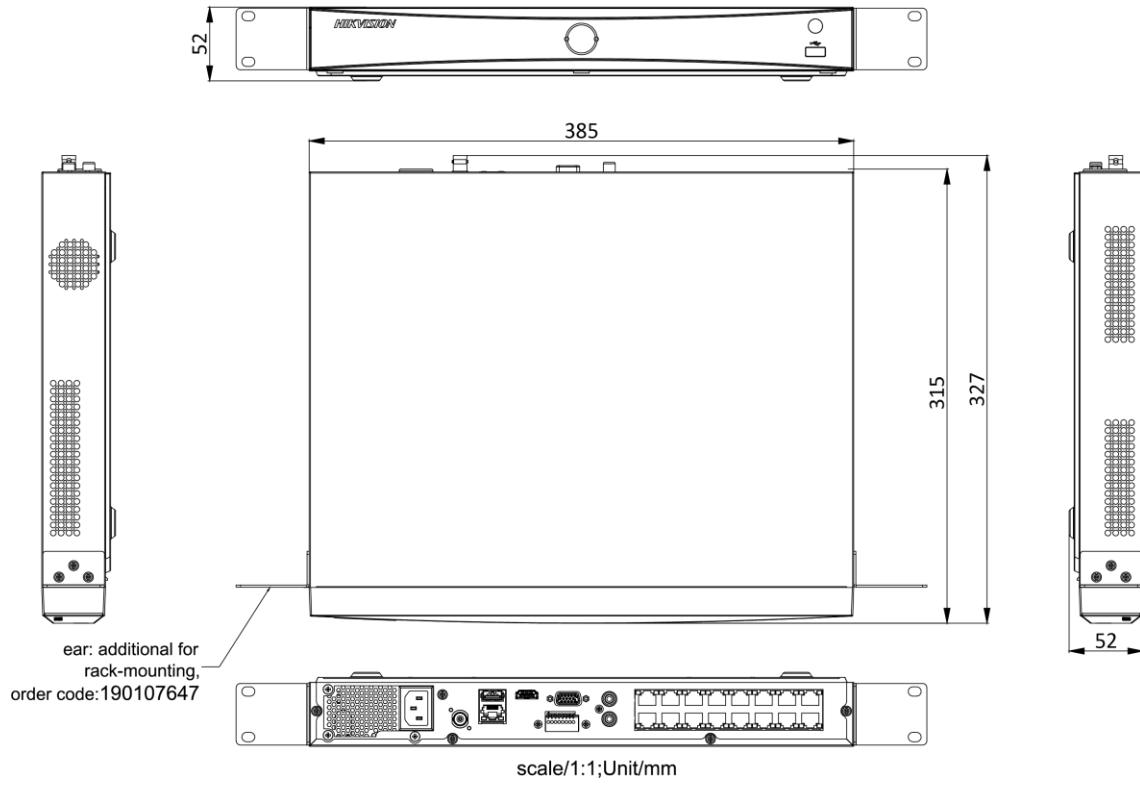
DS-7616NXI-I2/16P/S(标配),DS-7616NXI-I2/16P/S(中性),DS-7616NXI-I2/16P/S(标配)(B),DS-7616NXI-I2/16P/S(中性)(B),

▪ Physical Interface



No.	Description	No.	Description
1	PoE Interface	7	USB Interface
2	AUDIO OUT	8	LAN Network Interface
3	AUDIO IN	9	VIDEO OUT
4	VGA Interface	10	GND
5	ALARM IN/OUT	11	Power Supply
6	HDMI Interface		

▪ Dimension



▪ Accessory

Distributed by

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