DS-7604NXI-K1/4P/VPro
4-ch PoE 1U K Series AcuSense 4K NVR

- Up to 4-ch AcuSeek and AcuSearch function
- Adopt Hikvision AcuSense technology to minimize manual effort and security costs
- Accurate perimeter protection effectively reduces false alarms
- Automatic cameras connection and configuration
- Up to 4-ch IP camera inputs, plug & play with 4 Power-over-Ethernet (PoE) interfaces
- Up to 3-ch@12 MP or 6-ch@8 MP or 12-ch@4 MP or 24-ch@1080p decoding capacity
- H.265+/H.265/H.264+/H.264 video formats
- Up to 40 Mbps incoming bandwidth

▪ Function

Smart Function

2-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

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

Provide simultaneous HDMI and VGA outputs

HDMI video output at up to 4K resolution

Storage and Playback

Up to 1 SATA interface for HDD connection (up to 16 TB)

4-ch synchronous playback

Network & Ethernet Access

4 independent PoE network interfaces

1 self-adaptive 10/100 Mbps Ethernet interface

Hik-Connect for easy network management

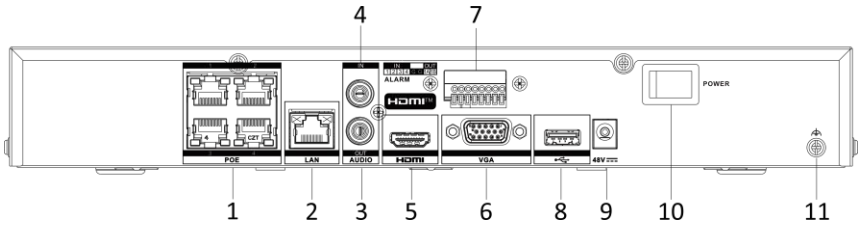
▪ Specification

Intelligent Analytics	
AI by NVR	Facial recognition, perimeter protection, motion detection 2.0, AcuSearch, AcuSeek
AI by NVR and Camera	Facial recognition, perimeter protection, motion detection2.0, ANPR, VCA
AcuSearch	
By Camera	All channels *: The camera should enable AcuSearch function
AcuSeek	
Performance	If the cameras support Hikvision AcuSense Technology and have enabled AcuSearch function, the NVR supports AcuSeek in all channels, capable of modeling 50,000 targets/day.
Search Language	English
Perimeter Protection	
By NVR	Video analysis (HD network camera, H.264/H.265) for human and vehicle recognition to reduce false alarm. Up to 4 MP: 2-ch; 5 MP to 8 MP: 1-ch
By Camera	All channels
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 ≤ 1 MB, total capacity ≤ 800 MB)
Face Picture Comparison	8-ch
Facial Detection and Analytics Performance	Up to 4 MP: 2-ch; 5 MP to 8 MP: 1-ch
Motion Detection 2.0	
By NVR	All channels, up to 4 MP (when enhanced SVC mode is enabled, up to 8 MP) video analysis for human and vehicle recognition to reduce false alarm
By Camera	All channels
Video and Audio	
IP Video Input	4-ch
Incoming Bandwidth	40 Mbps
Outgoing Bandwidth	80 Mbps
IP Speaker Input	4-ch
Video Output Mode	HDMI/VGA independent output
HDMI 1 Output	4K (3840 × 2160)/30 Hz, 2K (2560 × 1440)/60 Hz, 1080P (1920 × 1080)/60 Hz, UXGA (1600 × 1200)/60 Hz, SXGA (1280 × 1024)/60 Hz, 720P (1280 × 720)/60 Hz
VGA 1 Output	1080P (1920 × 1080)/60 Hz, UXGA (1600 × 1200)/60 Hz, SXGA (1280 × 1024)/60 Hz, 720P (1280 × 720)/60 Hz
Audio Input	Two-Way Audio 1-ch, RCA (2.0 Vp-p, 1 KΩ, using the audio input)
Audio Output	1-ch, RCA (Linear, 1 KΩ)
Decoding	
Decoding Format	H.265, H.265+, H.264, H264+
Recording Resolution	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF

Playback Mode	Normal/Smart, Event, Tag, External File
Synchronous playback	4-ch
Live View Window Division	1/2/4
Decoding Capability	AI on: 12-ch@1080p (30 fps) AI off: 24-ch@1080p (30 fps)
Stream Type	Video, Video & Audio
Audio Compression	G.711ulaw/G.711alaw/G.722/G.726/AAC/MP2L2
Network	
Network Interface	1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
Network Protocol	TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS
Remote Connection	128
PoE	
Interface	4, RJ-45 10/100 Mbps self-adaptive Ethernet interfaces
Power	≤ 50 W
Standard	IEEE 802.3af/at
Auxiliary Interface	
SATA	1 SATA interface
Capacity	Up to 16 TB capacity for each HDD
Alarm In/Out	4/1
USB Interface	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 2.0
General	
GUI Language	English,Russian,Bulgarian,Hungarian,Greek,German,Italian,Czech,Slovakia,French,Polish,Dutch,Portuguese,Spanish,Romanian,Turkish,Japanese,Danish,Swedish,Norwegian,Finnish,Korean,TraChinese,Thai,Estonia,Vietnamese,Croatian,Slovenian,Serbian,Latvian,Lithuanian,Uzbek,Kazak,Arabic,Hebrew,Ukrainian,Indonesian
Power Supply	48 VDC, 1.35 A
Consumption	≤ 10 W (without HDD)
Working Temperature	-10 °C to 55 °C (14 °F to 131 °F)
Working Humidity	10 to 90 %
Dimension (W × D × H)	319 mm × 240 mm × 48 mm (12.56 × 9.43 × 1.87 inch)
Weight	≤ 1 kg (without HDD, 2.6 lb.)
Certification	
CE	EN 55032: 2015, EN 61000-3-2, EN 61000-3-3, EN 50130-4, EN 55035: 2017
Obtained Certification	CE,CB,REACH,WEEE,UKCA,RCM,IC

▪ Physical Interface

No.	Description	No.	Description
1	Network interfaces with PoE function	7	Alarm in/alarm out
2	LAN network interface	8	USB interface
3	AUDIO OUT	9	DC 48V power supply
4	AUDIO IN	10	Power switch
5	HDMI interface	11	GND
6	VGA interface		

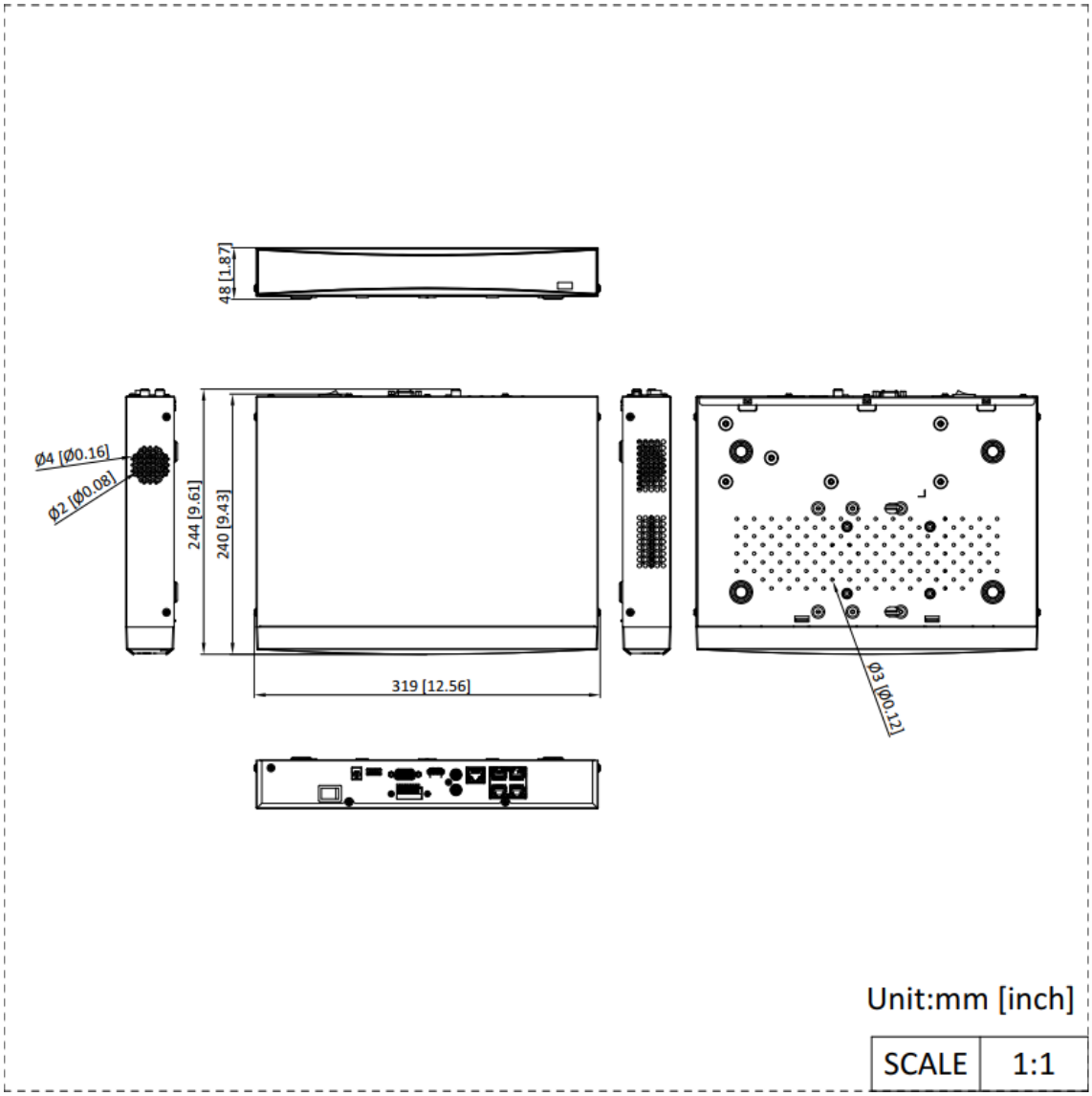


▪ Available Model

DS-7604NXI-K1/4P/VPro(STD)

DS-7604NXI-K1/4P/VPro(NEU)

▪ Dimension



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