DS-7616NXI-K1(E)
16-ch 1U K Series AcuSense 4K NVR





- Adopt Hikvision AcuSense technology to minimize manual effort and security costs
- Efficient playback with AcuSearch technology
- Accurate perimeter protection effectively reduces false alarms
- Automatic cameras connection and configuration
- Up to 16-ch IP camera inputs
- H.265+/H.265/H.264+/H.264 video formats
- Up to 3-ch@12 MP or 5-ch@8 MP or 10-ch@4 MP or 16-ch@2 MP decoding capacity
- Up to 160 Mbps incoming bandwidth

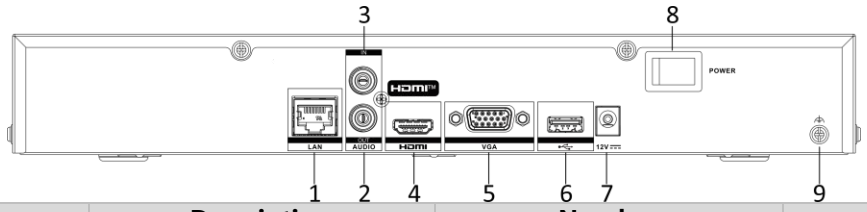
▪ Specification

Model		DS-7616NXI-K1(E)
Intelligent Analytics	AI by NVR	Facial recognition, perimeter protection, motion detection 2.0, AcuSearch
	AI by Camera	Facial recognition, perimeter protection, motion detection2.0, ANPR
AcuSearch	By Camera	All channels *: The camera should enable AcuSearch function
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; 8 MP to 5 MP: 1-ch
	By Camera	All channels
Target Recognition	Facial Detection and Analytics	Face picture comparison, human face capture, face picture search
	Facial Detection and Analytics Performance	Up to 4 MP: 2-ch; 8 MP to 5 MP: 1-ch
	Face Picture Comparison	8-ch
	Face Picture Library	Up to 16 face picture libraries, with up to 50,000 face pictures in total (each picture ≤ 1 MB, total capacity ≤ 1 GB)
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	16-ch
	IP Speaker Input	4-ch
	Incoming Bandwidth	160 Mbps
	Outgoing Bandwidth	80 Mbps
	HDMI Output	1-ch, 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, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz
	Video Output Mode	HDMI/VGA independent output
	Audio Output	1-ch, RCA (Linear, 1 KΩ)
	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	16 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF *: 16 MP is only available for channel 1.

	Synchronous playback	16-ch
	Decoding Capability	AI on: 2-channel 12 MP@30 fps, 4-channel 8 MP@30 fps, 5-channel 6 MP@30 fps, 8-channel 4 MP@30 fps, 10-channel 3 MP@30fps, 16-channel 2 MP@30fps AI off: 3-channel 12 MP@30 fps, 5-channel 8 MP@30 fps, 6-channel 6 MP@30 fps, 10-channel 4 MP@30 fps, 13-channel 3 MP@30fps, 16-channel 2 MP@30fps
	Stream Type	Video, Video and Audio
	Audio Compression	G.711ulaw/G.711alaw/G.722/G.726/AAC/MP2L2
Network	Remote Connection	128
	API	ONVIF (profile S/G); SDK; ISAPI
	Compatible Browser	IE 11, Chrome 91, Firefox 88, Safari 12, Edge 91,or above version
	Network Protocol	TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, iSCSI, ISUP, UPnP™, HTTP, HTTPS
	Network Interface	
Auxiliary Interface	SATA	1 SATA interface
	Capacity	Up to 16 TB capacity for each HDD
	Alarm In/Out	
	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, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Turkish, Japanese, Danish, Swedish, Norwegian, Finnish, Korean, Traditional Chinese, Thai, Estonian, Vietnamese, Croatian, Slovenian, Serbian, Latvian, Lithuanian, Uzbek, Kazakh, Arabic, Hebrew, Ukrainian, Indonesian
	Fan	Supports
	Power Supply	12 VDC, 1.5 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	≤ 2kg (without HDD, 3 lb.)
Certification	CE	EN 55032: 2015, EN 61000-3-2, EN 61000-3-3, EN 55035: 2017, EN 50130-4: 2014
	Obtained Certification	CE,CB,REACH,WEEE,UKCA,RCM,IC

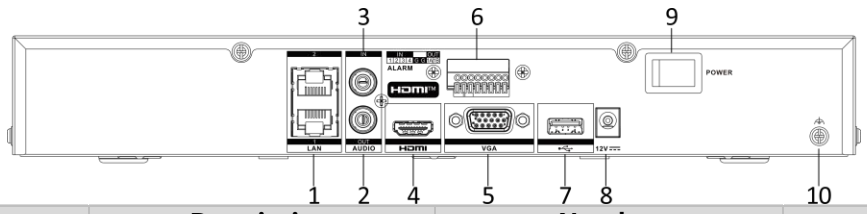
▪ Physical Interface

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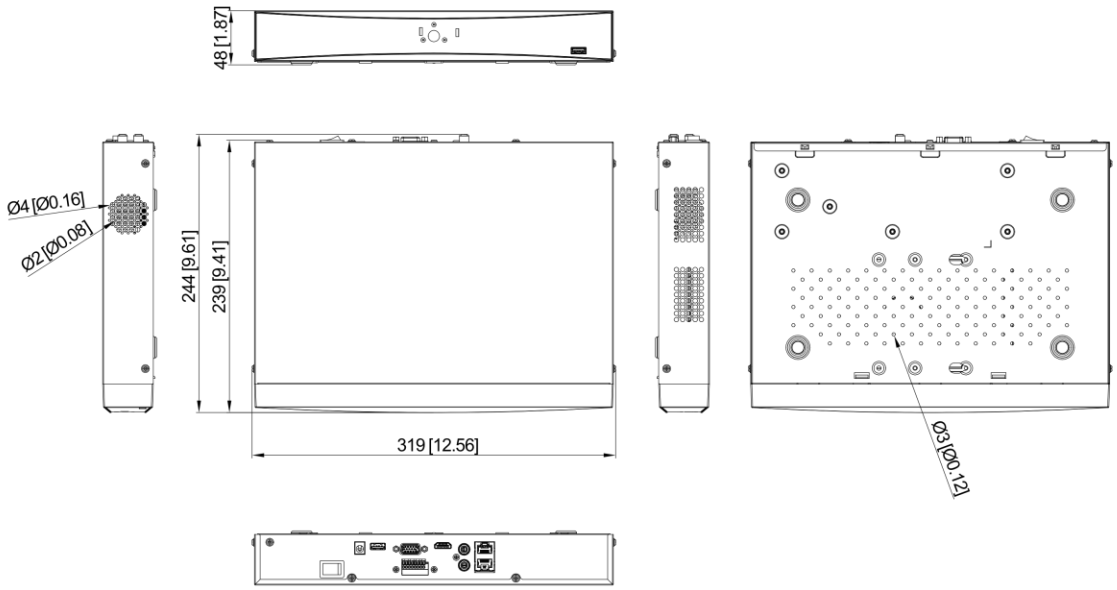
Number	Description	Number	Description
1	LAN network interface	6	USB interface
2	Audio out	7	12 VDC power input
3	Audio in	8	Power switch
4	HDMI interface	9	GND
5	VGA interface		

DS-7616NXI-K1(E)/IO4+1&2Lan



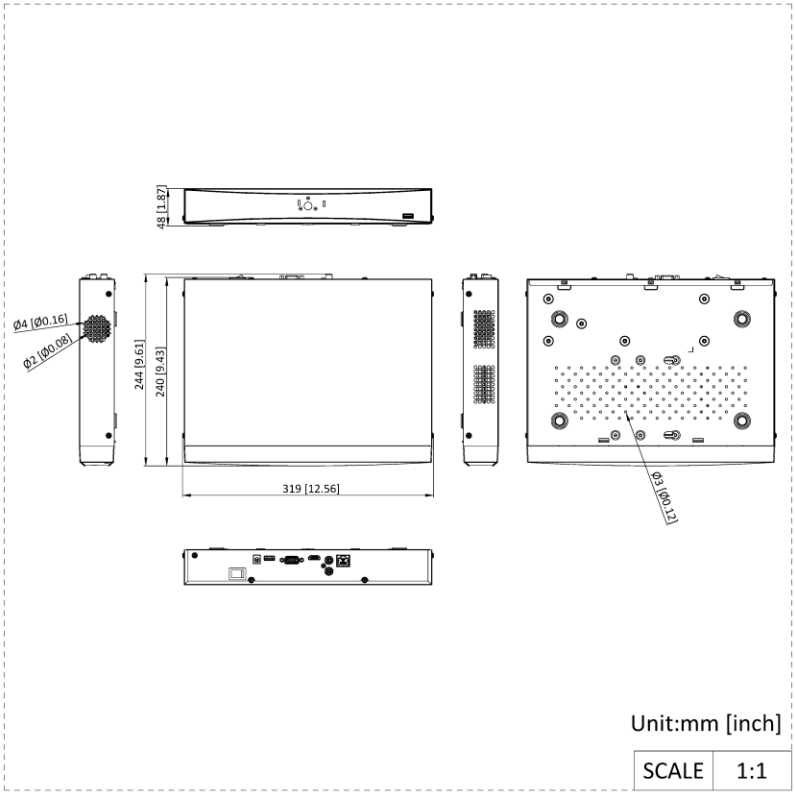
Number	Description	Number	Description
1	LAN network interface	6	Alarm in / Alarm out
2	Audio out	7	USB interface
3	Audio in	8	12 VDC power input
4	HDMI interface	9	Power switch
5	VGA interface	10	GND

▪ Dimension



Unit:mm [inch]

SCALE	1:1


48 [1.87]
Ø4 [Ø0.16]
Ø2 [Ø0.08]
244 [9.61]
240 [9.43]
319 [12.56]
Ø3 [Ø0.12]
Unit:mm [inch]
SCALE
1:1

See Far, Go Further

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