

iDS-9616NXIUHK-P8 DeepinMind Pro NVR



- Up to 2-ch@32 MP/2-ch@24 MP/4-ch@12 MP/8-ch@8 MP/16-ch@4 MP decoding capacity
- H.265+/H.265/H.264+/H.264 video formats
- Intelligent analytics based on Guanlan Large-Scale AI Models
- Up to 16-ch IP cameras can be connected
- Up to 16-ch AcuSeek and AcuSearch function
- Up to 16-ch perimeter protection
- Up to 16-ch facial recognition for video stream, or up to 16-ch facial recognition for face picture
- Up to 16-ch video structuralization

▪ Specification

Intelligent Analytics

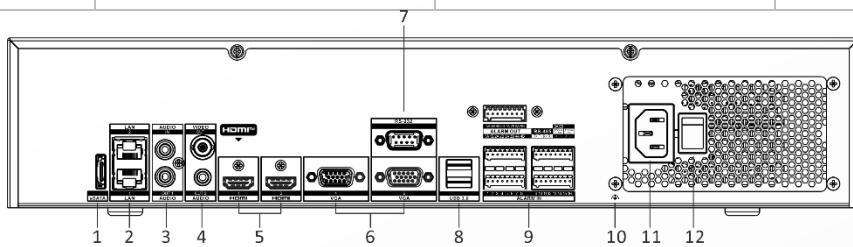
AI by NVR	Facial recognition, perimeter protection, video structuralization, AcuSearch
AI by Camera	Facial recognition, perimeter protection, video structuralization, AcuSearch, motion detection2.0, ANPR, people counting, VCA
Engine	<p>1 GPU engine, for AcuSeek and OVD</p> <p>2 GPU engines, each engine can run an intelligent algorithm, engine mode is adjustable, performance of each engine (choose 1 from 4):</p> <p>Facial recognition: 8-ch (4MP) video target capture or 32-ch image comparison</p> <p>Perimeter prevention: 12-ch (2MP) video analysis or 32-ch image analysis</p> <p>Video Structuralization: 8-ch (2MP) video structured analysis</p> <p>AcuSearch: support 16-ch (2MP) by NVR</p> <p>Note: To enable AcuSeek, at least one engine must be enabled in AcuSearch mode.</p>
Facial Recognition	
Facial Detection and Analytics	Face picture comparison, human face capture, face picture search
Face Picture Library	Up to 32 face picture libraries, up to 100,000 face pictures in list library
Face Picture Comparison (Captured from Camera)	16-ch; (32-ch for each engine); Comparison speed: 32 pictures per second
Facial Detection and Analytics Performance	16-ch(2MP-8ch./4MP-8ch./8MP-4ch. for each engine face pictures captured by NVR)
AcuSearch	
By NVR	Up to 16ch-2MP/8ch-4MP/4ch-8MP normal IP camera access to achieve AcuSearch.(1 GPU engine for target capture, 1 GPU engine for AcuSearch modeling)
By Camera	All channels, up to 600,000 targets/day The camera should enable AcuSearch function
AcuSeek	
Performance	The NVR supports 16ch-2MP/8ch-4MP/4ch-8MP normal IP camera access to achieve AcuSeek.(1 GPU engine for target capture, 1 GPU engine for AcuSearch modeling, 1 GPU engine for AcuSeek modeling) If the cameras support Hikvision AcuSense Technology and have enabled AcuSearch function, the NVR supports AcuSeek in all channels, capable of modeling 600,000 targets/day.
Search Language	English
Perimeter Protection	
By NVR	Perimeter protection powered by Large Model: 12-ch 2 MP or 8-ch 4MP or 4-ch 8MP. (1 GPU engine for live video analysis, 1 GPU engine for large model algorithm secondary analysis, capable of secondary analysis is 2 events/s) perimeter protection without Large Model: 24-ch 2 MP or 16ch-4MP or 8-ch 8MP
By Camera	Perimeter protection powered by Large Model with AcuSense cameras: All channels
Video Structuralization	
Structured Analysis	16-ch 2 MP 12-ch 4 MP 6-ch 8 MP
ANPR	
By Camera	All channels
Vehicle Attributes	Vehicle brand, vehicle color, vehicle type

Plate Attributes	Plate number, license plate color, license plate type
Video and Audio	
IP Video Input	16-ch Up to 32 MP resolution *: NVR supports up to 8-ch 32 MP/24 MP IP video inputs.
Incoming Bandwidth	300Mbps
Outgoing Bandwidth	300Mbps
HDMI 1 Output	8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz
HDMI 2 Output	4K (3840 × 2160)/60 Hz, 4K (3840 × 2160)/30 Hz, 2K (2560 × 1440)/60 Hz, 1080P (1920 × 1080)/60 Hz *: When HDMI 1 output resolution is 8K, the maximum HDMI 2 output resolution is 1080p.
VGA 1 Output	1920 × 1080/60Hz
VGA 2 Output	1920 × 1080/60Hz
Video Output Mode	HDMI1/VGA1 simultaneous output, HDMI2/VGA2 simultaneous output
CVBS Output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480
Audio Output	2-ch, RCA (Linear, 1 KΩ)
Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1 k Ω)
Decoding	
Decoding Format	H.265/H.265+/H.264/H.264+
Decoding Capability	2-ch@32 MP (30 fps)/2-ch@24 MP (30fps)/4-ch@16 MP (30fps)/8-ch@8 MP (30fps)/16-ch@4 MP (30fps)/32-ch@2 MP (30fps)
Synchronous Playback	16-ch
Recording Resolution	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/ 2CIF/CIF/QCIF
Network	
Remote Connection	128
Network Protocol	TCP/IP, DHCP, IPv4, IPv6, DNS, PPPoE, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS, ONVIF, OTAP, UDP, IP Filter
API	ONVIF (profile S/G); SDK; ISAPI
Compatible Browser	IE11, Chrome V57, Firefox V52, Safari V12, Edge V89, or above version
Network Interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
RAID	
RAID Type	RAID0, RAID1, RAID5, RAID6, RAID10
Auxiliary Interface	
Ctrl 12V	Controllable 12 VDC, 1 A power output for external alarm device; The power will be turned on when the alarm output is triggered. *: The Ctrl 12V power is controlled by alarm output 9.
DC 12V	12 VDC, 1 A power output
SATA	8 SATA interfaces; 3.5-inch HDD
eSATA	1 eSATA interface
Capacity	Up to 20 TB capacity for each HDD
Serial Interface	1 RS-232, 1 RS-485 (full-duplex)
USB Interface	Front panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0
Alarm In/Out	16/9

General	
CPU	Quad-core
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, Ukrainian, Kyrgyz, Brazilian Portuguese, Indonesian, Hebrew, Farsi, Azeri, Burmese
Power Supply	100 to 240 VAC, 50 to 60 Hz
Consumption	≤ 50 W (without HDD)
Working Temperature	-10 to 55°C (14 to 131°F)
Working Humidity	10 to 90%
Dimension (W × D × H)	442 × 540 × 88 mm (17.4" × 18.0" × 3.5")
Weight	≤ 8 kg (without HDD, 17.6 lb.)
Certification	
Obtained Certification	CE, IC, CB, RoHS, REACH, WEEE, RCM, UKCA, LOA
CE	EN 55032:2015+A1:2020, EN IEC61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019, EN 50130-4:2011+A1:2014, EN 55035:2017+A11:2020
Smart Engine Unit	
GPU Number	3
Module Memory	8GB

▪ Physical Interface

No.	Description	No.	Description
1	eSATA interface	7	RS-232 serial interface
2	LAN interfaces	8	USB 3.0 interfaces
3	Audio in and out	9	Alarm in, alarm out, RS-485 serial interface, Ctrl 12V and DC 12V
4	Audio out and video out	10	GND
5	HDMI 1 and HDMI 2 interfaces	11	100 to 240 VAC power supply
6	VGA 1 and VGA 2 interfaces	12	Power switch

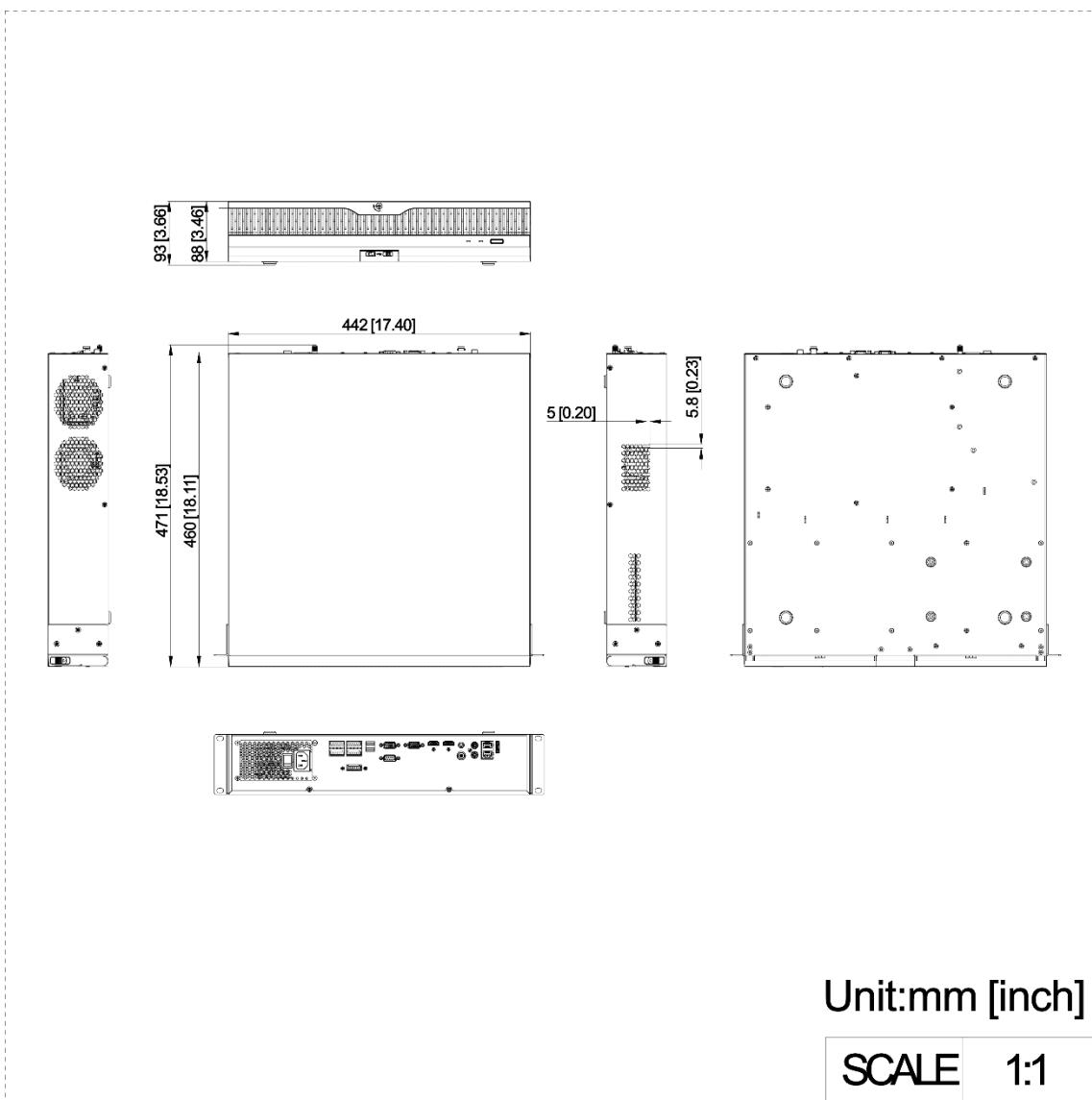


▪ Available Model

iDS-9616NXIUHK-P8(STD)

iDS-9616NXIUHK-P8(NEU)

▪ Dimension



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