Network Video Recorder

NVR504-X-IQ Series

Features

- Support Ultra H.265/H.265/H.264 video formats
- Support 32/64-channel input
- Support 3-ch HDMI, 1-ch VGA. HDMI up to 4K (3840x2160) resolution
- Support up to 8 Megapixels resolution recording
- Support ANR technology to enhance the storage reliability when the network is disconnected
- Support SIP, UMD, Face Comparion by NVR
- Support cloud upgrade

Specifications

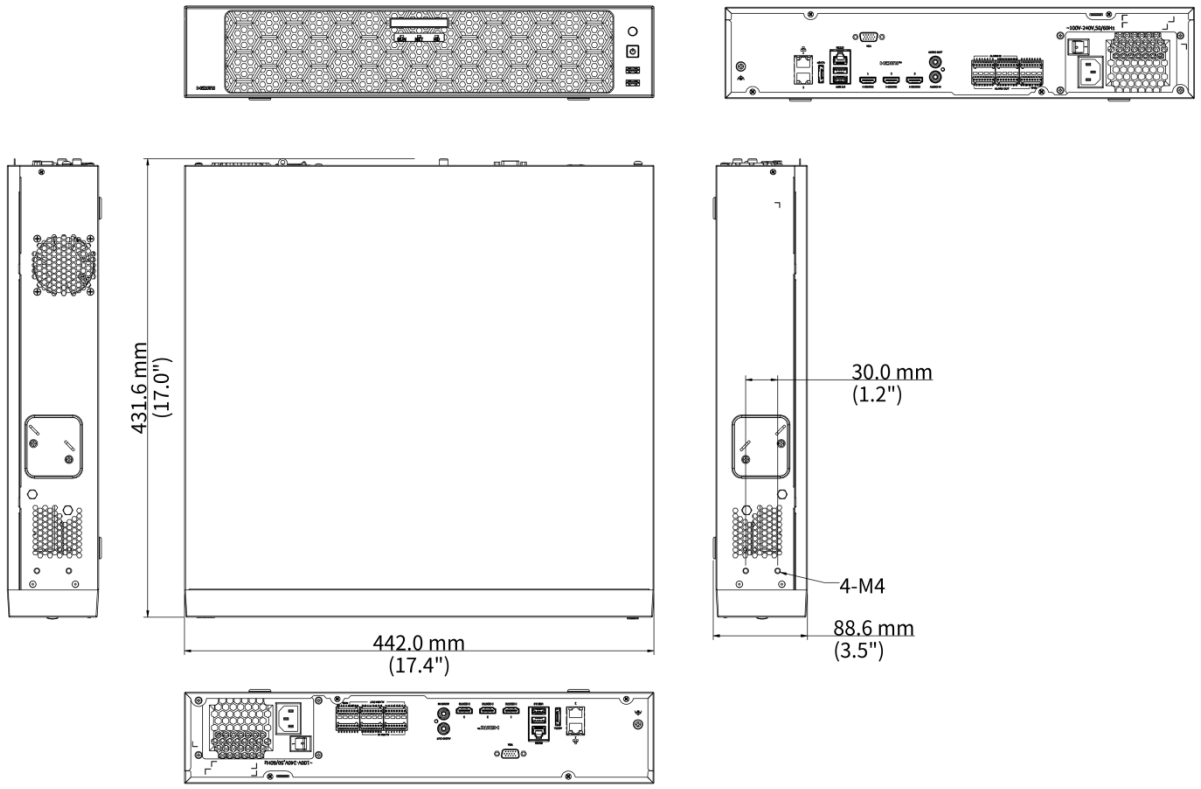
Model	NVR504-32X-IQ	NVR504-64X-IQ
Decoding		
Decoding Format	Ultra 265, H.265, H.264	
Decoding Capability	Smart Off: H265: 6x 4K@30, 8x 6MP@30, 10x 5MP@30, 12 x 4MP@30, 16 x 3MP@30, 25 x 1080P@30, 50 x 720P@30, 100 x D1@30 H264: 6x 4K@30, 8x 6MP@30, 10x 5MP@30, 12 x 4MP@30, 16 x 3MP@30, 25 x 1080P@30, 50 x 720P@30, 100 x D1@30 Smart On: When Smart by NVR on, the decoding capacity is same as smart off.	
Audio Compression	G.711A, G.711U	
Decoding Capability Description	The resolution of each channel cannot exceed 4096 pixels in length or width, For VGA/HDMI independent output, the VGA live video is output by default. To output the highest resolution video from the HDMI port, please clear the VGA video on the preview page.	
Network		
Incoming Bandwidth	384 Mbps	
Outgoing Bandwidth	384 Mbps	
Max Users Can Be Added	32	
Max Remote Users	128	
Protocols	TCP/IP, SMTP, NFS, 802.1x, RTSP, UPnP, NTP, DHCP, PPPoE, HTTP, DNS, DDNS, SNMP, IPv6, IPv4, HTTPS	
Browser (Plugin)	IE10, IE11, Chrome 45+, Edge 79+, Firefox 52+	
Browser (Plugin-Free)	Chrome 57+, Edge 16+, Firefox 58+, Safari 11+	
Video/Audio Input		
IP Video Input	32-ch	64-ch
RCA Audio Input	1-ch	
Peripheral Input		
POS	All channels	
Ip Speaker	32-ch	64-ch
Video/Audio Output		
Video Output	Support 3-ch HDMI, 1-ch VGA, HDMI1 and VGA simultaneous output, HDMI1 /VGA and HDMI2 and HDMI3 independent output.	
HDMI Output	4K (3840 × 2160)/60 Hz, 4K (3840 × 2160)/30 Hz, 1920 × 1080/60 Hz, 1280 × 720/60 Hz	
VGA Output	1920 × 1080/60 Hz, 1920 × 1080/50 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz	
HDMI Standard	HDMI2.0	
RCA Audio Output	3-ch	
Liveview Display	1/4/6/8/9/16/25/32	
Default Num of Live Screen	32	
Corridor Mode Screen	3/4/5/7/9/10/12/16/32	
Playback Screen	1/4/9/16	
Corridor Mode Screen of Playback	1/3	

Two-way Audio	
Two-way Audio	1-ch, RCA (Using the audio input and output)
Recording	
Recording Resolution	8 MP/6 MP/5 MP/4 MP/3 MP/1080P/960P/720P/D1/2CIF/CIF
Num of Concurrent Playback	32-ch
Synchronous Playback in Local	16-ch
Smart Function	
VCA Detection by IPC	Face Detection, Face Comparison, SIP (Intrusion Detection, Cross Line Detection, Enter Area, Leave Area), Ultra Motion Detection (UMD), Temperature Detection (Fire Detection, Smoking Detection, Temperature Measurement, Smoke and Fire Detection), People Counting (People Flow Counting, Crowd Density Monitoring), Video Metadata, Traffic Monitoring, Long Stay Detection, Fall Detection, Multi-Target Detection, Package Detection, Vehicle Detection (LPR)
Smart by IPC	All channels (up to 32 images/s in total) Face Detection, Face Comparison, Vehicle Detection (LPR), Temperature Detection, SIP, UMD, Video Metadata, Traffic Monitoring, People Counting
Smart by NVR	Face Detection, Face Comparison, Ultra Motion Detection (UMD), People Counting (People Flow Counting, Crowd Density Monitoring), Smart Intrusion Prevention (SIP), Plate Comparison
Smart by NVR Analyzer Mode	Mixed Mode (Face Recognition+AcuSearch), Mixed Mode (SIP+UMD), Modes cannot active simultaneously, only one mode can active at a time.
VCA Search	Face Snapshot Search, Face Comparison Search, Behavior Search, Motor Vehicle Search, Non-Motor Vehicle Search, Human Body Search, General Search, People Counting Report, Heat Map, SmartSearch+, AcuSearch, AcuTrack
AcuSearch	
Acu Search Performance	All channels with UNV SIP/UMD Camera, Up to 16-ch with normal camera (UNV and Third-part brand, 16-ch 2MP, 8-ch 4MP, 4-ch 4K)
AcuTrack	
Acu Track Performance	All channels with UNV SIP/UMD Camera, Up to 16-ch with normal camera (UNV and Third-part brand, 16-ch 2MP, 8-ch 4MP, 4-ch 4K)
face detection	
face detection by NVR	All channels with UNV Face Detection Camera, Up to 4-ch with normal camera (UNV and Third-part brand, 4-ch 2MP, 2-ch 4MP, 1-ch 4K)
Search by Image	Support
Plate Comparison	
Plate Comparion by NVR	All channels with UNV LPR Camera, normal/Third-part brand cameras not supported
Plate Library	Up to 5 plate libraries, with up to 25000 plates in total
UMD	
UMD by NVR with normal cameras	Up to 16-ch with normal camera (UNV and Third-part brand, 16-ch 2MP, 8-ch 4MP, 4-ch 4K)
SIP	
SIP by NVR with normal cameras	Up to 8-ch with normal camera (UNV and Third-part brand, 8-ch 2MP, 4-ch 4MP, 2-ch 4K)
Capacity of Smart Snapshots	
Intelligent Mark by IPC	Support

Alarm	
General Alarm	Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking, Motion Detection, Tampering, Human Body Detection, Video Loss, Audio Detection, Alarm Input
Alert Alarm	IP Conflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording/Snapshot Abnormal, High CPU Temperature, High Motherboard Temperature, Array Damaged, Array Degraded
Num of Concurrent Processing Alarms	One every 5 seconds
Hard Disk	
SATA	4 SATA Interfaces
Capacity	Up to 24 TB for each HDD (The maximum HDD capacity varies with environment temperature and hard disk size, The environment temperature for use should not exceed 40°C.)
Disk Group	Support
Redundant Storage	Support
Disk Array Type	RAID 0, 1, 5, 6, 10
Hot Swap	N/A
External Interface	
Network Interface	2 RJ45 10 M/100 M/1000 M self-adaptive Ethernet Interface
Network Working Mode	Muli-access, load balance, network fault-tolerance
USB	Front panel: 2 × USB2.0, Rear panel: 2 × USB3.0
RS485	1
RS232	1
Alarm In	16-ch
Alarm Out	10-ch
eSATA	1
miniSAS	N/A
miniSAS HD	N/A
Extension Board	N/A
Power Output	12 V
Power Supply	AC 100 to 240 V
Power Switch	Support
Redundant Power Supply	N/A
Buzzer	Support
Working Environment	
Working Temperature	-10 ℃ to 50 ℃ (14 ℉ to 122 ℉)
Working Humidity	≤ 90% RH (non-condensing)
Power Consumption (without HDD)	≤ 50W
Heat Dissipation	Fan, Radiator
Dimensions	
Dimensions	442mm x 400mm x 86.1mm
Certification	
Certification	CE; FCC; UL; RoHS; WEEE

CE	EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 55035
FCC	Part15 Subpart B

Dimensions



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Zhejiang Uniview Technologies Co., Ltd.

http://www.uniview.com

overseasbusiness@uniview.com; globalsupport@uniview.com

No. 369, Xietong Road, Xixing Sub-district, Binjiang District, Hangzhou City, 310051, Zhejiang Province, China

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