

Network Video Recorder NVR804-IX-G Series



Features

- Support Ultra H.265/H.265/H.264 video formats
- Support 16/32/64-channel input
- Support 3-ch HDMI, 1-ch VGA, HDMI1 and VGA simultaneous output, HDMI1 /VGA and HDMI2 and HDMI3 independent output.
- Support up to 4K resolution recording
- Support ANR technology to enhance the storage reliability when the network is disconnected
- Support SeekFree: up to 16-ch with 3rd party and UNV normal IPC, up to all channels with UNV SIP/UMD/etc. Smart IPC
- Support external USB keyboards
- Support SIP, UMD, Video Metadata, analysis, Plate Comparison, People Counting, Face Detection and face detection by NVR
- Support cloud upgrade

Specifications

Model	NVR804-16-IX-G		NVR804-32-IX-G	NVR804-64-IX-G
Decoding				
Decoding Format	Ultra 265, H.265, H.264			
Decoding Capability	Smart Off: H265: 6 x 4K@30, 8 x 6MP@30, 10 x 5MP@30, 12 x 4MP@30, 16 x 3MP@30, 16 x 1080P@30, 16 x 720P@30, 16 x D1@60 H264: 6 x 4K@30, 8 x 6MP@30, 10 x 5MP@30, 12 x 4MP@30, 16 x 3MP@30, 16 x 1080P@30, 16 x 720P@30, 16 x D1@60 Smart On: When Smart by NVR on, the decoding capacity is same as Smart off.	Smart Off: H265: 6 x 4K@30, 8 x 6MP@30, 10 x 5MP@30, 12 x 4MP@30, 16 x 3MP@30, 25 x 1080P@30, 32 x 720P@30, 32 x D1@60 H264: 6 x 4K@30, 8 x 6MP@30, 10 x 5MP@30, 12 x 4MP@30, 16 x 3MP@30, 25 x 1080P@30, 32 x 720P@30, 32 x D1@60 Smart On: When Smart by NVR on, the decoding capacity is same as Smart off.	Smart Off: H265: 6 x 4K@30, 8 x 6MP@30, 10 x 5MP@30, 12 x 4MP@30, 16 x 3MP@30, 25 x 1080P@30, 32 x 720P@30, 64 x D1@30 H264: 6 x 4K@30, 8 x 6MP@30, 10 x 5MP@30, 12 x 4MP@30, 16 x 3MP@30, 25 x 1080P@30, 32 x 720P@30, 64 x D1@30 Smart On: When Smart by NVR on, the decoding capacity is same as Smart off.	
	Decoding Capability Description	The resolution of each channel cannot exceed 8192 pixels in length or width		
Audio Compression	G.711A, G.711U			
Network				
Incoming Bandwidth	384 Mbps			
Outgoing Bandwidth	384 Mbps			
Max Users Can Be Added	32			
Max Remote Users	128			
Protocols	TCP/IP, P2P, SMTP, RTSP, UPnP, NTP, DHCP, PPPoE, HTTP, DNS, DDNS, IPv6, IPv4, HTTPS, SNMP			
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	16-ch	32-ch	64-ch	
BNC Audio Input	N/A			
RCA Audio Input	1-ch			
3.5mm Audio Input	N/A			
Peripheral Input				
Ip Speaker	32-ch	32-ch	16-ch	
POS	All channels			
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, 1280 × 720/60 Hz			
HDMI Standard	HDMI1.4			

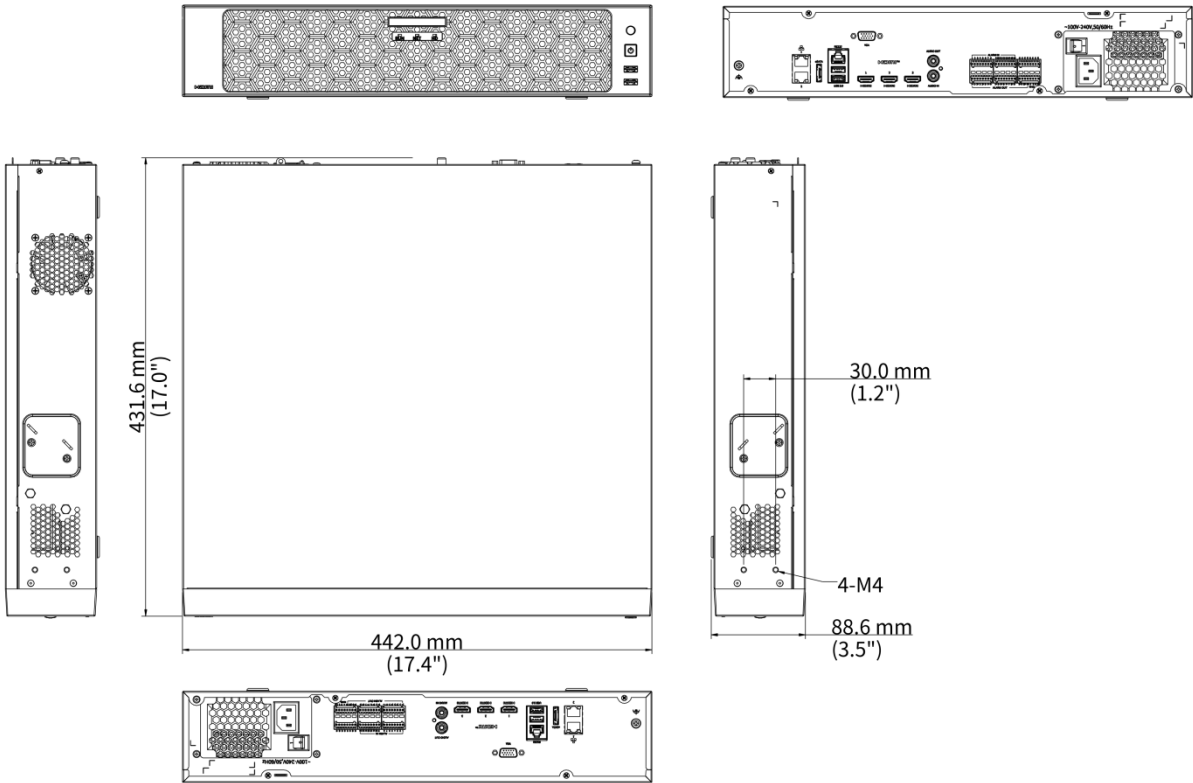
BNC Audio Output	N/A		
RCA Audio Output	3-ch		
Liveview Display	HDMI1 and VGA/HDMI2/HDMI3: 1/4/6/8/9/16	HDMI1 and VGA/HDMI2/HDMI3: 1/4/6/8/9/16/25/32	HDMI1 and VGA: 1/4/6/8/9/16/25/36/64 HDMI2: 1/4/6/8/9/16/25/36 HDMI3: 1/4/6/8/9/16/25/36
Default Num of Live Screen	16	32	HDMI1 and VGA: 64; HDMI2: 36; HDMI3: 36
Corridor Mode Screen	3/4/5/7/9/10/12/16	3/4/5/7/9/10/12/16/32	3/4/5/7/9/10/12/16/32
3.5mm Audio Output	N/A		
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	32 MP/16 MP/12 MP/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			
Smart by IPC	All channels (up to 16 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, Smart Intrusion Prevention (SIP), Video Metadata, Plate Comparison, Illegally Parked Motor Vehicle, Ultra Motion Detection (UMD), People Counting (People Flow Counting, Crowd Density Monitoring), Behavior Analysis, Elevator Entrance Detection, Evacuation Route Obstruction		
Smart by NVR Analyzer Mode	Mixed Mode (SIP+Behavior Analysis+People Counting), Mixed Mode (Face Recognition+Mixed-Traffic Detection+AcuSearch/AcuTrack), Modes cannot active simultaneously, only one mode can active at a time.		
VCA Search	AcuSearch, AcuTrack, Face Snapshot Search, Face Comparison Search, Motor Vehicle Search, Non-Motor Vehicle Search, Human Body Search, General Search, People Counting Report, Behavior Search, SmartSearch+, Heat Map		
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)		
SeekFree			
SeekFree 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)		
SeekFree Language	English		

face detection			
face detection by NVR	Up to 16-ch with UNV Face Detection Camera Up to 16-ch with normal camera (UNV and Third-part brand, 16-ch 2MP, 8-ch 4MP, 4-ch 4K)	Up to 32-ch with UNV Face Detection Camera Up to 16-ch with normal camera (UNV and Third-part brand, 16-ch 2MP, 8-ch 4MP, 4-ch 4K)	Up to 32-ch with UNV Face Detection Camera Up to 16-ch with normal camera (UNV and Third-part brand, 16-ch 2MP, 8-ch 4MP, 4-ch 4K)
Search by Image	Support		
SIP			
SIP 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)		
UMD			
UMD by NVR with normal cameras	N/A		
analysis			
analysis with normal cameras	Up to 16-ch with normal camera (UNV and Third-part brand, 16-ch 2MP, 8-ch 4MP, 4-ch 4K)		
analysis Type	No Helmet Detection, No Chef Hat Detection, No Work Clothes Detection, Smoking Detection, Smoke and Fire Detection, Calling Detection, No Mask Detection, Rat Detection, Long Stay Detection, Fall Detection, Fight Detection, Absence Detection, Quick Moving, People Dispersion, People Gathering, Using Mobile Phone Detection, No Reflective Clothing Detection, Sleep on Duty Detection, Climbing Detection, Knife/Stick in Hand Detection		
Video Metadata			
Video Metadata 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)		
Video Metadata Type	Motor Vehicle: Vehicle Type, Vehicle Color, Vehicle Brand, Direction, Plate Type, Plate Color, Human Body: Gender, Age, Mask, Hairstyle, Bag Style, Direction, Upper Garment Length, Lower Garment Length, Upper Garment Color, Lower Garment Color, Non-Motor Vehicle: Non-Motor Vehicle Type, Direction, Gender, Age, Upper Garment Length, Upper Garment Color		
Plate Comparison			
Vehicle Number Library	Up to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total		
Capacity of Smart Snapshots			
Capacity of Snapshot Records	2 millions records for SIP, 2 millions records for vehicle snapshot, 3 millions records for face snapshot		
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		
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	RAID 0, 1, 5	N/A
External Interface			
Network Interface	2 RJ45 10 M/100 M/1000 M self-adaptive Ethernet Interface		
Network Working Mode	Multi-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 HD	N/A		
miniSAS	N/A		
Power Output	12 V		
Extension Board	1		
Buzzer	Support		
Power Supply	AC 220 V		
Power Switch	Support		
Redundant Power Supply	N/A		
PoE			
PoE Interface	N/A		
Max Power	N/A		
Supported Standard	N/A		
Working Environment			
Working Temperature	-10 °C to 55 °C (14 °F to 131 °F)		
Working Humidity	≤ 90% RH (non-condensing)		
Power Consumption (without HDD)	≤50W		
Heat Dissipation	Fan, Radiator		
GUI Language			
GUI Language	38 languages: Simplified Chinese, Traditional Chinese, English, Vietnamese, Thai, Turkish, Spanish (Latin America), Portuguese (Brazil), Spanish, Portuguese, French, German, Italian, Dutch, Polish, Czech, Hungarian, Slovak, Russian, Hebrew, Arabic, Ukrainian, Estonian, Bulgarian, Greek, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenia, Serbia, Korean, Japanese, Latvian, Lithuanian, Persian		
Certification			
Certification	CE; FCC; UL; RoHS; WEEE		
CE	EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 50130		
FCC	Part15 Subpart B		
Feature Supported			
Cruise Lines Num of Each Camera	4		
Preset Num	32		

N+1 Hot Spare	N/A
Fisheye Dewarping by IPC	Support
ANR	Support
Dual-lens Cameras	Support
Downlink ONVIF	Support (Profile S)
Box-Dome Linkage	Support
Uplink ONVIF	N/A
Video Image Database (Uplink)	Support
UCS (Web socket)	Support
NAS	Support
Ucode Basic Mode	Support
Ucode Advanced Mode	Support
Output Mode	N/A
Compliance	
NDA Compliant	Support

Dimensions



Accessories

FL-2U		
4 HDDs & 8 HDDs 2U NVR Rack Mount		
		

Unlimited New View

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



©2023-2025 Zhejiang Uniview Technologies Co., Ltd. All rights reserved.

*Product specifications and availability are subject to change without notice.

Despite our best efforts, technical or typographical errors may exist in this document. Uniview cannot be held responsible for any such errors and reserves the right to change the contents of this document without prior notice.