

Network Video Recorder

NVR301-B-IQ Series



Features

- Support Ultra 265/H.265/H.264 video formats
- 4/8/16-channel input
- Support mainstream cameras of ONVIF conformance(Profile S, Profile G, Profile T) and RTSP protocols
- Support HDMI and VGA simultaneous output
- Up to 12 Megapixels resolution recording
- ANR technology to enhance the storage reliability when the network is disconnected
- Support cloud upgrade

Specifications

Model	NVR301-04B-IQ	NVR301-08B-IQ	NVR301-16B-IQ		
Decoding					
Decoding Format	Ultra 265,H.265,H.264				
Decoding Capability	Smart Off: 2 x 12MP@30, 2 x 4K@30, 4 x 4MP@30 Smart On: 2 x 4K@30, 4 x 4MP@30	Smart Off: 2 x 12MP@30, 2 x 4K@30, 4 x 4MP@30, 8 x 1080P@30 Smart On: 2 x 4K@30, 4 x 4MP@30, 8 x 1080P@30	Smart Off: 2 x 12MP@30, 2 x 4K@30, 4 x 4MP@30, 10 x 1080P@30, 16 x 720P@30 Smart On: 2 x 4K@30, 4 x 4MP@30, 8 x 1080P@30, 16 x 720P@30		

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Decoding Capability Description	The resolution of each channel cannot exceed 8192 pixels in length and 4096 pixels in width			
Audio Compression	G.711A, G.711U			
Network				
Incoming Bandwidth	80 Mbps			
Outgoing Bandwidth	80 Mbps			
Remote Users	128			
Protocols	TCP/IP, P2P, NTP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, SNMP, SMTP, RTSP, IPv6, IPv4			
Browser(Plugin)	IE10, IE11, Chrome 45+, Edge 79+, Firefox 52+			
Video/Audio Input				
IP Video Input	4-ch	8-ch	16-ch	
RCA Audio Input	1-ch			
Video/Audio Output				
HDMI Output	4K (3840 × 2160)/30 Hz, 1920 × 1080/60 Hz, 1920 × 1080/50 Hz, 1600 × 1200/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz			
VGA Output	1920 × 1080/60 Hz, 1920 × 1080/50 Hz, 1600 × 1200/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz			
RCA Audio Output	1-ch			
Liveview Display	1/4/6/8/9	1/4/6/8/9/16	1/4/6/8/9/16	
Corridor Mode Screen	3/4	3/4/5/7/9/10	3/4/5/7/9/10/12/16	
Two-way Audio	Two-way Audio			
Two-way Audio	1-ch,RCA(Using the audio input and output)			
Snapshot				
FTP/Schedule/Event Snapshot	4-ch snapshot (max. D1 (720 × 576) video resolution, with D1 snapshot resolution)			
Recording				
Recording Resolution	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080P/960P/720P/D1/2CIF/CIF			
Num of Concurrent Playback	16-ch			
Smart				





VCA Detection by IPC Face Detection, Face Comparison, Vehicle Detection, EP (Intrusion Detection, Cross Line Detection, Enter Area, Leave Arna), Ultra Motion Detection (UMD), People Counting (People Flow Counting, Crowd Density Monitoring), Traffic Monitoring Smart by NVR Face Detection, Face Comparison, Smart Intrusion Prevention (SIP), Ultra Motion Detection (UMD) VCA Search Face Snapshot Search, Face Comparison, Scarch, Motor Vehicle Search, Non-Motor Vehicle Search, Human Body Search, General Search, People Counting Report, Heat Map, Acusearch Smart by IPC All channels (up to 8 images/s in total)½ ace Detection, Face Comparison, Vehicle Detection, SIP, UMD, Traffic Monitoring Search by Image Support Vehicle Picture Up to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total SIP by NVR 2-ch Alarm 4-ch Alarm Defocus Detection, Seene Change Detection, Object Left Behind, Object Removed, Auto Tracking, Motion Detection, Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection Gull Language PConflict, Network Disconnected, Disc Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording/Snapshot Abnormal Gull Language 38 languages: Simplified Chinese, Traditional Chinese, English, Vietnamese, Thai, Turkish, Spanish Leatin Americal, Portuguese (Brazil), Spanish, Portuguese, French, German, Italian, Dutch, Polish, Czech, Hungarian, Slovaia, Russian, Hebrew, Arabic, Ukrainian, Istonian, Bulga				
VCA Search Face Snapshor Search, Face Comparison Search, Motor Vehicle Search, Non-Motor Vehicle Search, Human Body Search, General Search, People Counting Report, Heat Map, AcuSearch Smart by IPC All channels (up to 8 images/s in total)Face Detection,Face Comparison,Vehicle Detection,SIP,UMD,Traffic Monitoring Search by Image Vehicle Picture Library Up to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total UMD by NVR 2-ch UMD by NVR 4-ch Alarm Defection, Seene Change Detection, Object Left Behind, Object Removed, Auto Tracking, Motion Detection, Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection Percention, Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection Proffice, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording/Snapshot Abnormal GUI Language 38 languages: Simplified Chinese, Traditional Chinese, English, Vietnamese, Thai, Turkish, Spanish (Latin America), Portuguese (Brazii), Spanish, Portuguese, French, German, Italian, Dutch, Polish, Czech, Hungarian, Firmish, Croatian, Slovenia, Serbia, Korean, Jupanese, Latvian, Lithuanian, Persian Hard Disk SATA 1 SATA Interfaces Up to 10 TB für euch HDD (The maximum HDD capacity varies with environment temperature) External Interface USB Rear panel: 1 × USB2.0, 1 × USB3.0 RS485 N/A Alarm In N/A Alarm In N/A Alarn Out N/A	-	Leave Area), Ultra Motion Detection (UMD), People Counting (People Flow Counting, Crowd Density Monitoring),		
Search, General Search, People Counting Report, Heat Map, AcuSearch Smart by IPC All channels (up to 8 images/s in total)Face Detection,Face Comparison,Vehicle Detection,SIP,UMD,Traffic Monitoring Search by Image Support Vehicle Picture Library Up to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total SIP by NNR 2-ch UMD by NVR 4-ch Alarm Defocus Detection, Seene Change Detection, Object Left Behind, Object Removed, Auto Tracking, Motion Detection, Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection IP Conflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording/Snapshot Abnormal GUI Language GUI Language 38 languages: Simplified Chinese, Traditional Chinese, English, Victnamese, Thai, Turkish, Spanish (Latin America), Portuguese (Brazil), Spanish, Portuguese, French, German, Italian, Dutch, Polish, Czech, Hungarian, Slovak, Russian, Hebrew, Arabic, Ukrainian, Tstenian, Bulgarian, Greek, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenia, Serbia, Korean, Japanese, Latvian, Lithuanian, Persian Hard Disk SATA 1 SATA laterfaces Capacity Up to 10 TB for each HDD (The maximum HDD capacity varies with environment temperature) Esternal Interface Network Interface 1 R145 10 M/100 M self-adaptive Ethernet Interface USB Rear panel: 1 × USB2.0, 1 × USB3.0 R5485 N/A Alarm In N/A Alarm In N/A Alarm Out N/A	Smart by NVR	Face Detection, Face Comparison, Smart Intrusion Prevention (SIP), Ultra Motion Detection (UMD)		
Smart by IPC Monitoring Search by Image Support Vehicle Picture Library Up to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total SIP by NVR 2-ch UMD by NVR 4-ch Alarm General Alarm Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking, Motion Detection, Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection Pl Conflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording/Snapshor Abnormal 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 Hard Disk SATA I SATA Interfaces Capacity Up to 10 TB for each HDD (The maximum HDD capacity varies with environment temperature) External Interface Network Interface 1 RJ45 10 M/100 M self-adaptive Ethernet Interface USB Rear panel: 1 × USB2.0, 1 × USB3.0 RS485 N/A Alarm In N/A Alarm In N/A Alarm Out N/A	VCA Search			
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UMD by NVR 4-ch Alarm General Alarm Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking, Motion Detection, Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection Alert Alarm Promise, Human Body Detection, Video Loss, Alarm Input, Audio Detection By Conflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording/Snapshot Abnormal 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 Hard Disk SATA I SATA Interfaces Capacity Up to 10 TB for each HDD (The maximum HDD capacity varies with environment temperature) External Interface USB Rear panel: I × USB2.0, I × USB3.0 R8485 N/A Alarm In N/A Alarm Out N/A		Up to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total		
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General Alarm Detection, Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection IP Conflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording/Snapshot Abnormal 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 Hard Disk SATA 1 SATA Interfaces Capacity Up to 10 TB for each HDD (The maximum HDD capacity varies with environment temperature) External Interface Network Interface 1 RJ45 10 M/100 M self-adaptive Ethernet Interface USB Rear panel: 1 × USB2.0, 1 × USB3.0 RS485 N/A Alarm In N/A Alarm Out N/A	Alarm			
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SATA 1 SATA Interfaces Capacity Up to 10 TB for each HDD (The maximum HDD capacity varies with environment temperature) External Interface Network Interface 1 RJ45 10 M/100 M self-adaptive Ethernet Interface USB Rear panel: 1 × USB2.0, 1 × USB3.0 RS485 N/A RS232 N/A Alarm In N/A Alarm Out N/A	GUI Language	America), Portuguese (Brazil), Spanish, Portuguese, French, German, Italian, Dutch, Polish, Czech, Hungarian, Slovak, Russian, Hebrew, Arabic, Ukrainian, Estonian, Bulgarian, Greek, Romanian, Danish, Swedish, Norwegian,		
Capacity Up to 10 TB for each HDD (The maximum HDD capacity varies with environment temperature) External Interface Network Interface 1 RJ45 10 M/100 M self-adaptive Ethernet Interface USB Rear panel: 1 × USB2.0, 1 × USB3.0 RS485 N/A RS232 N/A Alarm In N/A Alarm Out N/A	Hard Disk			
External Interface Network Interface 1 RJ45 10 M/100 M self-adaptive Ethernet Interface USB Rear panel: 1 × USB2.0, 1 × USB3.0 RS485 N/A RS232 N/A Alarm In N/A Alarm Out N/A	SATA	1 SATA Interfaces		
Network Interface 1 RJ45 10 M/100 M self-adaptive Ethernet Interface USB Rear panel: 1 × USB2.0, 1 × USB3.0 RS485 N/A RS232 N/A Alarm In N/A Alarm Out N/A	Capacity	Up to 10 TB for each HDD (The maximum HDD capacity varies with environment temperature)		
USB Rear panel: 1 × USB2.0, 1 × USB3.0 RS485 N/A RS232 N/A Alarm In N/A Alarm Out N/A	External Interface	External Interface		
RS485 N/A RS232 N/A Alarm In N/A Alarm Out N/A	Network Interface	1 RJ45 10 M/100 M self-adaptive Ethernet Interface		
RS232 N/A Alarm In N/A Alarm Out N/A	USB	Rear panel: 1 × USB2.0, 1 × USB3.0		
Alarm In N/A Alarm Out N/A	RS485	N/A		
Alarm Out N/A	RS232	N/A		
	Alarm In	N/A		
Power Supply DC 12 V/2 A	Alarm Out	N/A		
	Power Supply	DC 12 V/2 A		

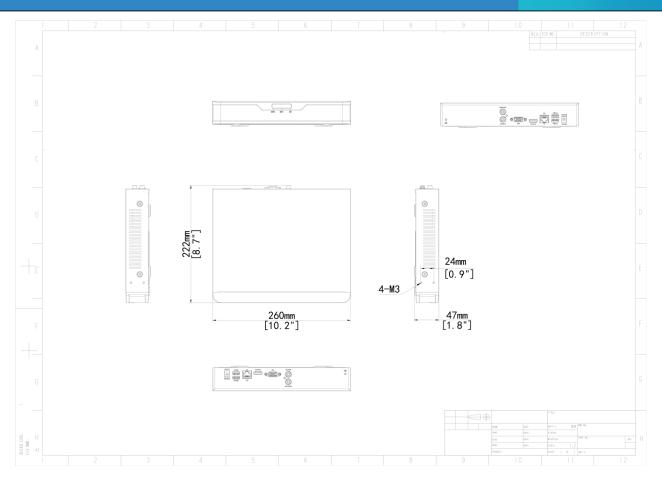


Power Switch	N/A	
Working Environment		
Working Temperature	-10 °C ~ + 55 °C (+14 °F ~ +131 °F)	
Working Humidity	≤ 90% RH (non-condensing)	
Power Consumption (without HDD)	≤ 12W	
Dimensions		
Weight (without HDD)	≤ 2 Kg (4.4lb)	
Height	1U	
Dimensions	260mm × 222mm × 47mm (10.2"×8.7"×1.8")	
Certification		
Certification	CE; FCC; UL; RoHS; WEEE	
FCC	Part15 Subpart B	

Dimensions

Aggregate product size diagram using "main model" as an example





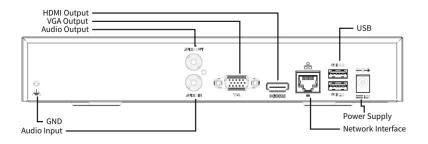
Accessories

RM-1U-260

1 HDD 1U NVR Rack Mount



Rear Panel





Zhejiang Uniview Technologies Co., Ltd.

No. 369, Xietong Road, Xixing Sub-district, Binjiang District, Hangzhou City, 310051, Zhejiang Province, China (Zhejiang) Pilot Free Trade Zone, China

Email: overse as business @uniview.com; global support @uniview.com

http://www.uniview.com

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