

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 Decoding	NVR301-04B-IQ	NVR301-08B-IQ	NVR301-16B-IQ
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
Decoding Capability Description	The resolution of each channel cannot	exceed 8192 pixels in length and 4096 pi	ixels in width

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Audio Compressio n	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 Ir	put			
IP Video Input	4-ch	8-ch	16-ch	
RCA Audio Input	1-ch			
Video/Audio O	utput			
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 Audi	0			
Two-way Audio	1-ch,RCA(Using the audio input and output)			
Snapshot				
FTP/Schedul e/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 Smart 16-ch

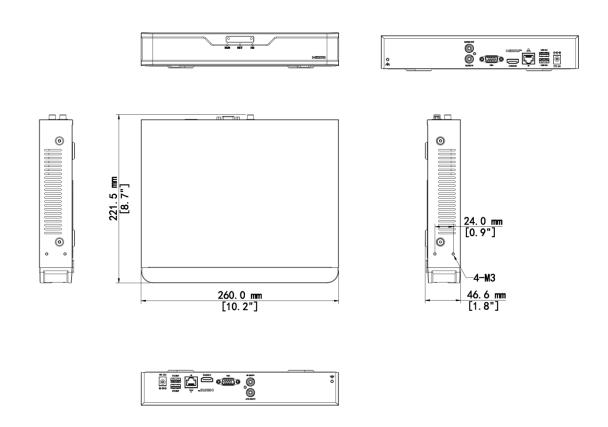


DATASHEET

Detection by Area), Ultra Motion Detection (UMD), People Counting (People Flow Counting, Crowd Density Monitoring), Traffic Monitoring Smart by NR Face Detection, Face Comparison, Smart Intrusion Prevention (SIP), Ultra Motion Detection (UMD) WCA Search Search, Face Snapshot Search, Face Comparison Search, Motor Vehicle Search, Non-Motor Vehicle Search, Human Body Search, People Counting Report, Heat Map, AcuSearch Search PPC All channels (up to 8 images/s in total)Face Detection, Face Comparison, Vehicle Detection, SIP, UMD, Traffic Monitoring Search by Support Wehicle Pricture Up to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total Ubitary SIP by NVR 2-ch UMD by NVR 4-ch Alarm Seneral Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking, Motion Detection, Alarm Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection Recording/Snapshot Abnormal BUI 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 Use Rear panel: 1 × USB2.0, 1 × USB3.0 N/A Risma In N/A Alarm In N/A				
Face Detection, Face Comparison, Smart Intrusion Prevention (SIP), Ultra Motion Detection (UMD) Face Snapshot 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 Up to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total Library SIP by NVR 2-ch UMD by NVR 4-ch Natura Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking, Motion Detection, Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection Proofflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording/Snapshot Abnormal SUI 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, Slovakia, Serbia, Korean, Japanese, Latvian, Lithuanian, Persian Hard Disk SATA 1 SATA Interfaces Up to 10 TB for each HDD (The maximum HDD capacity varies with environment temperature) External Interface Network Interface N/A N/A N/A N/A N/A N/A N/A N/	VCA Detection by IPC	Area), Ultra Motion Detection (UMD), People Counting (People Flow Counting, Crowd Density Monitoring), Traffic		
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General Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking, Motion Detection, Alarm Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection Alert Alarm 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 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 Power Supply DC 12 V/2 A Supply Dower Switch N/A	SIP by NVR	2-ch		
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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 USB Rear panel: 1 × USB2.0, 1 × USB3.0 RS485 N/A RS232 N/A Alarm In N/A Alarm Out N/A Power Supply Power Switch N/A	Alert Alarm	· ·		
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Capacity Up to 10 TB for each HDD (The maximum HDD capacity varies with environment temperature) External Interface Network Interface USB Rear panel: 1 × USB2.0, 1 × USB3.0 RS485 N/A RS232 N/A Alarm In N/A Alarm Out N/A Power Supply Power Supply Power Switch	Hard Disk			
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RS485 N/A RS232 N/A Alarm In N/A Alarm Out N/A Power Supply Power Switch N/A	Network Interface			
RS232 N/A Alarm In N/A Alarm Out N/A Power Supply Power Switch N/A	USB	Rear panel: 1 × USB2.0, 1 × USB3.0		
Alarm In N/A Alarm Out N/A Power Supply Power Switch N/A	RS485	N/A		
Alarm Out N/A Power Supply Power N/A N/A	RS232	N/A		
Power DC 12 V/2 A Supply Power N/A Switch	Alarm In	N/A		
Supply Power Switch DC 12 V/2 A N/A	Alarm Out	N/A		
Switch N/A	Power Supply	DC 12 V/2 A		
Working Environment	Power Switch	N/A		
	Working Enviro	onment		

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Working Temperatur e	-10 °C ~ + 55 °C (+14 °F ~ +131 °F)		
Working Humidity	≤ 90% RH (non-condensing)		
Power Consumptio n (without HDD)	≤ 12W		
Dimensions	Dimensions		
Weight (without HDD)	≤ 2Kg (4.4lb)		
Height	10		
Dimensions	260mm × 222mm × 47mm (10.2"×8.7"×1.8")		
Certification			
Certification	CE; FCC; UL; RoHS; WEEE		
FCC	Part15 Subpart B		

Dimensions



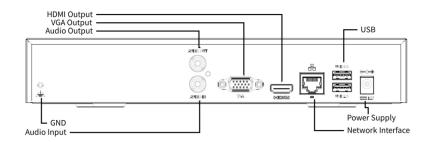


Accessories

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: overseasbusiness@uniview.com; globalsupport@uniview.com

http://www.uniview.com

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