

# Network Video Recorder NVR501-B-IQ Series



## Features

- Support Ultra H.265/H.265/H.264 video formats
- 4/8/16-channel input
- Support 1-ch HDMI, 1-ch VGA. HDMI up to 4K (3840x2160) resolution
- Support HDMI and VGA simultaneous output
- Up to 16 Megapixels resolution recording
- ANR technology to enhance the storage reliability when the network is disconnected
- Support cloud upgrade

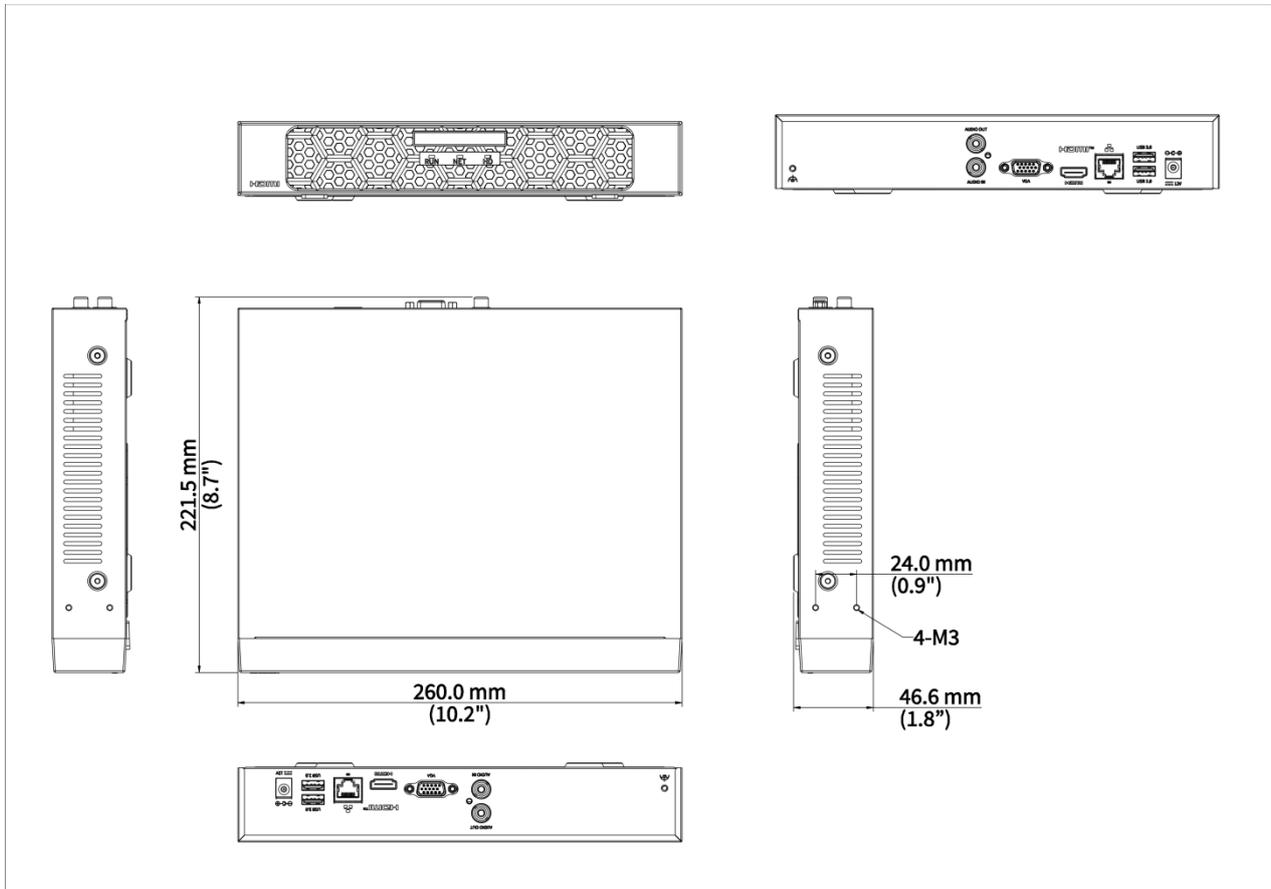
## Specifications

Model	NVR501-04B-IQ	NVR501-08B-IQ	NVR501-16B-IQ
<b>Decoding</b>			
Decoding Format	Ultra 265, H.265, H.264		
Decoding Capability	Smart Off: 2 x 16MP@30, 2 x 12MP@30, 4 x 4K@30 Smart On: 2 x 12MP@30, 2 x 4K@30, 4 x 4MP@30	Smart Off: 2 x 16MP@30, 2 x 12MP@30, 4 x 4K@30, 8 x 4MP@30 Smart On: 2 x 12MP@30, 2 x 4K@30, 6 x 4MP@30, 8 x 3MP@30	Smart Off: 2 x 16MP@30, 2 x 12MP@30, 4 x 4K@30, 8 x 4MP@30, 10 x 3MP@30, 16 x 1080P@30 Smart On: 2 x 12MP@30, 2 x 4K@30, 6 x 4MP@30, 8 x 3MP@30, 12 x 1080P@30, 16 x 720P@30
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		
<b>Network</b>			
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+		
<b>Video/Audio Input</b>			
IP Video Input	4-ch	8-ch	16-ch
RCA Audio Input	1-ch		
<b>Peripheral Input</b>			
Ip Speaker	16-ch		
<b>Video/Audio Output</b>			
Video Output	Support 1-ch HDMI, 1-ch VGA, HDMI and VGA simultaneous 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	1/4/6/8/9/10/16	1/4/6/8/9/10/16
Corridor Mode Screen	3/4	3/4/5/7/9	3/4/5/7/9/10/12/16
<b>Two-way Audio</b>			
Two-way Audio	1-ch, RCA (Using the audio input and output)		
<b>Snapshot</b>			
FTP/Schedule/Event Snapshot	4-ch snapshot (max. 8 MP (3840 × 2160) video resolution, with 1080P snapshot resolution)		
<b>Recording</b>			

Recording Resolution	16 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080P/960P/720P/D1/2CIF/CIF		
Num of Concurrent Playback	16-ch		
<b>Smart</b>			
Smart by IPC	All channels (up to 8 images/s in total) Face Detection, Face Comparison, Vehicle Detection (LPR), Temperature Detection, SIP, UMD, Video Metadata, Traffic Monitoring		
Smart by NVR	Face Detection, Face Comparison, Smart Intrusion Prevention (SIP), Ultra Motion Detection (UMD)		
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, Heat Map		
AcuSearch	All channels with UNV SIP/UMD Camera Up to 4-ch with normal camera (UNV and Third-part brand, 4-ch 2MP, 2-ch 4MP, 1-ch 4K)	All channels with UNV SIP/UMD Camera Up to 8-ch with normal camera (UNV and Third-part brand, 8-ch 2MP, 4-ch 4MP, 2-ch 4K)	All channels with UNV SIP/UMD Camera Up to 8-ch with normal camera (UNV and Third-part brand, 8-ch 2MP, 4-ch 4MP, 2-ch 4K)
AcuTrack	All channels with UNV SIP/UMD Camera Up to 4-ch with normal camera (UNV and Third-part brand, 4-ch 2MP, 2-ch 4MP, 1-ch 4K)	All channels with UNV SIP/UMD Camera Up to 8-ch with normal camera (UNV and Third-part brand, 8-ch 2MP, 4-ch 4MP, 2-ch 4K)	All channels with UNV SIP/UMD Camera Up to 8-ch with normal camera (UNV and Third-part brand, 8-ch 2MP, 4-ch 4MP, 2-ch 4K)
by NVR	Up to 4-ch with UNV Face Detection Camera Up to 2-ch with normal camera (UNV and Third-part brand, 2-ch 2MP, 1-ch 4MP)	Up to 8-ch with UNV Face Detection Camera Up to 2-ch with normal camera (UNV and Third-part brand, 2-ch 2MP, 1-ch 4MP)	Up to 8-ch with UNV Face Detection Camera Up to 2-ch with normal camera (UNV and Third-part brand, 2-ch 2MP, 1-ch 4MP)
Vehicle Picture Library	Up to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total		
SIP by NVR with normal cameras	Up to 4-ch with normal camera (UNV and Third-part brand, 4-ch 2MP, 2-ch 4MP, 1-ch 4K)		
UMD by NVR with normal cameras	Up to 4-ch with normal camera (UNV and Third-part brand, 4-ch 2MP, 2-ch 4MP, 1-ch 4K)	Up to 8-ch with normal camera (UNV and Third-part brand, 8-ch 2MP, 4-ch 4MP, 2-ch 4K)	Up to 8-ch with normal camera (UNV and Third-part brand, 8-ch 2MP, 4-ch 4MP, 2-ch 4K)
Capacity of Snapshot Records	500 thousand records for face snapshot, One and a half millions records for SIP and vehicle		
<b>Alarm</b>			
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	IP Conflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording/Snapshot Abnormal, Array Damaged, Array Degraded		
<b>GUI Language</b>			
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
<b>Hard Disk</b>	
SATA	1 SATA Interface
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.)
<b>External Interface</b>	
Network Interface	1 RJ45 10 M/100 M self-adaptive Ethernet Interface
USB	Front panel: 1 × USB2.0, Rear panel: 1 × USB3.0
RS485	N/A
Alarm In	N/A
Alarm Out	N/A
Power Supply	DC 12 V/2 A
<b>Working Environment</b>	
Working Temperature	-10 °C to 50 °C (14 °F to 122 °F)
Working Humidity	≤ 90% RH (non-condensing)
Power Consumption (without HDD)	≤ 8W
<b>Dimensions</b>	
Weight (without HDD)	≤ 1Kg (2.2lb)
Height	1U
Dimensions	260mm × 215mm × 46.6mm (10.2" × 8.5" × 1.8" )
<b>Certification</b>	
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



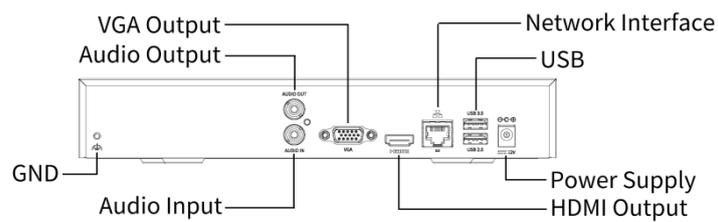
## Accessories

### RM-1U-260

1 HDD 1U NVR Rack Mount



## Rear Panel



# Unlimited New View

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