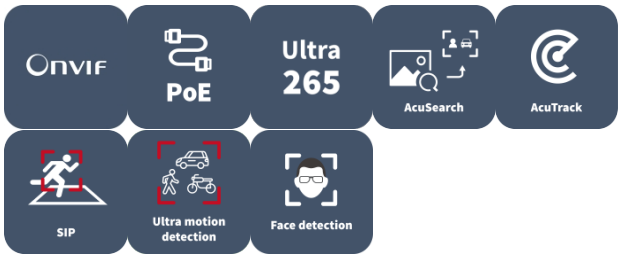
Network Video Recorder

NVR501-B-P-IQ Series



Features

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

Specifications

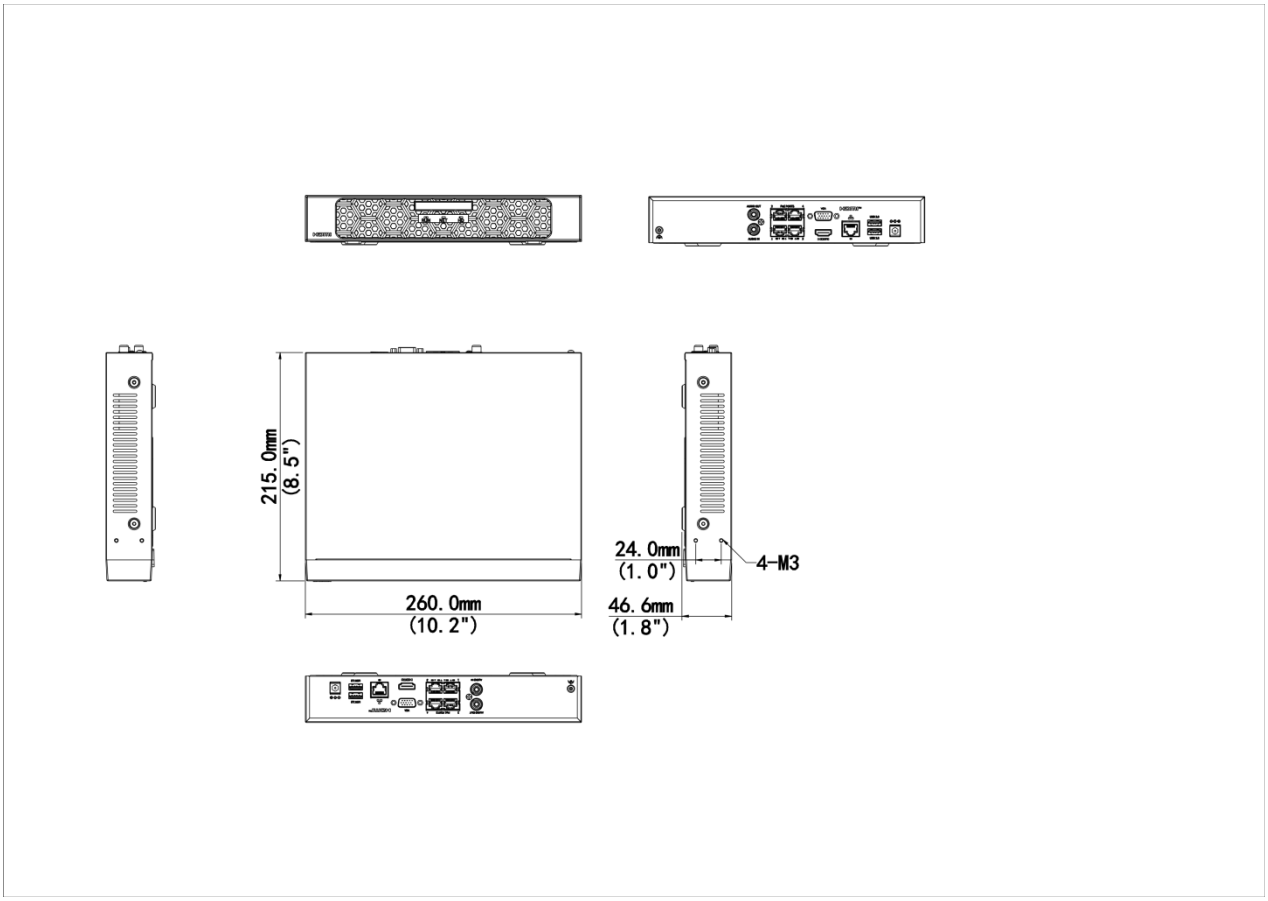
Model	NVR501-04B-P4-IQ	NVR501-08B-P8-IQ
Decoding		
Decoding Format	Ultra 265, H.265, H.264	
Decoding Capability	Smart Off: 2 x 16MP@30, 2 x 12MP@30, 4 x 4K@30Smart On: 2 x 12MP@30, 2 x 4K@30, 4 x 4MP@30	Smart Off: 2 x 16MP@30, 2 x 12MP@30, 4 x 4K@30, 8 x 4MP@30Smart On: 2 x 12MP@30, 2 x 4K@30, 6 x 4MP@30, 8 x 3MP@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	
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
RCA Audio Input	1-ch	
Video/Audio Output		
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	1/4/6/8/9
Corridor Mode Screen	3/4	3/4/5/7/9
Two-way Audio		
Two-way Audio	1-ch, RCA (Using the audio input and output)	
Snapshot		
FTP/Schedule/Event Snapshot	4-ch snapshot (max. 8 MP (3840 × 2160) video resolution, with 1080P snapshot resolution)	
Recording		
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	
Smart		
VCA Detection by IPC	Face Detection, Face Comparison, Vehicle Detection, 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	
Smart by NVR	Face Detection, Face Comparison, Smart Intrusion Prevention (SIP), Ultra Motion Detection (UMD)	
VCA Search	Face Snapshot Search, Face Comparison Search, Motor Vehicle Search, Non-Motor Vehicle Search, Human Body Search, General Search, People Counting Report, Heat Map, SmartSearch+, AcuSearch	
Smart by IPC	All channels (up to 8 images/s in total)Face Detection, Face Comparison, Vehicle Detection, Temperature Detection, SIP, UMD, Video Metadata, Traffic Monitoring	
Vehicle Picture Library	Up to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total	
SIP by NVR	4-ch	
UMD by NVR	4-ch	8-ch

Capacity of Snapshot Records	500 thousand records for face snapshot, One and a half millions records for SIP and vehicle	
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	IP Conflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording/Snapshot Abnormal, Array Damaged, Array Degraded	
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	
Hard Disk		
SATA	1 SATA Interface	
Capacity	Up to 16 TB for each HDD (The maximum HDD capacity varies with environment temperature and hard disk size)	
External Interface		
Network Interface	1 RJ45 10 M/100 M self-adaptive Ethernet Interface	
Network Working Mode	Single port, not involved	
USB	Front panel: 1 × USB2.0, Rear panel: 1 × USB3.0	
RS485	N/A	
RS232	N/A	
Alarm In	N/A	
Alarm Out	N/A	
Power Supply	DC 48 V/1.35 A	DC 52 V/1.8 A
PoE		
PoE Interface	4 RJ45 10 M/100 M self-adaptive Ethernet Interface	8 RJ45 10 M/100 M self-adaptive Ethernet Interface
Max Power	Max 30 W for single port, Max 50 W in total	Max 30 W for single port, Max 75 W in total
Supported Standard	IEEE 802.3at, IEEE 802.3af	
Working Environment		
Working Temperature	-10 ℃ to 50 ℃ (14 ℉ to 122 ℉)	
Working Humidity	≤ 90% RH (non-condensing)	
Power Consumption (without HDD)	≤ 8W	
Dimensions		
Weight (without HDD)	≤ 1Kg (2.2lb)	
Height	1U	
Dimensions	260mm ×215mm × 46.6mm (10.2" ×8.5" ×1.8")	
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

Aggregate product size diagram using NVR501-04B-P4-IQ as an example

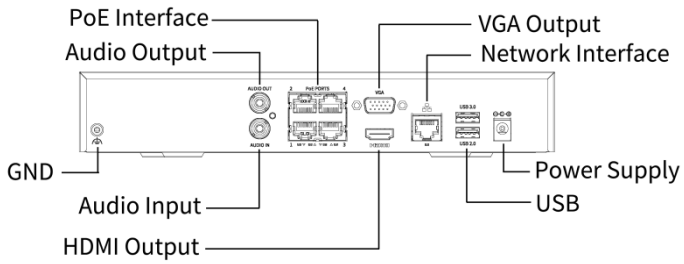


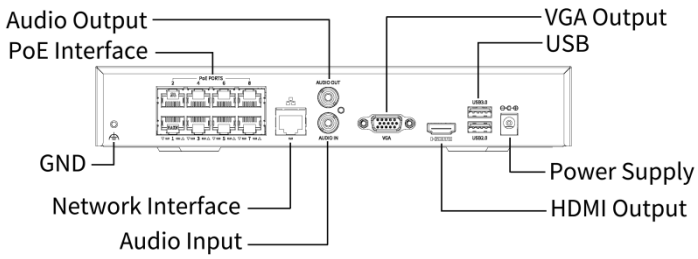
Accessories

RM-1U-260

1 HDD 1U NVR Rack Mount

Rear Panel





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