Network Video Recorder

NVR502-B-P Series

Features

- Support Ultra 265/H.265/H.264 video formats

- 8/16/32-channel input

- Plug & Play with 8/16 independent PoE network interfaces

- Support mainstream cameras of ONVIF conformance(Profile S, Profile G, Profile T) and RTSP protocols

- Support 1-ch HDMI, 1-ch VGA. HDMI up to 4K (3840x2160) resolution

- VGA and HDMI independent output

- Up to 16 Megapixels resolution recording

- ANR technology to enhance the storage reliability when the network is disconnected

- Support cloud upgrade

Specifications

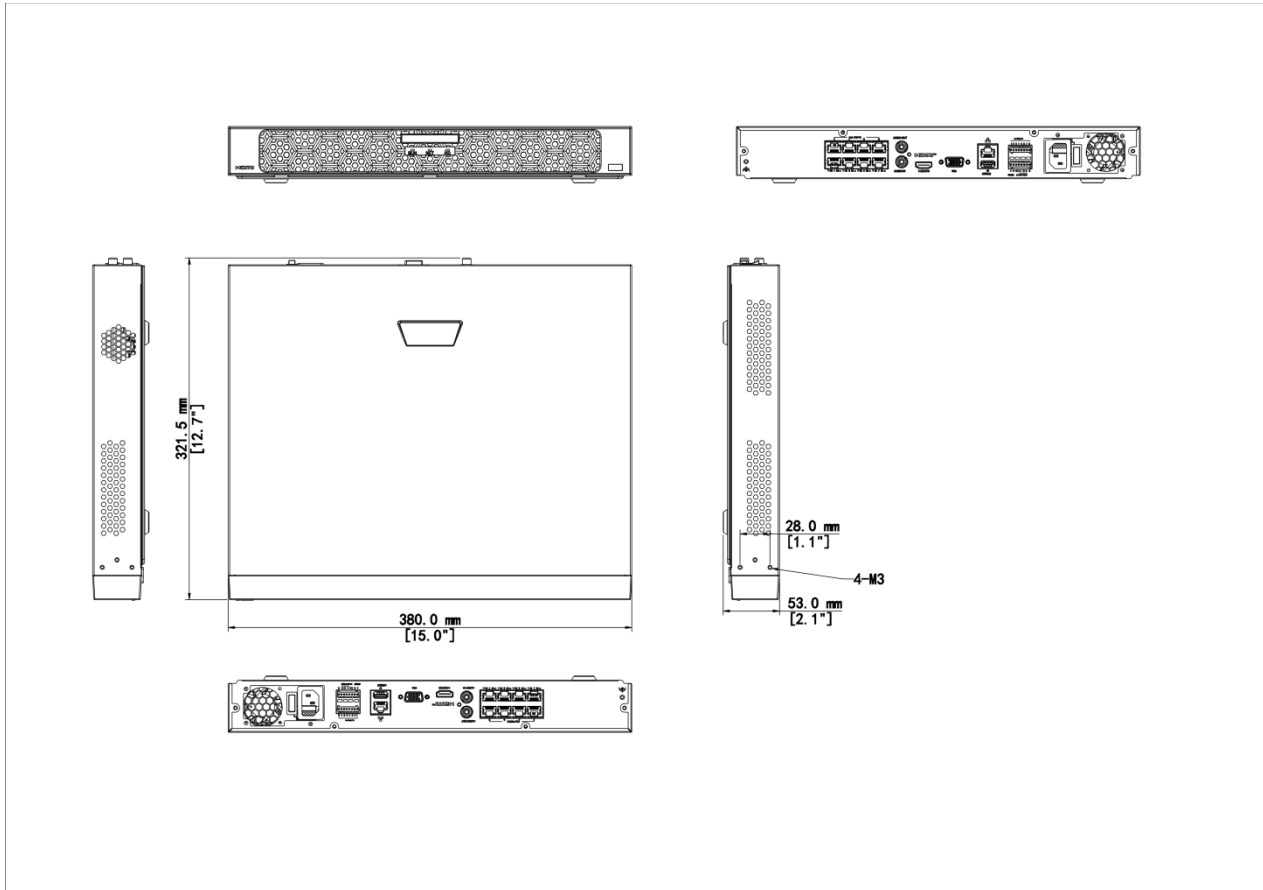| Model	NVR502-08B-P8	NVR502-16B-P16	NVR502-32B-P16
Decoding			
Decoding Format	Ultra 265, H.265, H.264		

Decoding Capability	Ultra 265/H.265: 2 x 16MP@30, 2 x 12MP@30, 4 x 4K@30, 6 x 5MP@30, 8 x 4MP@30 H.264: 2 x 16MP(4800*2688)@30, 2 x 12MP@30, 2 x 4K@30, 4 x 5MP@30, 6 x 4MP@30, 8 x 3MP@30	Ultra 265/H.265: 2 x 16MP@30, 2 x 12MP@30, 4 x 4K@30, 6 x 5MP@30, 8 x 4MP@30, 10 x 3MP@30, 16 x 1080P@30 H.264: 2 x 16MP(4800*2688)@30, 2 x 12MP@30, 2 x 4K@30, 4 x 5MP@30, 6 x 4MP@30, 8 x 3MP@30, 14 x 1080P@30, 16 x 720P@30	Ultra 265/H.265: 2 x 16MP@30, 2 x 12MP@30, 4 x 4K@30, 6 x 5MP@30, 8 x 4MP@30, 10 x 3MP@30, 16 x 1080P@30, 32 x 960P@25 H.264: 2 x 16MP(4800*2688)@30, 2 x 12MP@30, 2 x 4K@30, 4 x 5MP@30, 6 x 4MP@30, 8 x 3MP@30, 14 x 1080P@30, 30 x 720P@30, 32 x D1
Decoding Capability Description	The resolution of each channel cannot exceed 8192 pixels in length and 4096 pixels in width, For VGA/HDMI independent output, the VGA live video is output by default. To output the highest resolution video from the HDMI port, please clear the VGA video on the preview page.		
Audio Compression	G.711A, G.711U		
Network			
Incoming Bandwidth	320 Mbps		
Outgoing Bandwidth	160 Mbps		
Remote Users	128		
Protocols	TCP/IP, P2P, UPnP, 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	8-ch	16-ch	32-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	1/4/6/8/9/16/25/32
Corridor Mode Screen	3/4/5/7/9	3/4/5/7/9/10/12/16	3/4/5/7/9/10/12/16/32

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	16 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080P/960P/720P/D1/2CIF/CIF		
Synchronous Playback in Local	8-ch	16-ch	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
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
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

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

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	2 SATA Interfaces
Capacity	Up to 16 TB for each HDD (The maximum HDD capacity varies with environment temperature)
Disk Group	Support
Redundant Storage	Support
Disk Array Type	RAID 1

External Interface	
Network Interface	1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet Interface
USB	Front panel: 1 × USB2.0, Rear panel: 1 × USB3.0
RS485	1
RS232	N/A
Alarm In	8-ch
Alarm Out	2-ch
Power Supply	AC 100 to 240 V
Power Switch	Support

PoE			
PoE Interface	8 RJ45 10 M/100 M self-adaptive Ethernet Interface	16 RJ45 10 M/100 M self-adaptive Ethernet Interface	16 RJ45 10 M/100 M self-adaptive Ethernet Interface
Max Power	Max 30 W for single port, Max 130 W in total	Max 30 W for single port, Max 240 W in total	Max 30 W for single port, Max 240 W in total
Supported Standard	IEEE 802.3at, IEEE 802.3af		

Working Environment	
Working Temperature	-10 ℃ to 55 ℃ (14 ℉ to 131 ℉)
Working Humidity	≤ 90% RH (non-condensing)
Power Consumption (without HDD)	≤ 20W

Dimensions	
Weight (without HDD)	≤ 2.6Kg (5.73lb)
Dimensions	380mm × 322mm × 53mm (15.0"×12.7"×2.1")

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

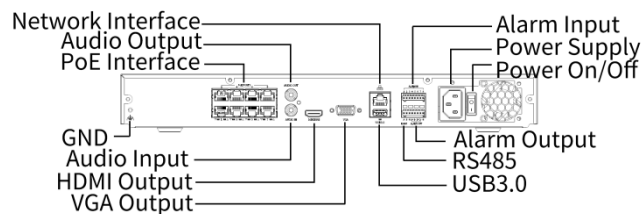Aggregate product size diagram using NVR502-08B-P8 as an example

Accessories
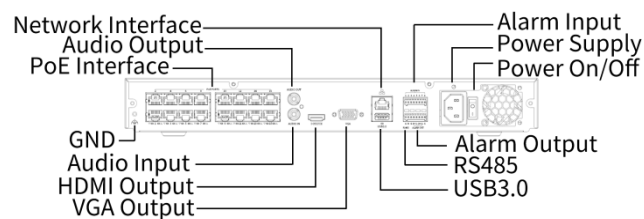
RM-1U-380

2 HDD 1U NVR Rack Mount

Rear Panel

[NVR502-08B-P8]

Network Interface
Audio Output
PoE Interface
Alarm Input
Power Supply
Power On/Off

GND
Audio Input
HDMI Output
VGA Output
Alarm Output
RS485
USB3.0

[NVR502-16/32B-P16]

Network Interface
Audio Output
PoE Interface
Alarm Input
Power Supply
Power On/Off

GND
Audio Input
HDMI Output
VGA Output
Alarm Output
RS485
USB3.0

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