

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 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

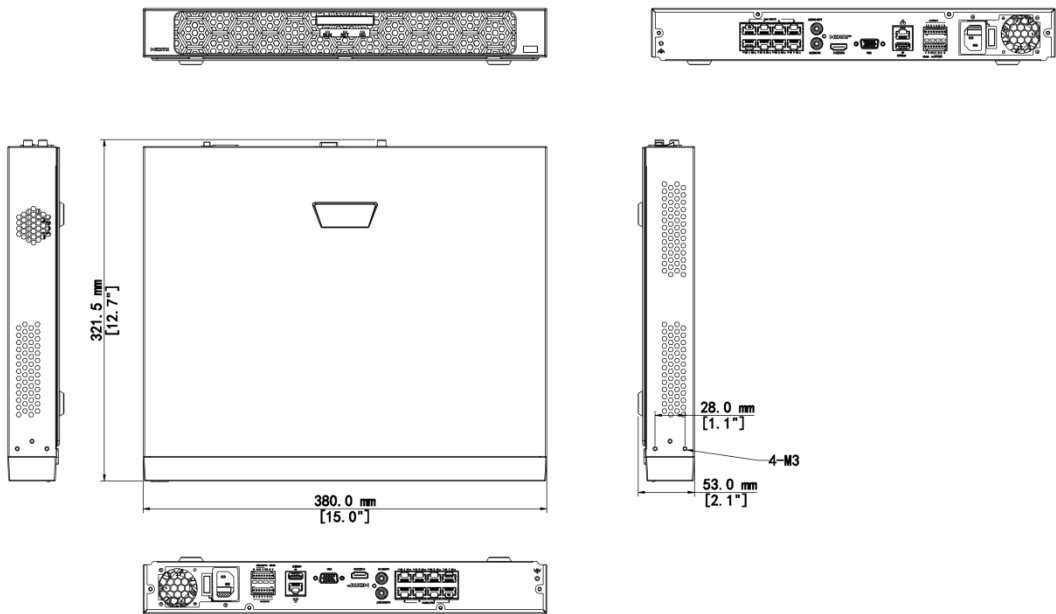
Model	NVR502-08B-P8		NVR502-16B-P16	NVR502-32B-P16
Decoding				
Decoding Format	Ultra 265, H.265, H.264			
Decoding Capability	Ultra 265/H.265: 2 x	Ultra 265/H.265: 2 x	Ultra 265/H.265: 2 x	
	16MP@30, 2 x 12MP@30, 4 x	16MP@30, 2 x 12MP@30, 4 x	16MP@30, 2 x 12MP@30, 4 x	
	4K@30, 6 x 5MP@30, 8 x	4K@30, 6 x 5MP@30, 8 x	4K@30, 6 x 5MP@30, 8 x	
	4MP@30	4MP@30, 10 x 3MP@30, 16 x	4MP@30, 10 x 3MP@30, 16 x	
		1080P@30	1080P@30, 32 x 960P@25	
	H.264: 2 x	H.264: 2 x	H.264: 2 x	
	16MP(4800*2688)@30, 2 x	16MP(4800*2688)@30, 2 x	16MP(4800*2688)@30, 2 x	
	12MP@30, 2 x 4K@30, 4 x	12MP@30, 2 x 4K@30, 4 x	12MP@30, 2 x 4K@30, 4 x	
	5MP@30, 6 x 4MP@30, 8 x	5MP@30, 6 x 4MP@30, 8 x	5MP@30, 6 x 4MP@30, 8 x	
3MP@30	3MP@30, 14 x 1080P@30, 16 x	3MP@30, 14 x 1080P@30, 30 x		
	720P@30	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 °C to 55 °C (14 °F to 131 °F)		
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

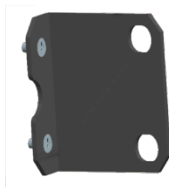
Aggregate product size diagram using NVR502-08B-P8 as an example



Accessories

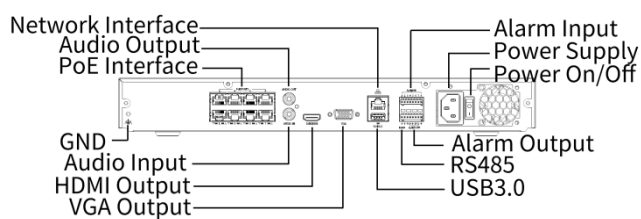
RM-1U-380

2 HDD 1U NVR Rack Mount

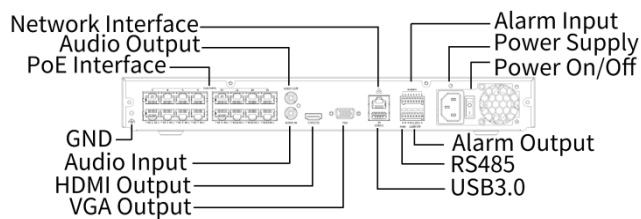


Rear Panel

[NVR502-08B-P8]



[NVR502-16/32B-P16]



Zhejiang Uniview Technologies Co., Ltd.



<http://www.uniview.com>



overseasbusiness@uniview.com; globalsupport@uniview.com



No. 369, Xietong Road, Xixing Sub-district, Binjiang District, Hangzhou City, 310051, Zhejiang Province, China



©2023-2025 Zhejiang Uniview Technologies Co., Ltd. All rights reserved.

*Product specifications and availability are subject to change without notice.

*Despite our best efforts, technical or typographical errors may exist in this document.

Uniview cannot be held responsible for any such errors and reserves the right to change the contents of this document without prior notice.