

Network Video Recorder

NVR502-B-P Series



Key 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
- 2 SATA HDD, up to 10TB for each HDD
- 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	
Video/Audio Input				
IP Video Input	8-ch	16-ch	32-ch	
Audio Input	1-ch, RCA			
Network				
Incoming bandwidth	320Mbps			
Outgoing bandwidth	160Mbps			
Remote Users	128			
Protocols	TCP/IP, P2P, UPnP, NTP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, SNMP, SMTP, RTSP, IPV6			
Browser	IE(IE10/11) for Windows			
	Firefox (version 52.0 and above) for Windows			
	Chrome(version 45 and above) for Windows			
	Edge(version 79 and above) for Windows			
Video/Audio Output				
HDMI/VGA Output	HDMI: 4K (3840x2160)@30, 1920x1080p@60, 1920x1080p@50, 1600x1200@60, 1280x1024@60, 1280x720@60, 1024x768@60 VGA: 1920x1080p@60, 1920x1080p@50, 1280x1024@60, 1600x1200@60, 1280x720@60, 1024x768@60			
Recording Resolution	16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/CIF			
Audio Output	1-ch, RCA			
Two-way Audio	1-ch, RCA(Using the audio input and output)			
Audio Compression	G.711A, G.711U			
Synchronous Playback	8-ch	16-ch	16-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	
Snapshot				
FTP/Schedule/Event Snapshot	4-ch snapshot, up to D1 resolution			
Decoding				
Decoding format	Ultra 265/H.265/H.264			
Live view/Playback	16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/CIF			
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, 10 x 3MP@30, 16 x 1080P@30, 32 x 960P@25 H.264: 2 x 16MP(4800 x 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			
Hard Disk	· · ·			



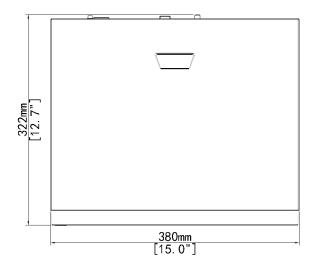


Capacity Up to 10TB for each disk Smart VCA Detection by Chelcide Detection, Intrusion Detection, Temperature Measurement, Smoke and Fire Detection), UMD(Ultra Motion Commerce Colors of Motor Vehicle Search, Intrusion Detection), UMD (Video Metadata, Traffic Monitoring VCA Search Motor Vehicle Search, Non-Motor Vehicle Search, Human Body Search, General Search, People Counting Report People Counting People Flow Counting, Crowd Density Monitoring Smart Intrusion Prevention (SIP), Voice Office of Monitoring by Counting By Counting Search (Search, People Counting And Density Monitoring By Counting By Cou	SATA	2 SATA interfaces			
VCA Detection by Camera VCA Detection, by Camera VCA Search Motor Vehicle Search, Non-Motor Vehicle Search, Human Body Search, General Search, People Counting Report People Counting People Flow Counting, Crowd Density Monitoring Smart Intrusion Prevention (SIP), Vehicle Detection, UMD (Vehicle Search, Non-Motor Vehicle Search, Human Body Search, General Search, People Counting Report WIND, Video Metadata, Traffic Monitoring by Camera General Alarm Defocus Detection, Video Lots, Alarm Input, Audio Detection Intrusion Prevention (SIP), Vehicle Detection, Video Loss, Alarm Input, Audio Detection Interface Network Interface Network Interface 1 R1-45 10M/100M/1000M self-adaptive Ethernet Interface 1 R2-45 10M/100M/1000M self-adaptive Ethernet Interface Network Interface Network Interface 1 R3-45 10M/100M/1000M self-adaptive Ethernet Interface Network Interface Network Interface 1 R3-45 10M/100M/1000M self-adaptive Ethernet Interface 1 R3-45 10M/100M/100M self-adaptive Ethernet Interface Network Interface Network Interface 1 R3-45 10M/100M/100M self-adaptive Ethernet Interface Network Interface Network Interface 1 R3-45 10M/100M/100M self-adaptive Ethernet Interface Network Interface Network Interface 1 R3-45 10M/100M/100M self-adaptive Ethernet Interface Network Interface Network Interface Network Interface 1 R3-45 10M/100M/100M self-adaptive Ethernet Interface Network Interface Network Interface 1 R3-45 10M/100M self-adaptive Ethernet Interface Network Interface Network Interface Network Interface 1 R3-45 10M/100M self-adaptive Ethernet Interface Network Interface Network Interface Network Interface Network Interface 1 R3-45 10M/100M self-adaptive Ethernet Interface Network Interface Network Interface Network Interface Network Interface Network Interface 1 R3-45 10M/100M self-adaptive Ethernet Interface Network Int	Capacity	Up to 10TB for each disk			
Detection, Smoking Detection, Temperature Measurement, Smoke and Fire Detection), UMDi(Ultra Motion Detection), UMDe Detection, Index Detection, UMD, Video Detection, Prevention (SIP), Vehicle Detection, UMD, Video Detection, UMD, Video Detection, UMD, Video Detection, UMD, Video Metadata, Traffic Monitoring Prevention (SIP), Vehicle Detection, UMD, Video Metadata, Traffic Monitoring Prevention (SIP), Vehicle Detection, Video Loss, Alarm Input, Audio Detection and Prevention (SIP), Vehicle Detection, Video Loss, Alarm Input, Audio Detection, Prevention (SIP), Vehicle Detection, Video Loss, Alarm Input, Audio Detection, Hard Disk Fully Recording/Snapshot Abnormal. Prevention (SIP) Recording/Snapshot Abnormal Prevention (SIP), Vehicle Detection, Video Loss, Alarm Input, Audio Detection, Hard Disk Fully Recording/Snapshot Abnormal Prevention (SIP), Video Loss, Alarm Input, Audio Detection (SIP), Video Loss, Alarm Input, Audio Detection, Prevention (SIP), Video Loss, Alarm Input, Audio Detection, Vide	Smart				
People Counting People Flow Counting, Crowd Density Monitoring Smart Intrusion Prevention (SIP), Vehicle Detection, UMD, Video Metadata, Traffic Monitoring by General Alarm Tampering, Human Body Detection, Object Left Behind, Object Removed, Auto Tracking, Motion, Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection Alert Alarm Pi Conflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording/Snapshot Abnormal External Interface Network Interface 1 RJ-45 10M/100M/1000M self-adaptive Ethernet Interface USB Interface Front: 1 x USB2.0, Rear panel: 1 x USB3.0 RS232 NA RS485 1 Alarm In 8-ch Alarm Out 2-ch PoE Interface 8 RJ-45 10M/100M self-adaptive Ethernet Interface Max 30W for single port Max 3doW for single port Max 240W in total Supported Standard IEEE 802.3st/st General Power Supply 100°-240V AC Power Consumption: < 20W (without HDD) Working Environment -10°C°+ 55°C (+14°F°+131°F), Humidiny < 90% RH (non-condensing) Dimensions (W-D-H) 380mm × 322mm × 53mm (15.0°×12.7°×2.1") Weight (without HDD) 5 c. FCC, UL, RoHS, WEEE	•	Detection, Smoking Detection, Temperature Measurement, Smoke and Fire Detection), UMD(Ultra Motion			
Smart Intrusion Prevention (SIP), Vehicle Detection, UMD, video Metadata, Traffic Monitoring by Camera General Alarm Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking, Motion, Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection Alert Alarm Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking, Motion, Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection Recording/Snapshot Abnormal External Interface Network Interface 1 RJ-45 10M/100M/1000M self-adaptive Ethernet Interface 1 RS-45 10M/100M/1000M self-adaptive Ethernet Interface 1 RS-485 1 Alarm In 8-ch Alarm Out 2-ch POE Interface 8 RJ-45 10M/100M self-adaptive Ethernet Interface 8 RJ-45 10M/100M self-adaptive Ethernet Interface Interface Interface 100-240V AC Power Supply Power Supply 100-240V AC Power Consumption: \$20W (without HDD) Working Environment 10°C~+ 55°C (+14°F~+131°F), Humidity \$90% RH (non-condensing) 10mensions (W×D×H) 10mensions (W×	VCA Search	Motor Vehicle Search, Non-Motor Vehicle Search, Human Body Search, General Search, People Counting Report			
Prevention (SIP), Vehicle Detection, VMID, Video Metadata, Traffic Monitoring by Camera General Alarm General Alarm Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking, Motion, Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection Alert Alarm IP Conflict, Network Disconnected, Usk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording/Snapshot Abnormal External Interface Network Interface 1 R1-45 10M/100M/1000M self-adaptive Ethernet Interface USB Interface Front: 1 x USB2.0, Rear panel: 1 x USB3.0 R5232 NA R5485 1 1 Alarm In 8-ch Alarm Out 2-ch PoE PoE Interface Max 30W for single port Max 130W for single port Max 30W for single port Max 130W in total Supported Standard EEE 802.3af/at General General Power Consumption: ≤ 20W (without HDD) Working Environment 10°C-9.55°C (+14*F°+131*F), Humidity ≤ 90% RH (non-condensing) Dimensions (WXDXH) 800 Ref (5.73lb) Certification Certification Certification Certification Certification Defocus Detection, Scienc Change Detection, Object Left Behind, Object Removed, Auto Tracking, Motion, Tampering, Motion, Object Left Behind, Object Left Be	People Counting	People Flow Counting, Crowd Density Monitoring			
General Alarm Defocus Detection, Scene Charge Detection, Object Left Behind, Object Removed, Auto Tracking, Motion, 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 External Interface Network Interface 1 RJ-45 10M/100M/1000M self-abptive Ethernet Interface USB Interface Front: 1 x USB2.0, Rear panel: 1 x USB3.0 RS232 NA RS485 1 Alarm In 8 -ch Alarm Out 2 -ch POE Interface Max F3 10M/100M self-adaptive Ethernet Interface Interface 8 RJ-45 10M/100M self-adaptive Ethernet Interface Max Power Max 30W for single port Max 130W in total Max 30W for single port Max 240W in total Supported Standard 16 EB 802.3af/at Max 240W in total General Power Supply 100~240V AC Power Consumption: ≤ 20W (without HDD) Power Supply 100~240V AC Power Consumption: ≤ 20W (without Self-adaptive Ethernet Interface) Dimensions (Wx DxH) 380mm x 322mm x 53mm (15.0" ± 2.7" x 2.1") 2.2.7" x 2.1")	Prevention (SIP), Vehicle Detection, UMD, Video Metadata, Traffic Monitoring by	Total 8-ch			
Select Alarm Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection P Conflict, Network Disconnected, Disk Offline , Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording/Snapshot Abnormal	General Alarm				
Recording/Snapshot Abnormal External Interface Network Interface 1 RJ-45 10M/100M/1000M self-adaptive Ethernet Interface 1 RS-322 NA RS485 1 Alarm In 8-ch Alarm Out 2-ch POE Interface 8 RJ-45 10M/100M self-adaptive Ethernet Interface 16 RJ-45 10M/100M self-adaptive Ethernet Interface Nax 9ower Max 30W for single port Max 130W in total Supported Standard 1 EEE 802.3af/at General Power Supply 100°-240V AC Power Consumption: ≤ 20W (without HDD) Working Environment -10°C°+55°C (+14°F°+131°F), Humidity ≤ 90% RH (non-condensing) Dimensions (WxDxH) Weight (without HDD) Self-CC, UL, ROHS, WEEE CErtification CE, FCC, UL, ROHS, WEEE	General Alarm				
Network Interface 1 RJ-45 10M/100M/1000M self-adaptive Ethernet Interface USB Interface Front: 1 x USB2.0, Rear panel: 1 x USB3.0 RS232 NA RS485 1 Alarm In 8-ch Alarm Out 2-ch POE Interface 8 RJ-45 10M/100M self-adaptive Ethernet Interface Interface Interface Max 30W for single port Max 130W in total Max 30W for single port Max 240W in total Supported Standard IEEE 802.3af/at Feesat General Power Supply 100°240V AC Power Consumption: ≤ 20W (without HDD) Working Environment -10°C°+55°C (+14°F°+131°F), Humidity ≤ 90% RH (non-condensing) Dimensions (W×D×H) 380mm × 322mm × 53mm (15.0°×12.7°×2.1") Weight (without HDD) ≤ 2.6Kg (5.73lb)	Alert Alarm				
USB Interface Front: 1 x USB2.0, Rear panel: 1 x USB3.0 RS232 NA RS485 1 Alarm In 8-ch Alarm Out 2-ch POE Interface 8 RJ-45 10M/100M self-adaptive Ethernet interface interface interface Max Power Max 30W for single port Max 130W in total Max 30W for single port Max 240W in total Supported Standard IEEE 802.3af/at Max 240W in total General Power Supply 100~240V AC Power Consumption: ≤ 20W (with—thDD) Working Environment 1-0*C~+ 55*C (+14*F~+131*F), Humidity ≤ 90% RH (non-condensing) Dimensions (W×D×H) 380mm x 322mm x 53mm (15.0*x12.7*x2.1*) Weight (without HDD) ≤ 2.6Kg (5.73ib) Certification Certification	External Interface				
RS232 NA RS485 1 Alarm In 8-ch Alarm Out 2-ch POE Interface 8 RJ-45 10M/100M self-adaptive Ethernet Interface Inter	Network Interface	1 RJ-45 10M/100M/1000M self-adaptive Ethernet Interface			
RS485 1 Alarm In 8-ch Alarm Out 2-ch POE Interface 88.RJ-45 10M/100M self-adaptive Ethernet Interface Interface Interface Interface Max 30W for single port Max 130W in total IEEE 802.3af/at Ceneral Power Supply 100°240V AC Power Consumption: ≤ 20W (without HDD) Working Environment -10°C°+55°C (+14°F°+131°F), Humidity ≤ 90% RH (non-condensing) Dimensions (WxDxH) 380mm x 322mm x 53mm (15.0" x12.7" x2.1") Weight (without HDD) 52.6Kg (5.73lb) Certification Certification Certification Certification A8 RJ-45 10M/100M self-adaptive Ethernet Interface Interface Max 30W for single port Max 30W for single port Max 30W for single port Max 240W in total Max 90W for single port Max 240W in total Max 90W for single port Max 240W in total Max 240W in total Max 90W for single port Max 240W in total Max 90W for single port Max 240W in total Max 90W for single port Max 30W for single port Max 240W in total Max 90W for single port Max 30W for single port Max 240W in total Max 90W for single port Max 30W for single port Max 240W in total Max 90W for single port Max 30W for single port Max 240W in total Max 90W for single port Max 30W for single port Max 240W in total Max 90W for single port Max 30W for single	USB Interface	Front: 1 x USB2.0, Rear panel: 1 x USB3.0			
Alarm In 8-ch Alarm Out 2-ch POE Interface 8 RJ-45 10M/100M self-adaptive Ethernet Interface Interface Interface Nax 30W for single port Max 130W in total Nax 240W in total Supported Standard IEEE 802.3af/at Ceneral Power Supply 100°240V AC Power Consumption: ≤ 20W (with-ut HDD) Working Environment -10°C*+ 55°C (+14°F*+131°F), Humidity ≤ 90% RH (non-condensing) Dimensions (W×D×H) 380mm × 322mm × 53mm (15.0" ×12.7" ×2.1") Weight (without HDD) 2.6Kg (5.73lb) Certification CE, FCC, UL, RoHS, WEEE	RS232	NA			
Alarm Out 2-ch POE Interface 8 RJ-45 10M/100M self-adaptive Ethernet Interface Inter	RS485	1			
PoE Interface 8 RJ-45 10M/100M self-adaptive Ethernet interface Max Power Max 30W for single port Max 130W in total Max 240W in total Supported Standard IEEE 802.3af/at General Power Supply 100~240V AC Power Consumption: ≤ 20W (without HDD) Working Environment -10°C~+ 55°C (+14°F~+131°F), Humidity ≤ 90% RH (non-condensing) Dimensions (W×D×H) 380mm × 322mm × 53mm (15.0"×12.7"×2.1") Weight (without HDD) ≤ 2.6Kg (5.73lb) Certification Certification CE, FCC, UL, RoHS, WEEE	Alarm In	8-ch			
Interface Solution	Alarm Out	2-ch			
Interface self-adaptive Ethernet Interface 16 RJ-45 10M/100M self-adaptive Ethernet Interface Interface 16 RJ-45 10M/100M self-adaptive Ethernet Interface 17 Max 30W for single port 18 Max 30W for single port 18 Max 130W in total 18 Max 240W in total 19 Max 240	PoE				
Max Power Max 130W in total Max 240W in total Supported Standard IEEE 802.3af/at Power Supply Power Supply 100°240V AC Power Consumption: ≤ 20W (without HDD) Working Environment -10°C~+ 55°C (+14°F~+131°F), Humidity ≤ 90% RH (non-condensing) Dimensions (W×D×H) 380mm × 322mm × 53mm (15.0"×12.7"×2.1") Weight (without HDD) Certification Cer	Interface	self-adaptive Ethernet	16 RJ-45 10M/100M self-adaptive Ethernet Interface		
General Power Supply 100~240V AC Power Consumption: ≤ 20W (without HDD) Working Environment -10°C~+ 55°C (+14°F~+131°F), Humidity ≤ 90% RH (non-condensing) Dimensions (W×D×H) 380mm × 322mm × 53mm (15.0"×12.7"×2.1") Weight (without HDD) ≤ 2.6Kg (5.73lb) Certification Certification CE, FCC, UL, RoHS, WEEE	Max Power		_ ·		
Power Supply 100~240V AC Power Consumption: ≤ 20W (without HDD) Working Environment -10°C~+ 55°C (+14°F~+131°F), Humidity ≤ 90% RH (non-condensing) Dimensions (W×D×H) 380mm × 322mm × 53mm (15.0"×12.7"×2.1") Weight (without HDD) ≤ 2.6Kg (5.73lb) Certification Certification CE, FCC, UL, RoHS, WEEE	Supported Standard	IEEE 802.3af/at			
Power Supply Power Consumption: ≤ 20W (without HDD) Working Environment -10°C~+ 55°C (+14°F~+131°F), Humidity ≤ 90% RH (non-condensing) Dimensions (W×D×H) 380mm × 322mm × 53mm (15.0"×12.7"×2.1") Weight (without HDD) ≤ 2.6Kg (5.73lb) Certification Certification CE, FCC, UL, RoHS, WEEE	General				
Dimensions (W×D×H) 380mm × 322mm × 53mm (15.0"×12.7"×2.1") Weight (without HDD) ≤ 2.6Kg (5.73lb) Certification Certification CE, FCC, UL, RoHS, WEEE	Power Supply				
Weight (without HDD) ≤ 2.6Kg (5.73lb) Certification Certification CE, FCC, UL, RoHS, WEEE	Working Environment	-10°C~+ 55°C (+14°F~+131°F), Humidity ≤ 90% RH (non-condensing)			
Certification Certification CE, FCC, UL, RoHS, WEEE	Dimensions (W×D×H)	380mm × 322mm × 53mm (15.0"×12.7"×2.1")			
Certification CE, FCC, UL, RoHS, WEEE	Weight (without HDD)	≤ 2.6Kg (5.73lb)			
	Certification				
CE EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 55035	Certification	CE, FCC, UL, RoHS, WEEE			
	CE	EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 55035			



CC Part15 Subpart B

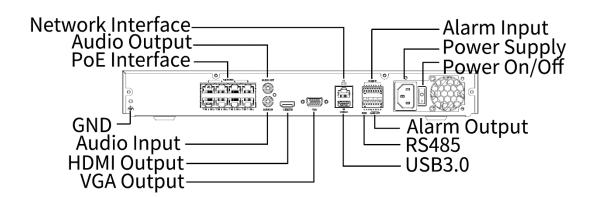
Dimensions





Rear Panel

Take NVR502-08B-P8 for example.



Zhejiang Uniview Technologies Co., Ltd.

No. 369, Xietong Road, Xixing Sub-district, Binjiang District, Hangzhou City, Zhejiang Province, China Email: overseasbusiness@uniview.com; globalsupport@uniview.com http://www.uniview.com

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

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