Network Video Recorder

NVR502-B-IQ Series

Features

- Support Ultra H.265/H.265/H.264 video formats
- 9/16/32-channel input
- Support 1-ch HDMI, 1-ch VGA. HDMI up to 4K (3840x2160) resolution
- Support HDMI and VGA independent output
- Up to 16 Megapixels resolution recording
- ANR technology to enhance the storage reliability when the network is disconnected
- Support cloud upgrade

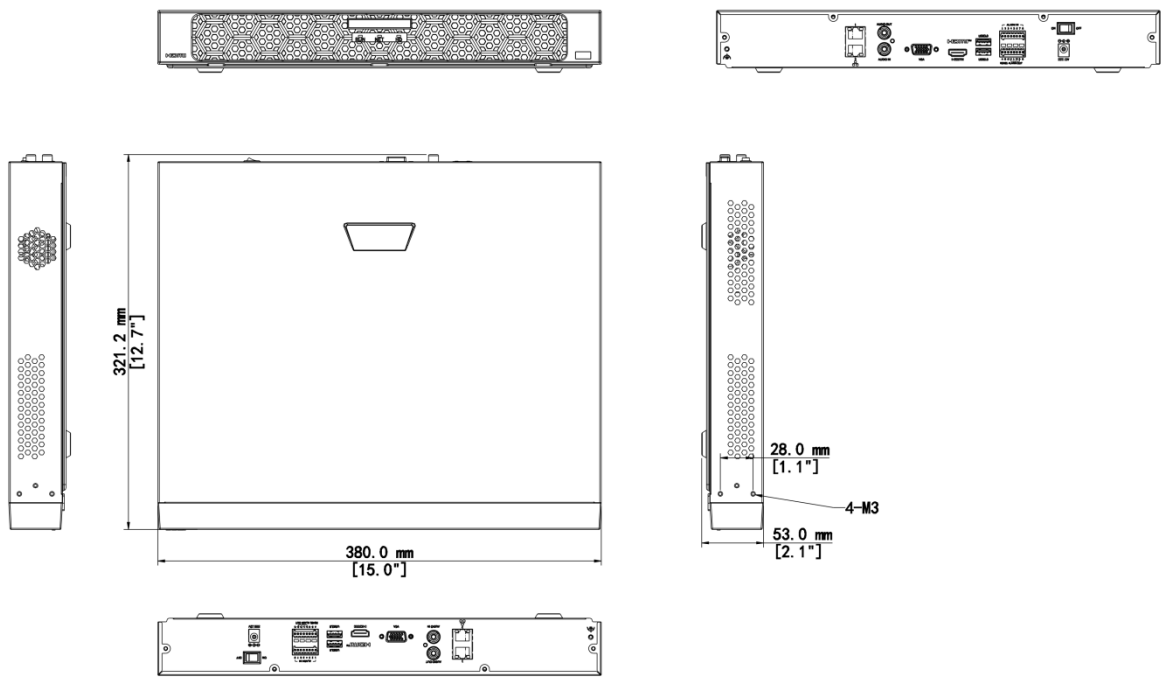
Specifications

Model	NVR502-09B-IQ	NVR502-16B-IQ	NVR502-32B-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@30, 8 x 4MP@30, 9 x 3MP@30, 9 x 1080P@30 Smart On：2 x 12MP@30, 2 x 4K@30, 6 x 4MP@30, 8 x 3MP@30, 9 x 1080P@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	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, 32 x 720P@30 Smart On：2 x 12MP@30, 2 x 4K@30, 6 x 4MP@30, 8 x 3MP@30, 12 x 1080P@30, 24 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	Smart Off：320Mbps Smart On：160Mbps		
Outgoing Bandwidth	160 Mbps		
Remote Users	128		
Protocols	TCP/IP, P2P, NTP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, SNMP, SMTP, NFS, RTSP, IPv6, IPv4		
Browser (Plugin)	IE10, IE11, Chrome 45+, Edge 79+, Firefox 52+		
Video/Audio Input			
IP Video Input	9-ch	16-ch	32-ch
RCA Audio Input	1-ch		
Peripheral Input			
Ip Speaker	16-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. 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		
Synchronous Playback in Local	9-ch	16-ch	16-ch
Smart			
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 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 8-ch with normal camera (UNV and Third-part brand, 8-ch 2MP, 4-ch 4MP, 2-ch 4K)		
by NVR	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)		
Search by Image	Support		
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 8-ch with normal camera (UNV and Third-part brand, 8-ch 2MP, 4-ch 4MP, 2-ch 4K)		
Capacity of Snapshot Records	2 millions records for face snapshot, 2 millions records for vehicle snapshot, 3 millions records for SIP, 2 millions records for video Metadata		
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	2 SATA Interfaces		
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.)		
Disk Group	Support		
Redundant Storage	Support		

Disk Array Type	RAID 1
External Interface	
Network Interface	2 RJ45 10 M/100 M/1000 M self-adaptive Ethernet Interface
USB	Front panel: 1 × USB2.0, Rear panel: 1 × USB2.0, 1 × USB3.0
RS485	1
RS232	N/A
Alarm In	8-ch
Alarm Out	2-ch
Power Supply	DC 12 V/3 A
Power Switch	Support
Working Environment	
Working Temperature	-10 ℃ to 50 ℃ (14 ℉ to 122 ℉)
Working Humidity	≤ 90% RH (non-condensing)
Power Consumption (without HDD)	≤ 12W
Dimensions	
Weight (without HDD)	≤ 2Kg (4.4lb)
Height	1U
Dimensions	380mm × 315mm × 53mm (15.0"×12.4"×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



Accessories

RM-1U-380

2 HDD 1U NVR Rack Mount

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