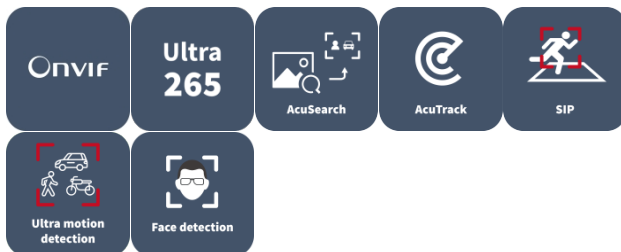


Network Video Recorder NVR502-B-IQ Series



Features

- Support Ultra H.265/H.265/H.264 video formats
- Support 9/16/32-channel input
- Support 1-ch HDMI, 1-ch VGA. HDMI up to 4K (3840x2160) resolution
- Support HDMI and VGA independent output
- Support up to 16 Megapixels resolution recording
- Support 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	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	
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.	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	G.711A, G.711U	
Network			
Incoming Bandwidth	Smart Off: 320Mbps Smart On: 160Mbps	Smart Off: 320Mbps Smart On: 160Mbps	
Outgoing Bandwidth	160 Mbps	160 Mbps	
Max Remote Users	128	128	
Protocols	TCP/IP P2P NTP DHCP PPPoE HTTP HTTPS DNS DDNS SNMP SMTP NFS RTSP IPv6 IPv4	TCP/IP P2P NTP DHCP PPPoE HTTP HTTPS DNS DDNS SNMP SMTP NFS RTSP IPv6 IPv4 UPnP HTTPS	
Browser (Plugin)	IE10, IE11, Chrome 45+, Edge 79+, Firefox 52+	IE10, IE11, Chrome 45+, Edge 79+, Firefox 52+	
Video/Audio Input			
IP Video Input	9-ch	16-ch	
RCA Audio Input	1-ch	1-ch	
Peripheral Input			
Ip Speaker	32-ch	16-ch	
POS	All channels	All channels	
Video/Audio Output			

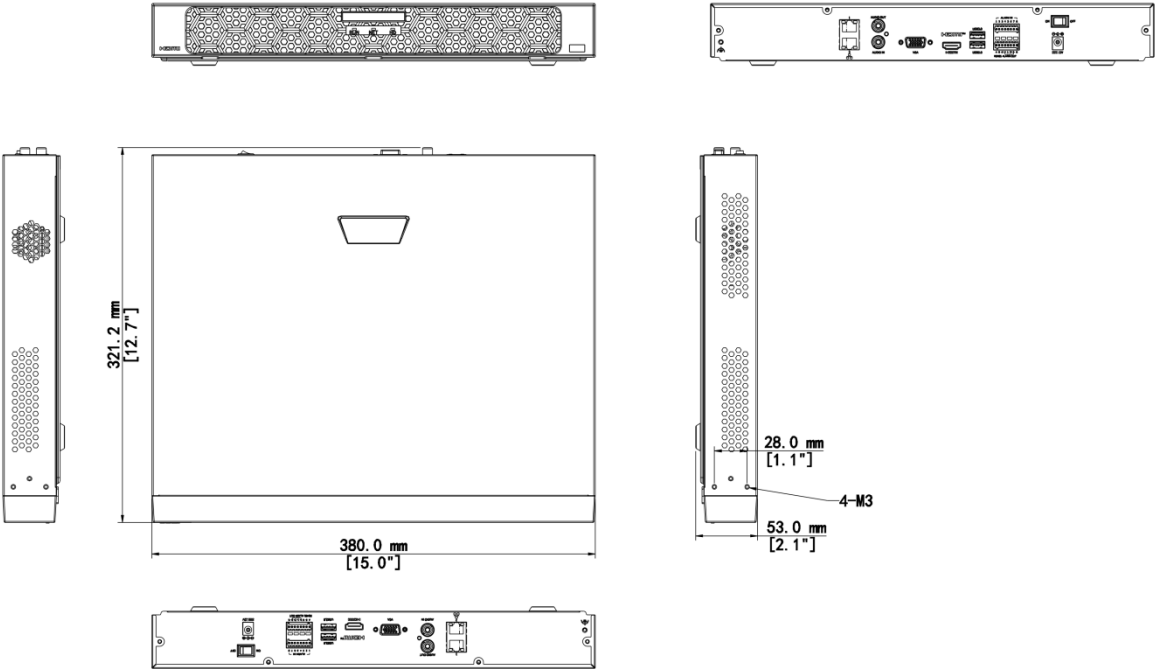
HDMI Output	4K (3840 × 2160)/30 Hz, 1920 × 1080/60 Hz, 1920 × 1080/50 Hz, 1600 × 1200/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz	4K (3840 × 2160)/30 Hz, 1920 × 1080/60 Hz, 1920 × 1080/50 Hz, 1600 × 1200/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz	
VGA Output	1920 × 1080/60 Hz, 1920 × 1080/50 Hz, 1600 × 1200/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz	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	1-ch	
Liveview Display	1/4/6/8/9	1/4/6/8/9/16	
Corridor Mode Screen	3/4/5/7/9	3/4/5/7/9/10/12/16	
Two-way Audio			
Two-way Audio	1-ch, RCA (Using the audio input and output)	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)	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	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	
Smart Function			
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	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)	Face Detection Face Comparison Smart Intrusion Prevention (SIP) Ultra Motion Detection (UMD)	
Smart by NVR Analyzer Mode	Single Mode (Face Recognition) Single Mode (SIP) Single Mode (UMD) Single Mode (AcuSearch/AcuTrack) Modes	Single Mode (Face Recognition) Single Mode (SIP) Single Mode (UMD) Single Mode (AcuSearch/AcuTrack) Modes	

	cannot active simultaneously, only one mode can active at a time.	cannot active simultaneously, only one mode can active at a time.	
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 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			
Acu Search Performance	All channels with UNV SIP/UMD Camera	All channels with UNV SIP/UMD Camera	
AcuTrack			
Acu Track Performance	All channels with UNV SIP/UMD Camera	All channels with UNV SIP/UMD Camera	
face detection			
face detection 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)	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	Support	
Plate Comparison			
Vehicle Number Library	Up to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total	Up to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total	
SIP			
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)	Up to 4-ch with normal camera (UNV and Third-part brand, 4-ch 2MP, 2-ch 4MP, 1-ch 4K)	
UMD			
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)	Up to 8-ch with normal camera (UNV and Third-part brand, 8-ch 2MP, 4-ch 4MP, 2-ch 4K)	
Capacity of Smart Snapshots			
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	2 millions records for face snapshot 2 millions records for vehicle snapshot 3 millions records for SIP 2 millions records for video	

	Metadata	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	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	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	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	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.)	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	Support	

Redundant Storage	Support	Support	
Disk Array Type	RAID 1	RAID 1	
External Interface			
Network Interface	2 RJ45 10 M/100 M/1000 M self-adaptive Ethernet 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	Front panel: 1 × USB2.0 Rear panel: 1 × USB2.0, 1 × USB3.0	
RS485	1	1	
RS232	N/A	N/A	
Alarm In	8-ch	8-ch	
Alarm Out	2-ch	2-ch	
Power Supply	DC 12 V/3 A	DC 12 V/3 A	
Power Switch	Support	Support	
Working Environment			
Working Temperature	-10 °C to 50 °C (14 °F to 122 °F)	-10 °C to 50 °C (14 °F to 122 °F)	
Working Humidity	≤ 90% RH (non-condensing)	≤ 90% RH (non-condensing)	
Power Consumption (without HDD)	≤ 12W	≤ 12W	
Dimensions			
Weight (without HDD)	≤ 2Kg (4.4lb)	≤ 2Kg (4.4lb)	
Height	1U	1U	
Dimensions	380mm × 315mm × 53mm (15.0"×12.4"×2.1")	380mm × 315mm × 53mm (15.0"×12.4"×2.1")	
Certification			
Certification	CE; FCC; UL; RoHS; WEEE	CE; FCC; UL; RoHS; WEEE	
CE	EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 55035	EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 55035	
FCC	Part15 Subpart B	Part15 Subpart B	

Dimensions



Accessories

RM-1U-380		
2 HDD 1U NVR Rack Mount		
		

Unlimited New View

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