Network Video Recorder
NVR502-E-IM-G Series

Features

- Support Ultra H.265/H.265/H.264 video formats
- 16/32-channel input
- Support 1-ch HDMI, 1-ch VGA, HDMI and VGA simultaneous output
- Up to 32 Megapixels resolution recording
- ANR technology to enhance the storage reliability when the network is disconnected
- Support Search by text function: up to 16-ch with 3rd party IPC, up to 32-ch with UNV SIP/UMD IPC
- Supports external USB keyboards
- Supports SIP, Video Metadata, LPR , Face Detection and Face Compartion by NVR
- Support cloud upgrade

Specifications

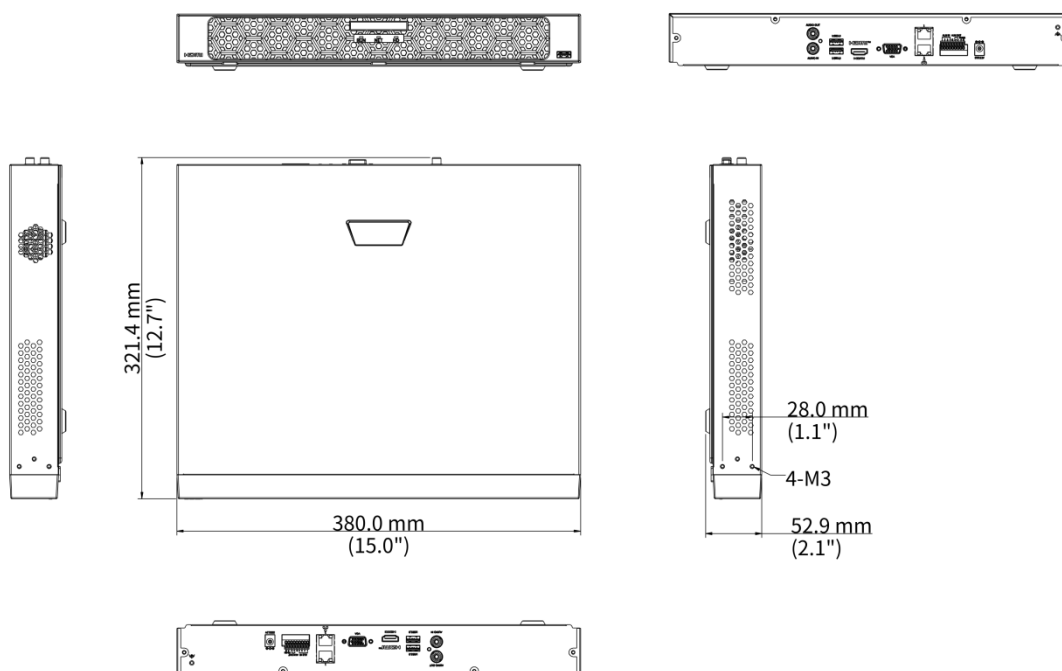| Model	NVR502-16E-IM-G	NVR502-32E-IM-G
BOM		
BOM	0235CBBN	0235CBBP
聚合 BOM		
聚合 BOM	0235CBBN	
Decoding		
Decoding Format	Ultra 265, H.265, H.264	

Decoding Capability	Smart Off: H265: 2 x 32MP@30, 4 x 16MP@30, 5 x 12MP@30, 8x 4K@30, 10x 6MP@30, 12x 5MP@30, 16 x 4MP@30, 16 x 3MP@30, 16 x 1080P@30 H264: 2 x 32MP@30, 4 x 16MP@30, 5 x 12MP@30, 8x 4K@30, 10x 6MP@30, 12x 5MP@30, 16 x 4MP@30, 16 x 3MP@30, 16 x 1080P@30 Smart On: When Smart by NVR on, 16 x 1080P@30 decoding capacity will be consumed.	H265: 2 x 32MP@30, 4 x 16MP@30, 5 x 12MP@30, 8x 4K@30, 10x 6MP@30, 12x 5MP@30, 16 x 4MP@30, 21 x 3MP@30, 32 x 1080P@30 H264: 2 x 32MP@30, 4 x 16MP@30, 5 x 12MP@30, 8x 4K@30, 10x 6MP@30, 12x 5MP@30, 16 x 4MP@30, 21 x 3MP@30, 32 x 1080P@30 Smart On: When Smart by NVR on, 16 x 1080P@30 decoding capacity will be consumed.
Decoding Capability Description	The resolution of each channel cannot exceed 8192 pixels in length or width	
Audio Compression	G.711A, G.711U	

Network		
Incoming Bandwidth	192 Mbps	
Outgoing Bandwidth	192 Mbps	
Max Users Can Be Added	32	
Remote Users	128	
Maximum Number of Clients	/	
Maximum Number of Simultaneous Forwarding Streamings	/	
Protocols	TCP/IP, P2P, SMTP, RTSP, UPnP, NTP, DHCP, PPPoE, HTTP, DNS, DDNS, IPv6, IPv4, HTTPS	
Browser (Plugin)	IE10, IE11, Chrome 45+, Edge 79+, Firefox 52+	
Browser (Plugin-Free)	Chrome 57+, Edge 16+, Firefox 58+, Safari 11+	

Video/Audio Input		
IP Video Input	16-ch	32-ch
BNC Audio Input	N/A	
RCA Audio Input	1-ch	
3.5mm Audio Input	N/A	

Video/Audio Output		
Video Output	Support 1-ch HDMI, 1-ch VGA, HDMI and VGA simultaneous output	
HDMI Output	4K (3840 × 2160)/30 Hz, 1920 × 1080/60 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	
HDMI Standard	HDMI1.4	
BNC Audio Output	N/A	
RCA Audio Output	1-ch	
3.5mm Audio Output	N/A	

Liveview Display	1/4/6/8/9/16	1/4/6/8/9/16/25/32
Default Num of Live Screen	16	32
Corridor Mode Screen	3/4/5/7/9/10/12/16	3/4/5/7/9/10/12/16/32
Playback Screen	1/4/9/16	
Corridor Mode Screen of Playback	1/3	
Two-way Audio		
Two-way Audio	1-ch, RCA (Using the audio input and output)	
Snapshot		
FTP/Schedule/Event Snapshot	16-ch snapshot (max. 8 MP (3840 × 2160) video resolution, with 1080P snapshot resolution)	
Recording		
Recording Resolution	32 MP/16 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080P/960P/720P/D1/2CIF/CIF	
Num of Concurrent Playback	32-ch	
Synchronous Playback in Local	16-ch	
Smart		
VCA Detection by IPC	Face Detection, Face Comparison, 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, Vehicle Detection (LPR)	
Smart by IPC	All channels (up to 16 images/s in total) Face Detection, Face Comparison, Vehicle Detection(LPR), Temperature Detection, SIP, UMD, 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, AcuSearch, SeekFree	
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	16-ch (2 MP) or 8-ch (4 MP) or 4-ch (4K)	
UMD by NVR	N/A	
with normal cameras	N/A	
Type	N/A	
Video Metadata by NVR	16-ch (2 MP) or 8-ch (4 MP) or 4-ch (4K)	
Video Metadata Type by NVR	Motor Vehicle: Vehicle Type, Vehicle Color, Vehicle Brand, Direction, Plate Type, Plate Color., Human Body: Gender, Age, Mask, Hairstyle, Bag Style, Direction, Upper Garment Length, Lower Garment Length, Upper Garment Color, Lower Garment Color., Non-Motor Vehicle: Non-Motor Vehicle Type, Direction, Gender, Age, Upper Garment Length, Upper Garment Color.	
Intelligent Mark by IPC	Support	
Capacity of Snapshot Records	2 millions records for face snapshot|2 millions records for SIP|2 millions records for vehicle snapshot	2 millions records for face snapshot|2 millions records for vehicle snapshot|2 millions records for SIP
Alarm		

General Alarm	Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking, Motion Detection, Tampering, Human Body Detection, Video Loss, Audio Detection, Alarm Input
Alert Alarm	IP Conflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording/Snapshot Abnormal
Num of Concurrent Processing Alarms	one every 5 seconds
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	N/A
Hot Swap	N/A
External Interface	
Network Interface	2 RJ45 10 M/100 M/1000 M self-adaptive Ethernet Interface
Network Working Mode	Muli-access, load balance, network fault-tolerance
USB	Front panel: 1 × USB2.0, Rear panel: 1 × USB2.0, 1 × USB3.0
RS485	1
RS232	N/A
Alarm In	4-ch
Alarm Out	1-ch
eSATA	N/A
miniSAS	N/A
Extension Board	N/A
Power Output	N/A
Buzzer	Support
Power Supply	DC 12 V/3 A
Power Switch	N/A
Redundant Power Supply	N/A
PoE	
PoE Interface	N/A
Max Power	N/A
Supported Standard	N/A
Working Environment	
Working Temperature	-10 ℃ to 55 ℃ (14 ℉ to 131 ℉)
Working Humidity	≤ 90% RH (non-condensing)

Power Consumption (without HDD)	≤25W	
Heat Dissipation	Fan, Radiator	
Dimensions		
Weight (without HDD)	1.87 KG	
Height	1U	
Dimensions	380mm × 322.4mm × 53mm (15.0" × 12.7" × 2.1")	380mm × 322.4mm × 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 50130	
FCC	Part15 Subpart B	
Compliance		
NDAA Compliant	Support	
Feature Supported		
Cruise Lines Num of Each Camera	4	
Preset Num	32	
N+1 Hot Spare	N/A	
Fisheye Dewarping by IPC	Support	
Fisheye Dewarping by NVR (Local)	N/A	
Dual-lens Cameras	Support	
Box-Dome Linkage	Support	
ANR	Support	
Downlink ONVIF	Support (Profile S)	
Uplink ONVIF	N/A	
Video Image Database (Uplink)	Support	
UCS (Web socket)	Support	
NAS	Support	
Ucode Basic Mode	Support	
Ucode Advanced Mode	Support	
POS	Support	
Output Mode	N/A	
Others		
Decoding Capability (1080P)	32	

Dimensions

321.4 mm
(12.7")

380.0 mm
(15.0")

28.0 mm
(1.1")

4-M3

52.9 mm
(2.1")

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