

Network Video Recorder NVR502-E-IM-G Series



Features

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

Specifications

| Model | NVR502-16E-IM-G | NVR502-32E-IM-G |
|---------------------------------|--|--|
| Decoding | | |
| Decoding Format | Ultra 265, H.265, H.264 | |
| Decoding Capability | <p>Smart Off:</p> <p>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</p> <p>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</p> <p>Smart On: When Smart by NVR on, 16 x 1080P@30 decoding capacity will be consumed.</p> | <p>Smart Off:</p> <p>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</p> <p>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</p> <p>Smart On: When Smart by NVR on, 16 x 1080P@30 decoding capacity will be consumed.</p> |
| 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 | |
| Protocols | TCP/IP, P2P, SMTP, NFS, 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 | |
| Peripheral Input | | |
| Ip Speaker | 16-ch | |
| POS | All channels | |
| 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, 1920 × 1080/50 Hz, 1280 × 720/60 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 | |

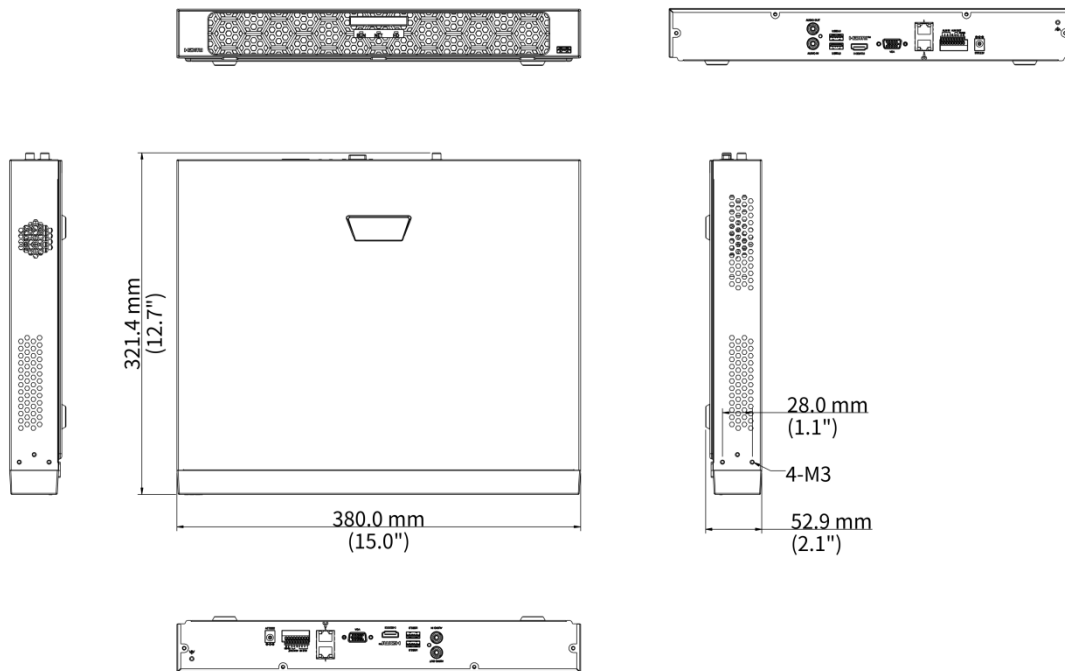
| | | |
|----------------------------------|---|-----------------------|
| BNC Audio Output | N/A | |
| RCA Audio Output | 1-ch | |
| Liveview Display | 1/4/6/8/9/16 | 1/4/6/8/9/16/25/32 |
| Default Num of Live Screen | 16 | 32 |
| Corridor Mode Screen | 3/4/5/7/9/10/12/16 | 3/4/5/7/9/10/12/16/32 |
| 3.5mm Audio Output | N/A | |
| 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 Function | | |
| 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, People Counting | |
| Smart by NVR | Face Detection, Face Comparison, Smart Intrusion Prevention (SIP), Video Metadata, Plate Comparison | |
| Smart by NVR Analyzer Mode | Single Mode (SIP), Mixed Mode (Face Recognition+Mixed-Traffic Detection+AcuSearch/AcuTrack), Modes cannot active simultaneously, only one mode can active at a time. | |
| VCA Search | Face Snapshot Search, Face Comparison Search, Behavior Search, Motor Vehicle Search, Non-Motor Vehicle Search, Human Body Search, General Search, People Counting Report, SmartSearch+, AcuSearch, AcuTrack, SeekFree | |
| AcuSearch | | |
| Acu Search Performance | All channels with UNV SIP/UMD Camera, Up to 16-ch with normal camera (UNV and Third-part brand, 16-ch 2MP, 8-ch 4MP, 4-ch 4K) | |
| SeekFree | | |
| SeekFree Performance | All channels with UNV SIP/UMD Camera, Up to 16-ch with normal camera (UNV and Third-part brand, 16-ch 2MP, 8-ch 4MP, 4-ch 4K) | |
| SeekFree Language | English | |
| by NVR | All channels with UNV Face Detection Camera, Up to 16-ch with normal camera (UNV and Third-part brand, 16-ch 2MP, 8-ch 4MP, 4-ch 4K) | |
| Search by Image | Support | |
| Plate Comparison | | |
| Vehicle Number Library | Up to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total | |
| SIP | | |

| | | |
|---|---|---|
| SIP by NVR with normal cameras | Up to 16-ch with normal camera (UNV and Third-part brand, 16-ch 2MP, 8-ch 4MP, 4-ch 4K) | |
| Video Metadata | | |
| Video Metadata by NVR with normal cameras | Up to 16-ch with normal camera (UNV and Third-part brand, 16-ch 2MP, 8-ch 4MP, 4-ch 4K) | |
| Video Metadata Type | Motor Vehicle: Vehicle Type, Vehicle Color, Vehicle Brand, Direction, Plate Type, Plate Color, Non-Motor Vehicle: Non-Motor Vehicle Type, Direction, Gender, Age, Upper Garment Length, Upper Garment Color, Human Body: Gender, Age, Mask, Hairstyle, Bag Style, Direction, Upper Garment Length, Lower Garment Length, Upper Garment Color, Lower Garment Color | |
| Capacity of Smart Snapshots | | |
| 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, Array Damaged, Array Degraded | |
| 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 | |
| Hot Swap | N/A | |
| External Interface | | |
| Network Interface | 2 RJ45 10 M/100 M/1000 M self-adaptive Ethernet Interface | |
| Network Working Mode | Multi-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 | |
| Power Output | N/A | |
| Extension Board | 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 °C to 55 °C (14 °F to 131 °F) | |
| 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 | | |
| NDA 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 | |
| Output Mode | N/A | |
| 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 |
| Others | |
| Decoding Capability (1080P) | 16 |

Dimensions



Unlimited New View

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