

## Network Video Recorder NVR502-B-P Series



## 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 1-ch HDMI, 1-ch VGA. HDMI up to 4K (3840x2160) resolution
- VGA and HDMI independent output
- Up to 16 Megapixels resolution recording
- ANR technology to enhance the storage reliability when the network is disconnected
- Support cloud upgrade

## Specifications

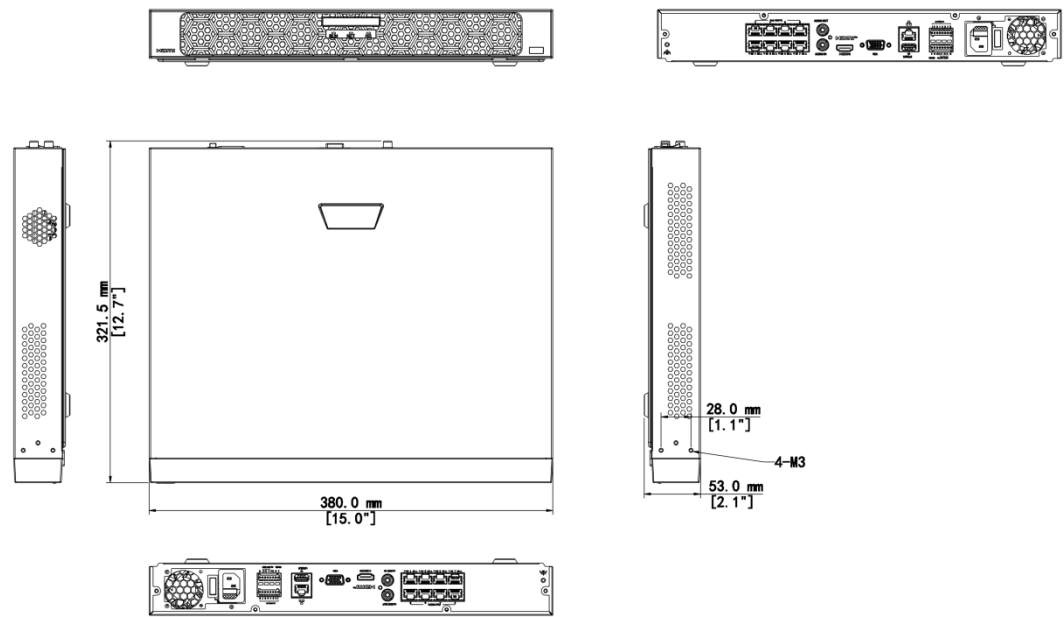
| Model                           | NVR502-08B-P8                                                                                                                                                                                                                                                                     |                             | NVR502-16B-P16            | NVR502-32B-P16 |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------|----------------|
| Decoding                        |                                                                                                                                                                                                                                                                                   |                             |                           |                |
| Decoding Format                 | Ultra 265, H.265, H.264                                                                                                                                                                                                                                                           |                             |                           |                |
| Decoding Capability             | Ultra 265/H.265: 2 x                                                                                                                                                                                                                                                              | Ultra 265/H.265: 2 x        | Ultra 265/H.265: 2 x      |                |
|                                 | 16MP@30, 2 x 12MP@30, 4 x                                                                                                                                                                                                                                                         | 16MP@30, 2 x 12MP@30, 4 x   | 16MP@30, 2 x 12MP@30, 4 x |                |
|                                 | 4K@30, 6 x 5MP@30, 8 x                                                                                                                                                                                                                                                            | 4K@30, 6 x 5MP@30, 8 x      | 4K@30, 6 x 5MP@30, 8 x    |                |
|                                 | 4MP@30                                                                                                                                                                                                                                                                            | 4MP@30, 10 x 3MP@30, 16 x   | 4MP@30, 10 x 3MP@30, 16 x |                |
|                                 |                                                                                                                                                                                                                                                                                   | 1080P@30                    | 1080P@30, 32 x 960P@25    |                |
|                                 | H.264: 2 x                                                                                                                                                                                                                                                                        | H.264: 2 x                  | H.264: 2 x                |                |
|                                 | 16MP(4800*2688)@30, 2 x                                                                                                                                                                                                                                                           | 16MP(4800*2688)@30, 2 x     | 16MP(4800*2688)@30, 2 x   |                |
|                                 | 12MP@30, 2 x 4K@30, 4 x                                                                                                                                                                                                                                                           | 12MP@30, 2 x 4K@30, 4 x     | 12MP@30, 2 x 4K@30, 4 x   |                |
|                                 | 5MP@30, 6 x 4MP@30, 8 x                                                                                                                                                                                                                                                           | 5MP@30, 6 x 4MP@30, 8 x     | 5MP@30, 6 x 4MP@30, 8 x   |                |
| 3MP@30                          | 3MP@30, 14 x 1080P@30, 16 x                                                                                                                                                                                                                                                       | 3MP@30, 14 x 1080P@30, 30 x |                           |                |
|                                 | 720P@30                                                                                                                                                                                                                                                                           | 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              | 320 Mbps                                                                                                                                                                                                                                                                          |                             |                           |                |
| Outgoing Bandwidth              | 160 Mbps                                                                                                                                                                                                                                                                          |                             |                           |                |
| Remote Users                    | 128                                                                                                                                                                                                                                                                               |                             |                           |                |
| Protocols                       | TCP/IP, P2P, UPnP, NTP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, SNMP, SMTP, RTSP, IPv6, IPv4                                                                                                                                                                                         |                             |                           |                |
| Browser (Plugin)                | IE10, IE11, Chrome 45+, Edge 79+, Firefox 52+                                                                                                                                                                                                                                     |                             |                           |                |
| Video/Audio Input               |                                                                                                                                                                                                                                                                                   |                             |                           |                |
| IP Video Input                  | 8-ch                                                                                                                                                                                                                                                                              | 16-ch                       | 32-ch                     |                |
| RCA Audio Input                 | 1-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. D1 (720 × 576) video resolution, with D1 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 | 8-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                                                                                                                                                                                                                                                    |                                                     |                                                     |
| VCA Search                    | Face Snapshot Search, Face Comparison Search, Motor Vehicle Search, Non-Motor Vehicle Search, Human Body Search, General Search, People Counting Report, Heat Map                                                                                                                                                                                                                                                         |                                                     |                                                     |
| 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                                                                                                                                                                                                                                                                          |                                                     |                                                     |
| 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             | 1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet Interface                                                                                                                                                                                                                                                                                                                                                                 |                                                     |                                                     |
| USB                           | Front panel: 1 × USB2.0, Rear panel: 1 × USB3.0                                                                                                                                                                                                                                                                                                                                                                           |                                                     |                                                     |
| RS485                         | 1                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                     |                                                     |
| RS232                         | N/A                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                     |                                                     |
| Alarm In                      | 8-ch                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                     |                                                     |
| Alarm Out                     | 2-ch                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                     |                                                     |
| Power Supply                  | AC 100 to 240 V                                                                                                                                                                                                                                                                                                                                                                                                           |                                                     |                                                     |
| Power Switch                  | Support                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |                                                     |
| PoE                           |                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                     |                                                     |
| PoE Interface                 | 8 RJ45 10 M/100 M self-adaptive Ethernet Interface                                                                                                                                                                                                                                                                                                                                                                        | 16 RJ45 10 M/100 M self-adaptive Ethernet Interface | 16 RJ45 10 M/100 M self-adaptive Ethernet Interface |
| Max Power                     | Max 30 W for single port, Max 130 W in total                                                                                                                                                                                                                                                                                                                                                                              | Max 30 W for single port, Max 240 W in total        | Max 30 W for single port, Max 240 W in total        |
| Supported Standard            | IEEE 802.3at, IEEE 802.3af                                                                                                                                                                                                                                                                                                                                                                                                |                                                     |                                                     |

| Working Environment             |                                                    |
|---------------------------------|----------------------------------------------------|
| Working Temperature             | -10 °C to 55 °C (14 °F to 131 °F)                  |
| Working Humidity                | ≤ 90% RH (non-condensing)                          |
| Power Consumption (without HDD) | ≤ 20W                                              |
| Dimensions                      |                                                    |
| Weight (without HDD)            | ≤ 2.6Kg (5.73lb)                                   |
| Dimensions                      | 380mm × 322mm × 53mm<br>(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 55035 |
| FCC                             | Part15 Subpart B                                   |

## Dimensions

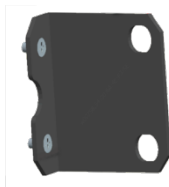
Aggregate product size diagram using NVR502-08B-P8 as an example



## Accessories

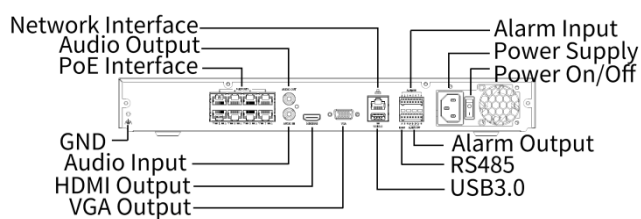
### RM-1U-380

2 HDD 1U NVR Rack Mount

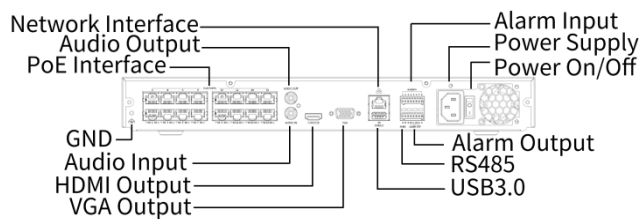


## Rear Panel

[NVR502-08B-P8]



[NVR502-16/32B-P16]



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