

# Network Video Recorder

## NVR502-B Series



## Features

- Support Ultra 265/H.265/H.264 video formats
- 9/16/32-channel input
- Support mainstream cameras of ONVIF conformance(Profile S, Profile G, Profile T ) and RTSP protocols
- 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

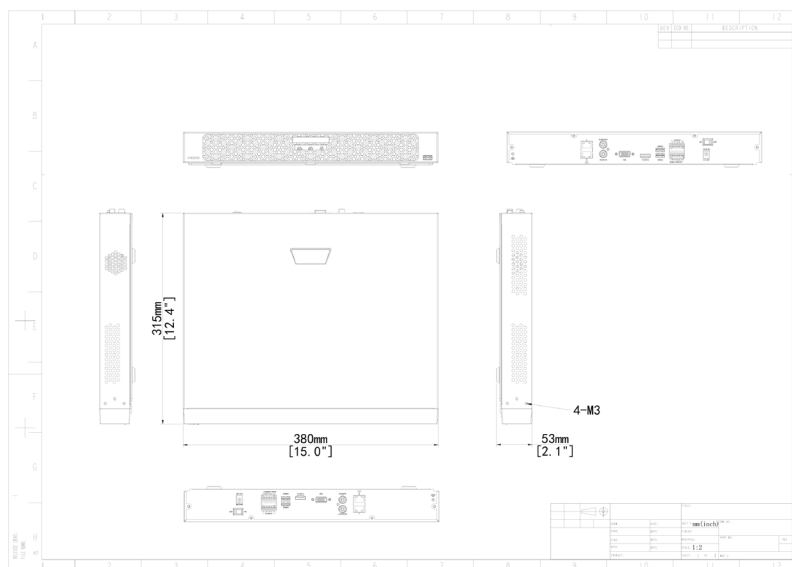
| Decoding            | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Decoding Format     | NVR502-09B/NVR502-16B:Ultra 265, H.265, H.264                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Decoding Capability | <p>NVR502-09B:Ultra 265/H.265: 2 x 16MP@30, 2 x 12MP@30, 4 x 4K@30, 6 x 5MP@30, 8 x 4MP@30, 9 x 3MP@30</p> <p>H.264: 2 x 16MP(4800*2688)@30, 2 x 12MP@30, 2 x 4K@30, 4 x 5MP@30, 6 x 4MP@30, 8 x 3MP@30, 9 x 1080P@30</p> <p>NVR502-16B:Ultra 265/H.265: 2 x 16MP@30, 2 x 12MP@30, 4 x 4K@30, 6 x 5MP@30, 8 x 4MP@30, 10 x 3MP@30, 16 x 1080P@30</p> <p>H.264: 2 x 16MP(4800*2688)@30, 2 x 12MP@30, 2 x 4K@30, 4 x 5MP@30, 6 x 4MP@30, 8 x 3MP@30, 14 x 1080P@30, 16 x 720P@30</p> |

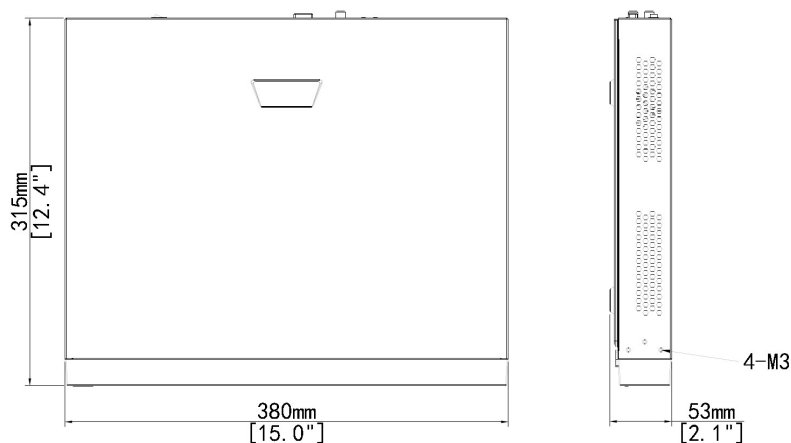
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|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Audio Compression             | NVR502-09B/NVR502-16B:G.711A, G.711U                                                                                                       |
| Network                       | Description                                                                                                                                |
| Incoming Bandwidth            | NVR502-09B/NVR502-16B:320Mbps                                                                                                              |
| Outgoing Bandwidth            | NVR502-09B/NVR502-16B:160Mbps                                                                                                              |
| Remote Users                  | NVR502-09B/NVR502-16B:128                                                                                                                  |
| Protocols                     | NVR502-09B/NVR502-16B:TCP/IP; P2P; UPnP; NTP; DHCP; PPPoE; HTTP; HTTPS; DNS; DDNS; SNMP; SMTP; RTSP; IPv6; IPv4                            |
| Browser(Plugin)               | NVR502-09B/NVR502-16B:Windows: IE (IE10/ 11), Firefox (version 52.0 and above), Chrome (version 45 and above), Edge (version 79 and above) |
| Video/Audio Input             | Description                                                                                                                                |
| IP Video Input                | NVR502-09B:9-ch<br>NVR502-16B:16-ch                                                                                                        |
| RCA Audio Input               | NVR502-09B/NVR502-16B:1-ch                                                                                                                 |
| Video/Audio Output            | Description                                                                                                                                |
| HDMI Output                   | NVR502-09B/NVR502-16B:4K(3840x2160)/30Hz, 1920x1080/60Hz, 1920x1080/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz     |
| VGA Output                    | NVR502-09B/NVR502-16B:1920x1080/60Hz, 1920x1080/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz                         |
| RCA Audio Output              | NVR502-09B/NVR502-16B:1-ch                                                                                                                 |
| Liveview Display              | NVR502-09B:1/4/6/8/9<br>NVR502-16B:1/4/6/8/9/16                                                                                            |
| Corridor Mode Screen          | NVR502-09B:3/4/5/7/9<br>NVR502-16B:3/4/5/7/9/10/12/16                                                                                      |
| Two-way Audio                 | Description                                                                                                                                |
| Two-way Audio                 | NVR502-09B/NVR502-16B:1-ch, RCA (Using the audio input and output)                                                                         |
| Snapshot                      | Description                                                                                                                                |
| FTP/Schedule/Event Snapshot   | NVR502-09B/NVR502-16B:4-ch snapshot, up to D1 resolution                                                                                   |
| Recording                     | Description                                                                                                                                |
| Recording Resolution          | NVR502-09B/NVR502-16B:16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/960P/720P/D1/2 CIF/CIF                                                           |
| Synchronous Playback in Local | NVR502-09B:9-ch<br>NVR502-16B:16-ch                                                                                                        |
| Smart                         | Description                                                                                                                                |

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| VCA Detection by IPC | NVR502-09B/NVR502-16B:Face Detection; Face Comparison; Vehicle Detection; 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                                             |
| VCA Search           | NVR502-09B/NVR502-16B:Face Snapshot Search; Face Comparison Search; Motor Vehicle Search; Non-Motor Vehicle Search; Human Body Search; General Search; People Counting Report; Heat Map                                                                                                                                                                                                                                                         |
| Smart by IPC         | NVR502-09B/NVR502-16B:All channels (up to 8 images/s in total)Face Detection, Face Comparison, Vehicle Detection, Temperature Detection, SIP, UMD, Video Metadata, Traffic Monitoring                                                                                                                                                                                                                                                           |
| Alarm                | Description                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| General Alarm        | NVR502-09B/NVR502-16B: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          | NVR502-09B/NVR502-16B:IP Conflict; Network Disconnected; Disk Offline; Disk Abnormal; Illegal Access; Hard Disk Space Low; Hard Disk Full; Recording/Snapshot Abnormal                                                                                                                                                                                                                                                                          |
| GUI Language         | Description                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| GUI Language         | NVR502-09B/NVR502-16B: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            | Description                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| SATA                 | NVR502-09B/NVR502-16B:2 SATA Interfaces                                                                                                                                                                                                                                                                                                                                                                                                         |
| Capacity             | NVR502-09B/NVR502-16B:Up to 16TB for each HDD (The maximum HDD capacity varies with environment temperature)                                                                                                                                                                                                                                                                                                                                    |
| Disk Group           | NVR502-09B/NVR502-16B:Support                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Redundant Storage    | NVR502-09B/NVR502-16B:Support                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Disk Array Type      | NVR502-09B/NVR502-16B:RAID 1                                                                                                                                                                                                                                                                                                                                                                                                                    |
| External Interface   | Description                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Network Interface    | NVR502-09B/NVR502-16B:2 RJ45 10M/100M/1000M self-adaptive Ethernet Interface                                                                                                                                                                                                                                                                                                                                                                    |
| USB                  | NVR502-09B/NVR502-16B:Front: 1 x USB2.0; Rear panel: 1 x USB2.0, 1 x USB3.0                                                                                                                                                                                                                                                                                                                                                                     |
| RS485                | NVR502-09B/NVR502-16B:1                                                                                                                                                                                                                                                                                                                                                                                                                         |
| RS232                | NVR502-09B/NVR502-16B:N/A                                                                                                                                                                                                                                                                                                                                                                                                                       |

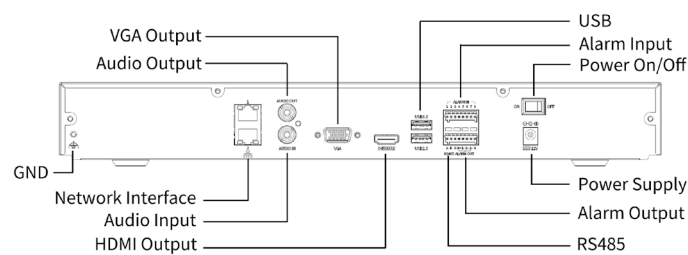
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|----------------------------------|--------------------------------------------------------------------------|
| Alarm In                         | NVR502-09B/NVR502-16B:8-ch                                               |
| Alarm Out                        | NVR502-09B/NVR502-16B:2-ch                                               |
| Power Supply                     | NVR502-09B/NVR502-16B:DC 12V/3A                                          |
| Power Switch                     | NVR502-09B/NVR502-16B:Support                                            |
| Working Environment              | Description                                                              |
| Working Temperature              | NVR502-09B/NVR502-16B:-10 °C ~ 55 °C (14 °F ~ 131 °F)                    |
| Working Humidity                 | NVR502-09B/NVR502-16B:≤ 90% RH (non-condensing)                          |
| Power Consumption (without HD D) | NVR502-09B/NVR502-16B:≤ 20W                                              |
| Dimensions                       | Description                                                              |
| Weight (without HDD)             | NVR502-09B/NVR502-16B:≤ 2Kg (4.40lb)                                     |
| Dimensions                       | NVR502-09B/NVR502-16B:380mm × 315mm × 53mm (15.0"×12.4"×2.1")            |
| Certification                    | Description                                                              |
| Certification                    | NVR502-09B/NVR502-16B:CE; FCC; UL; RoHS; WEEE                            |
| CE                               | NVR502-09B/NVR502-16B:EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 55035 |
| FCC                              | NVR502-09B/NVR502-16B:Part15 Subpart B                                   |

## Dimensions





## Rear Panel



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