



# TECHNICAL PRODUCT SHEET

## TDNVR32P16-M-AI

### Network Video Recorder



### Features

- Support Ultra 265/H.265/H.264 video formats
- 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

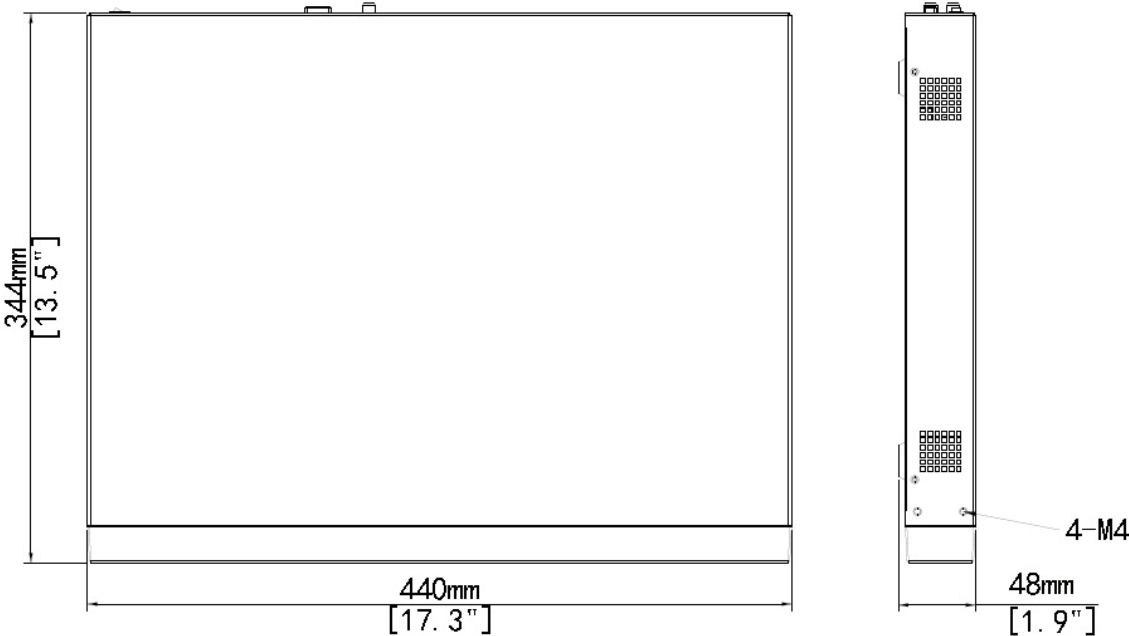
## Technical Specification

| Decoding                      | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Decoding Format               | Ultra 265, H.265, H.264                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Decoding Capability           | <p>NVR504-16B: 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<br/> 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> <p>NVR504-32B: 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, 32 x 960P@25<br/> 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, 30 x 720P@30, 32 x D1</p> |
| Audio Compression             | G.711A, G.711U                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Network                       | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Incoming Bandwidth            | 320Mbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Outgoing Bandwidth            | 160Mbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Remote Users                  | 128                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Protocols                     | TCP/IP;P2P;UPnP;NTP;DHCP;PPPoE;HTTP;HTTPS;DNS;DDNS;SNMP;SMTP;RTSP;802.1x;IPV6                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Browser(Plugin)               | 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                | <p>NVR504-16B:16-ch</p> <p>NVR504-32B:32-ch</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| RCA Audio Input               | 1-ch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Video/Audio Output            | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| HDMI Output                   | HDMI:4K(3840x2160)/30Hz, 1920x1080/60Hz, 1920x1080/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz                                                                                                                                                                                                                                                                                                                                                                                                                  |
| VGA Output                    | VGA:1920x1080/60Hz, 1920x1080/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| RCA Audio Output              | 1-ch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Liveview Display              | <p>NVR504-16B:1/4/6/8/9/16</p> <p>NVR504-32B:1/4/6/8/9/16/25/32</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Corridor Mode Screen          | <p>NVR504-16B:3/4/5/7/9/10/12/16</p> <p>NVR504-32B:3/4/5/7/9/10/12/16/32</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Two-way Audio                 | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Two-way Audio                 | 1-ch, RCA(Using the audio input and output)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Snapshot                      | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| FTP/Schedule/Event Snapshot   | 4-ch snapshot, up to D1 resolution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Recording                     | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Recording Resolution          | 16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/960P/720P/D1/2CIF/CIF                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Synchronous Playback in Local | 16-ch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

| Smart                            | Description                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| VCA Detection by IPC             | Face Detection;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                       | Motor Vehicle Search;Non-Motor Vehicle Search;Human Body Search;General Search;People Counting Report;Heat Map                                                                                                                                                                                                                                                                                                            |
| Smart by IPC                     | All channels (up to 8 images/s in total)Face Detection, Vehicle Detection, Temperature Detection, SIP, UMD, Video Metadata, Traffic Monitoring                                                                                                                                                                                                                                                                            |
| Alarm                            | Description                                                                                                                                                                                                                                                                                                                                                                                                               |
| 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                     | Description                                                                                                                                                                                                                                                                                                                                                                                                               |
| 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                        | Description                                                                                                                                                                                                                                                                                                                                                                                                               |
| SATA                             | 4 SATA Interfaces                                                                                                                                                                                                                                                                                                                                                                                                         |
| Capacity                         | Up to 16TB for each HDD(The maximum HDD capacity varies with environment temperature)                                                                                                                                                                                                                                                                                                                                     |
| Disk Group                       | Support                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Redundant Storage                | Support                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Disk Array Type                  | RAID 1, 5                                                                                                                                                                                                                                                                                                                                                                                                                 |
| External Interface               | Description                                                                                                                                                                                                                                                                                                                                                                                                               |
| Network Interface                | 2 RJ45 10M/100M/1000M self-adaptive Ethernet Interface                                                                                                                                                                                                                                                                                                                                                                    |
| USB                              | Front: 1 x USB2.0;Rear panel: 1 x USB2.0, 1 x USB3.0                                                                                                                                                                                                                                                                                                                                                                      |
| RS485                            | 1                                                                                                                                                                                                                                                                                                                                                                                                                         |
| RS232                            | N/A                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Alarm In                         | 16-ch                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Alarm Out                        | 4-ch                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Power Supply                     | DC 12V/5A                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Power Switch                     | Support                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Working Environment              | Description                                                                                                                                                                                                                                                                                                                                                                                                               |
| Working Temperature              | -10 ° C ~ 55 ° C (14 ° F ~ 131 ° F)                                                                                                                                                                                                                                                                                                                                                                                       |
| Working Humidity                 | ≤ 90% RH (non-condensing)                                                                                                                                                                                                                                                                                                                                                                                                 |
| Power Consumption (without HD D) | ≤ 20W                                                                                                                                                                                                                                                                                                                                                                                                                     |

| Dimensions           | Description                                                                                                    |
|----------------------|----------------------------------------------------------------------------------------------------------------|
| Weight (without HDD) | ≤ 3.4Kg (7.50lb)                                                                                               |
| Dimensions           | NVR504-16B:440mm × 344mm × 48mm(17.3"× 13.5"× 1.9")<br>NVR504-32B:440mm × 344mm × 48mm<br>(17.3"× 13.5"× 1.9") |
| Certification        | Description                                                                                                    |
| 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



Rear Panel

