

## Network Video Recorder NVR516 Series



## Features

- Support Ultra 265/H.265/H.264 video formats
- 64/128-channel input
- Support 2-ch HDMI, 1-ch VGA, HDMI at up to 4K(3840x2160) resolution
- HDMI1, HDMI2 and VGA independent outputs provided
- Up to 12 Megapixels resolution recording
- Redundant power supply optional
- Support HDD hot swap with RAID 0, 1, 5, 6, 10, 50, 60 storage scheme configurable
- Support 2 miniSAS Interfaces
- Support 12V power output
- ANR technology to enhance the storage reliability when the network is disconnected
- Support cloud upgrade
- Support N+1 Hot spare

## Specifications

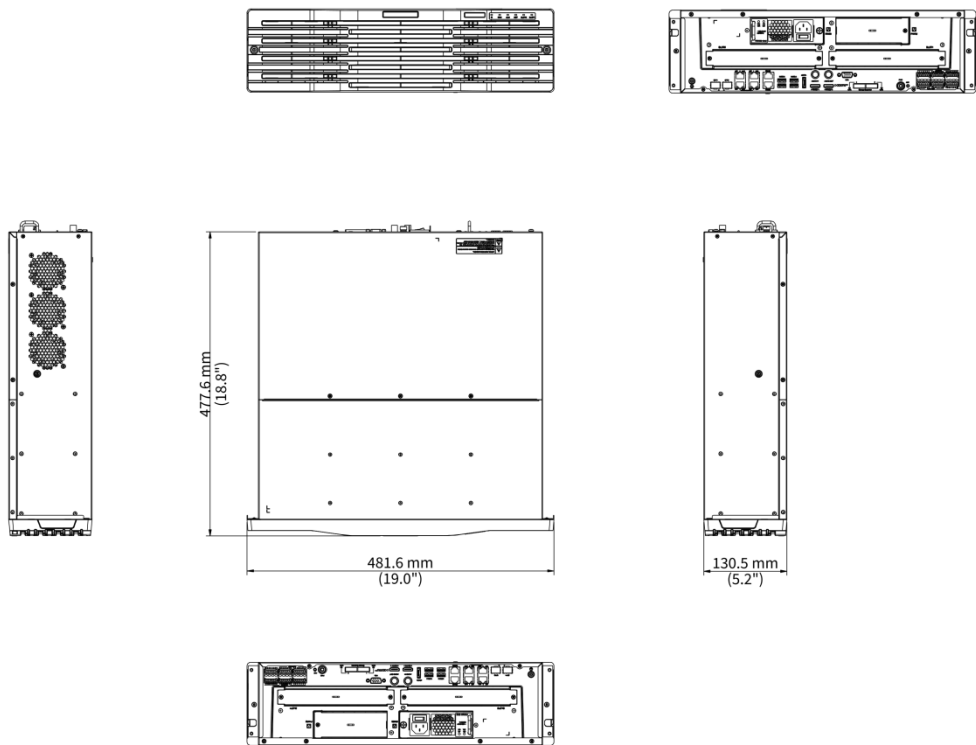
| Model                           | NVR516-64                                                                                                                                                                                                     | NVR516-128 |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| Decoding                        |                                                                                                                                                                                                               |            |
| Decoding Format                 | Ultra 265, H.265, H.264                                                                                                                                                                                       |            |
| Decoding Capability             | Smart off:<br>H265/H264: 2 x 16MP@30, 2 x 12MP@30, 4 x 4K@30, 8 x 4MP@30, 10 x 3MP@30, 16 x 1080P@30, 32 x 720P@30, 64 x D1<br>Smart on:<br>When Smart by NVR on, the decoding capacity is same as Smart off. |            |
| Decoding Capability Description | The resolution of each channel cannot exceed 4096 pixels in length or width                                                                                                                                   |            |
| Audio Compression               | G.711A, G.711U                                                                                                                                                                                                |            |
| Network                         |                                                                                                                                                                                                               |            |
| Incoming Bandwidth              | 384 Mbps                                                                                                                                                                                                      | 512 Mbps   |
| Outgoing Bandwidth              | 384 Mbps                                                                                                                                                                                                      |            |
| Max Remote Users                | 128                                                                                                                                                                                                           |            |
| Protocols                       | TCP/IP, P2P, UPnP, NTP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, SNMP, SMTP, NFS, RTSP, 802.1x, IPv6, IPv4                                                                                                        |            |
| Browser (Plugin)                | IE10, IE11, Chrome 45+, Edge 79+, Firefox 52+                                                                                                                                                                 |            |
| Video/Audio Input               |                                                                                                                                                                                                               |            |
| IP Video Input                  | 64-ch                                                                                                                                                                                                         | 128-ch     |
| BNC 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 (HDMI audio output is not supported)                                   |            |
| 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                                                                                                |            |
| BNC Audio Output                | 1-ch                                                                                                                                                                                                          |            |
| Liveview Display                | VGA:1/4/6/8/9/16/25/36,<br>HDMI1/HDMI2:1/4/6/8/9/16/25/36/64                                                                                                                                                  |            |
| Corridor Mode Screen            | 3/4/5/7/9/10/12/16/32                                                                                                                                                                                         |            |
| Two-way Audio                   |                                                                                                                                                                                                               |            |
| Two-way Audio                   | 1-ch, BNC(Using the audio input and output)                                                                                                                                                                   |            |
| Snapshot                        |                                                                                                                                                                                                               |            |
| FTP/Schedule/Event Snapshot     | Full-ch snapshot (max. 4000 × 3000 video resolution, with snapshot resolution same as the video resolution)                                                                                                   |            |
| Recording                       |                                                                                                                                                                                                               |            |
| Recording Resolution            | 12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080P/960P/720P/D1/2CIF/CIF                                                                                                                                                    |            |
| Synchronous Playback in Local   | 16-ch                                                                                                                                                                                                         |            |
| Smart Function                  |                                                                                                                                                                                                               |            |
| VCA Detection by IPC            | 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 |
| Smart by IPC                    | All channels (up to 32 images/s in total)Face Detection, Face Comparison, Vehicle Detection, 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                                                                                                                              |
| <b>Alarm</b>                    |                                                                                                                                                                                                                                                                                      |
| 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, High CPU Temperature, High Motherboard Temperature, Array Damaged, Array Degraded                                                  |
| <b>Hard Disk</b>                |                                                                                                                                                                                                                                                                                      |
| SATA                            | 16 SATA Interfaces                                                                                                                                                                                                                                                                   |
| Capacity                        | Up to 16 TB for each HDD (The maximum HDD capacity varies with environment temperature)                                                                                                                                                                                              |
| Disk Array Type                 | RAID 0, 1, 5, 6, 10, 50, 60                                                                                                                                                                                                                                                          |
| Hot Swap                        | Support                                                                                                                                                                                                                                                                              |
| <b>External Interface</b>       |                                                                                                                                                                                                                                                                                      |
| Network Interface               | 4 RJ45 10 M/100 M/1000 M self-adaptive Ethernet Interface, 2 1000 M SFP Ethernet Interface                                                                                                                                                                                           |
| USB                             | Rear panel: 4 × USB3.0                                                                                                                                                                                                                                                               |
| RS485                           | 1                                                                                                                                                                                                                                                                                    |
| RS232                           | 1                                                                                                                                                                                                                                                                                    |
| Alarm In                        | 24-ch                                                                                                                                                                                                                                                                                |
| Alarm Out                       | 8-ch                                                                                                                                                                                                                                                                                 |
| eSATA                           | 1                                                                                                                                                                                                                                                                                    |
| miniSAS                         | 2                                                                                                                                                                                                                                                                                    |
| Power Output                    | 12 V                                                                                                                                                                                                                                                                                 |
| Power Supply                    | AC 100 to 240 V                                                                                                                                                                                                                                                                      |
| Power Switch                    | Support                                                                                                                                                                                                                                                                              |
| Redundant Power Supply          | Support                                                                                                                                                                                                                                                                              |
| <b>Working Environment</b>      |                                                                                                                                                                                                                                                                                      |
| Working Temperature             | -10 °C to 55 °C (14 °F to 131 °F)                                                                                                                                                                                                                                                    |
| Working Humidity                | ≤ 90% RH (non-condensing)                                                                                                                                                                                                                                                            |
| Power Consumption (without HDD) | ≤ 50W                                                                                                                                                                                                                                                                                |
| <b>Dimensions</b>               |                                                                                                                                                                                                                                                                                      |
| Weight (without HDD)            | ≤ 10Kg (22.05lb)                                                                                                                                                                                                                                                                     |
| Dimensions                      | 482mm × 477mm × 131mm (19.0"×18.8"×5.2")                                                                                                                                                                                                                                             |
| <b>GUI Language</b>             |                                                                                                                                                                                                                                                                                      |
| 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 |
| 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

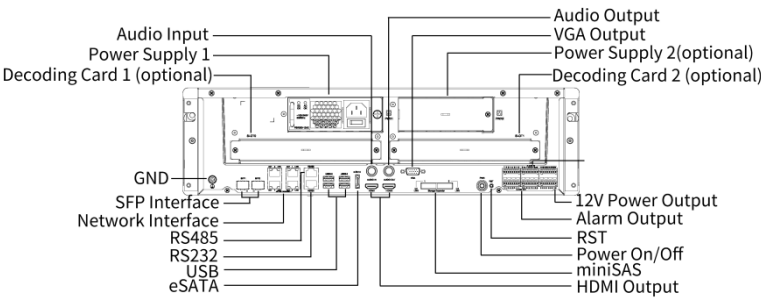
Aggregate product size diagram using NVR516-64 as an example



## Accessories

| DEU1016-B<br>16 HDDs 3U Disk Enclosure | SL-A<br>Slide Rail | PWR-300A-IN<br>UNV 300W AC Power Module |
|----------------------------------------|--------------------|-----------------------------------------|
|                                        |                    |                                         |

# Rear Panel



# Unlimited New View

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