

# Network Video Recorder

## NVR516 Series



## Key Features

- Support Ultra 265/H.265/H.264 video formats
- 64/128-channel input
- Third-party IP cameras supported with ONVIF conformance: Profile S, Profile G, Profile C, Profile Q, Profile A, Profile T
- 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
- 2 decoding cards optional, up to 12-ch HDMI
- Support HDD hot swap with RAID 0, 1, 5, 6, 10, 50, 60 storage scheme configurable
- 16 SATA HDDs, up to 16TB for each HDD
- 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 |
|---|---|------------|
| <b>Video/Audio Input</b>  |   |            |
| IP Video Input  | 64-ch   | 128-ch     |
| Two-way Audio Input   | 1-ch, BNC   |            |
| <b>Network</b>  |   |            |
| Incoming Bandwidth  | 384Mbps   | 512Mbps    |
| Outgoing Bandwidth  | 384Mbps   |            |
| Remote Users  | 128   |            |
| Protocols   | P2P, UPnP, NTP, DHCP, PPPoE   |            |
| <b>Video/Audio Output</b>   |   |            |
| HDMI/VGA Output   | VGA:<br>1920x1080p/60Hz, 1920x1080p/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz,<br>1024x768/60Hz<br>HDMI1/HDMI2 (HDMI audio output is not supported):<br>4K (3840x2160)/30Hz, 1920x1080p/60Hz, 1920x1080p/50Hz, 1600x1200/60Hz, 1280x1024/60Hz,<br>1280x720/60Hz, 1024x768/60Hz  |            |
| Recording Resolution  | 12MP/8MP/6MP/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/CIF  |            |
| Audio Output  | 1-ch, BNC   |            |
| Synchronous Playback  | 16-ch   |            |
| Corridor Mode Screen  | 3/4/5/7/9/10/12/16/32   |            |
| <b>Decoding</b>   |   |            |
| Decoding format   | Ultra 265, H.265, H.264   |            |
| Live view/Playback  | 12MP/8MP/6MP/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/CIF  |            |
| Capability  | 4 x 12MP@20, 4 x 4K@30, 16 x 1080p@30, 36 x 720p@30, 64 x D1  |            |
| <b>Hard Disk</b>  |   |            |
| SATA  | 16 SATA interfaces  |            |
| Capacity  | Up to 16TB for each HDD<br>(The maximum HDD capacity varies with environment temperature)   |            |
| eSATA   | 1 eSATA interface   |            |
| miniSAS   | 2 miniSAS ports   |            |
| <b>Smart</b>  |   |            |
| VCA Detection by Camera   | Intrusion Detection, Cross Line Detection, Enter Area, Leave Area, Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking, Temperature Detection(Fire Detection, Smoking Detection, Temperature Measurement, Smoke and Fire Detection), Ultra Motion Detection(UMD), Video Metadata, Traffic Monitoring |            |
| VCA Search  | Motor Vehicle Search, Non-Motor Vehicle Search, Human Body Search, General Search, People Counting Report   |            |
| People Counting   | People Flow Counting, Crowd Density Monitoring  |            |
| Smart Intrusion Prevention (SIP), Vehicle Detection, Temperature Detection, UMD, Video Metadata, Traffic Monitoring by Camera | Total 64-ch   |            |
| <b>Disk Array</b>   |   |            |
| Array Type  | RAID 0/1/5/6/10/50/60   |            |

**External Interface**

|                          |  |
|--------------------------|--|
| Network Interface        | 4 RJ-45 10M/100M/1000M adaptive Ethernet Interface<br>2 1000M SFP Ethernet Interface |
| Serial Interface         | 1 x RS232, 1 x RS485   |
| USB Interface            | Rear panel: 4 x USB3.0   |
| Alarm In                 | 24-ch  |
| Alarm Out                | 8-ch   |
| Decoding Card (optional) | 2 slots (4-ch HDMI or 6-ch HDMI outputs per card)                                    |
| Power Output             | 12V  |

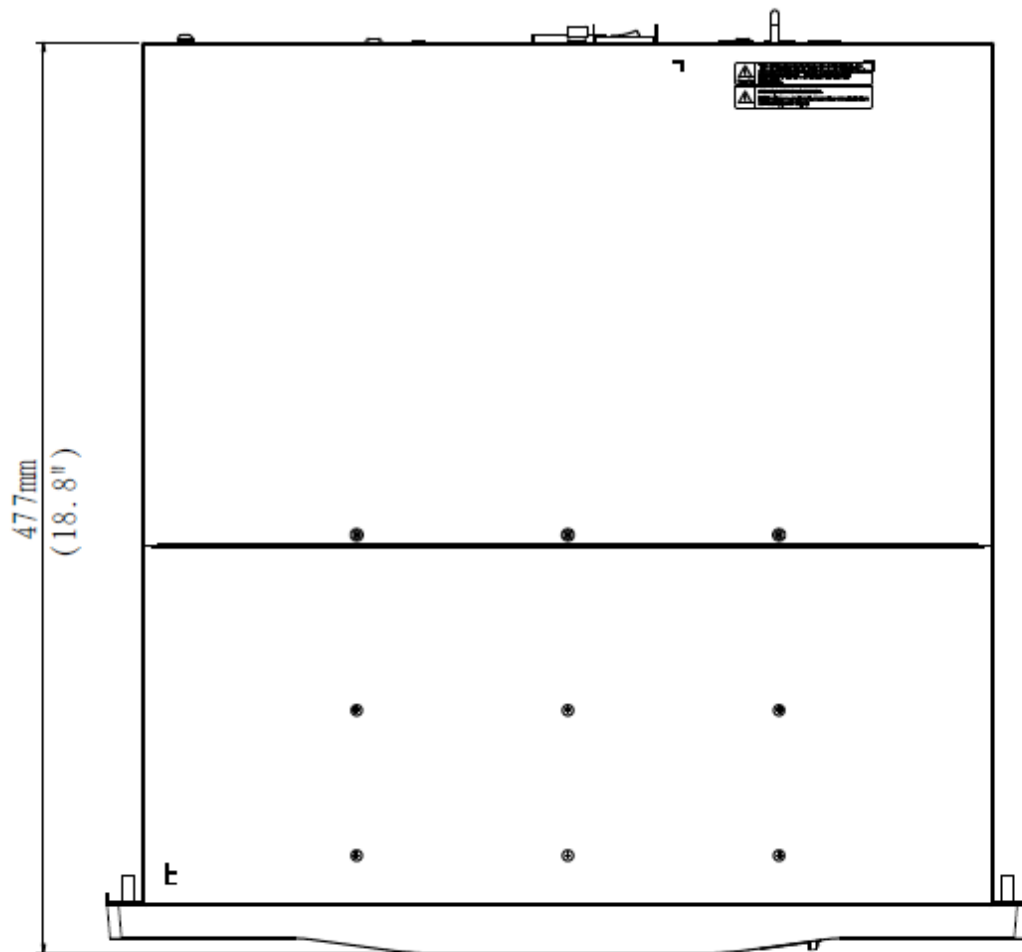
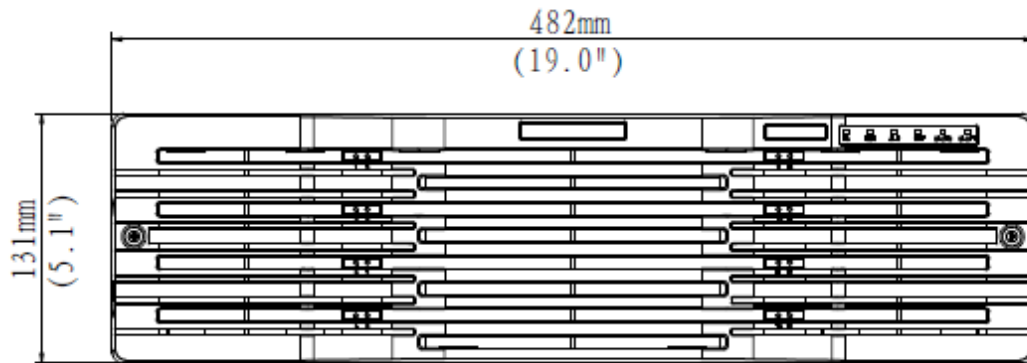
**General**

|                      |   |
|----------------------|---|
| Power Supply         | 100 ~ 240V AC<br>Power Consumption: ≤ 50 W (without HDD)            |
| Working Environment  | -10°C ~ + 55°C (+14°F ~ +131°F), Humidity ≤ 90% RH (non-condensing) |
| Chassis              | 19-inch rack-mounted 3U chassis                                     |
| Dimensions           | 482mm x 477mm x 131mm (18.8" x 19.0" x 5.1")                        |
| Weight (without HDD) | ≤ 10 Kg (22.05 lb)  |

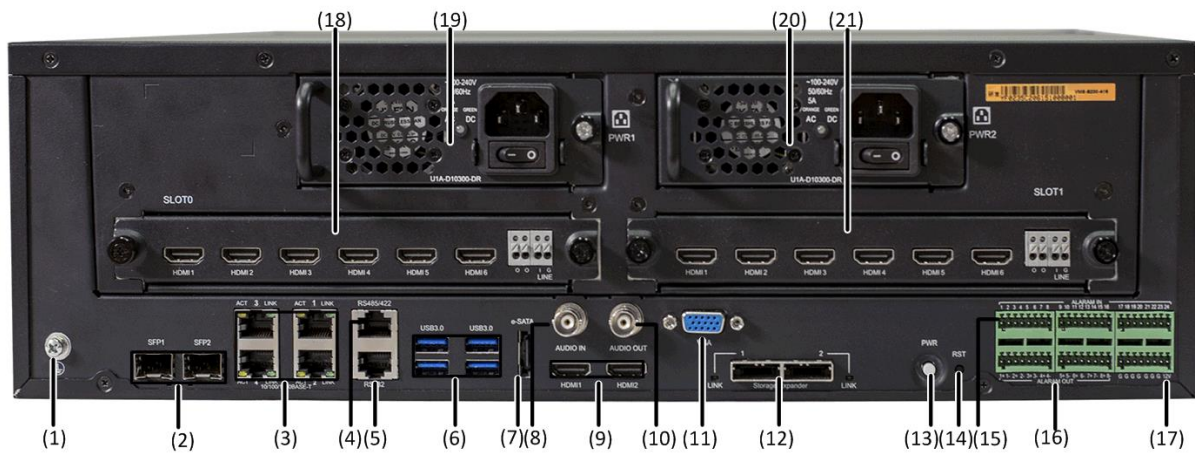
**Certification**

|               |  |
|---------------|--|
| Certification | CE, FCC, UL, RoHS, WEEE  |
| CE            | EN 55032: 2015, EN 61000-3-3: 2013, EN IEC 61000-3-2: 2019, EN 55035: 2017 |
| FCC           | Part15 Subpart B, ANSI C63.4   |

Dimensions



## Rear Panel



NVR516

|                     |                               |                                 |
|---------------------|-------------------------------|---------------------------------|
| (1) GND             | (2) SFP Interface             | (3) Adaptive Interface          |
| (4) RS485           | (5) RS232                     | (6) USB                         |
| (7) eSATA           | (8) Audio Input               | (9) HDMI Output                 |
| (10) Audio Output   | (11) VGA Output               | (12) miniSAS                    |
| (13) Power Button   | (14) RST                      | (15) Alarm Input                |
| (16) Alarm Output   | (17) 12V DC Output            | (18) Decoding Card 1 (optional) |
| (19) Power Supply 1 | (20) Power Supply 2(optional) | (21) Decoding Card 2 (optional) |

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\* Product specifications and availability are subject to change without notice.