

# Network Video Recorder

## NVR516-E-R Series



## Features

- Support Ultra 265/H.265/H.264 video formats
- 64/128-channel input
- Support mainstream cameras of ONVIF conformance(Profile S, Profile G, Profile T ) and RTSP protocols
- Support 2-ch HDMI, 2-ch VGA, HDMI1 at up to 8K(7680x4320) resolution, HDMI2 at up to 4K(3840x2160) resolution
- VGA1 and HDMI1 simultaneous output, VGA2 and HDMI2 simultaneous output. VGA1/HDMI1 and VGA2/HDMI2 independent output
- Up to 32 Megapixels resolution recording
- Redundant power supply optional
- 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 12V power output
- ANR technology to enhance the storage reliability when the network is disconnected
- Support cloud upgrade
- Support N+1 Hot spare

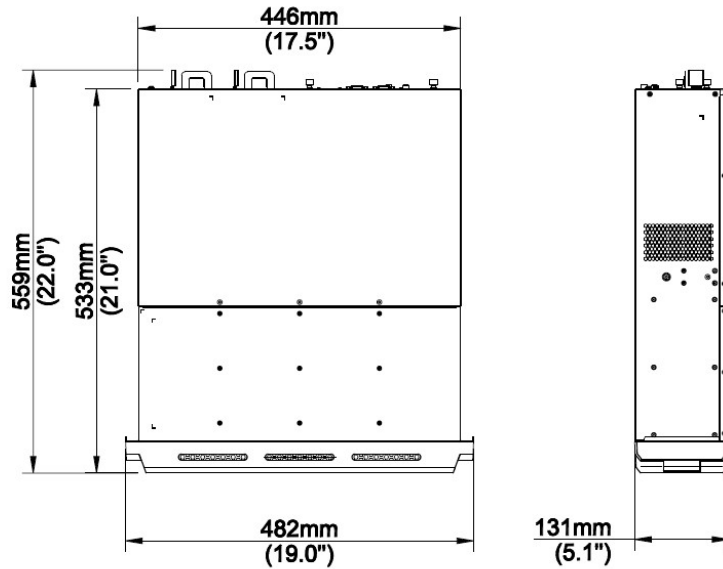
## Specifications

| Decoding                      | Description   |
|-------------------------------|---|
| Decoding Format               | Ultra 265,H.265,H.264   |
| Decoding Capability           | NVR516-64E-<br>R:2 x 32MP@30, 4 x 16MP@30, 5 x 12MP@30, 8 x 4K@30, 12 x 5MP@30, 16 x 4MP@30, 20 x 3MP@30, 32 x 1080P@30, 54 x 960P@30, 64 x 720P@30<br>NVR516-128E-<br>R:2 x 32MP@30, 4 x 16MP@30, 5 x 12MP@30, 8 x 4K@30, 12 x 5MP@30, 16 x 4MP@30, 20 x 3MP@30, 32 x 1080P@30, 54 x 960P@30, 64 x 720P@30, 128 x D1                             |
| Audio Compression             | G.711A,G.711U   |
| Network                       | Description   |
| Incoming Bandwidth            | 640Mbps   |
| Outgoing Bandwidth            | 640Mbps   |
| Remote Users                  | 128   |
| Protocols                     | TCP/IP,P2P,UPnP,NTP,DHCP,PPPoE,HTTP,HTTPS,DNS,DDNS,SNMP,SMTP,NFS,RTSP,802.1x,IPv6   |
| Browser(Plugin)               | IE(IE10/11)for Windows,Firefox(version 52.0 and above)for Windows,Chrome(version 45 and above)for Windows,Edge(version 79 and above)for Windows   |
| Video/Audio Input             | Description   |
| IP Video Input                | NVR516-64E-R:64-ch<br>NVR516-128E-R:128-ch  |
| RCA Audio Input               | 1-ch  |
| Video/Audio Output            | Description   |
| HDMI Output                   | HDMI1:8K(7680x4320)/60Hz,4K(3840x2160)/30Hz,1920x1080/60Hz,1920x1080/50Hz,1600x1200/60Hz,1280x1024/60Hz,1280x720/60Hz,1024x768/60Hz<br>HDMI2:4K(3840x2160)/30Hz,1920x1080/60Hz,1920x1080/50Hz,1600x1200/60Hz,1280x1024/60Hz,1280x720/60Hz,1024x768/60Hz   |
| VGA Output                    | VGA1/VGA2:1920x1080/60Hz,1920x1080/50Hz,1600x1200/60Hz,1280x1024/60Hz,1280x720/60Hz,1024x768/60Hz   |
| RCA Audio Output              | 2-ch  |
| Liveview Display              | 1/4/6/8/9/16/25/36/64   |
| Corridor Mode Screen          | 3/4/5/7/9/10/12/16/32   |
| Two-way Audio                 | Description   |
| Two-way Audio                 | 1-ch,RCA(Using the audio input and output)  |
| Snapshot                      | Description   |
| FTP/Schedule/Event Snapshot   | 16-ch snapshot,up to 1080P resolution   |
| Recording                     | Description   |
| Recording Resolution          | 32MP/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,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 M |

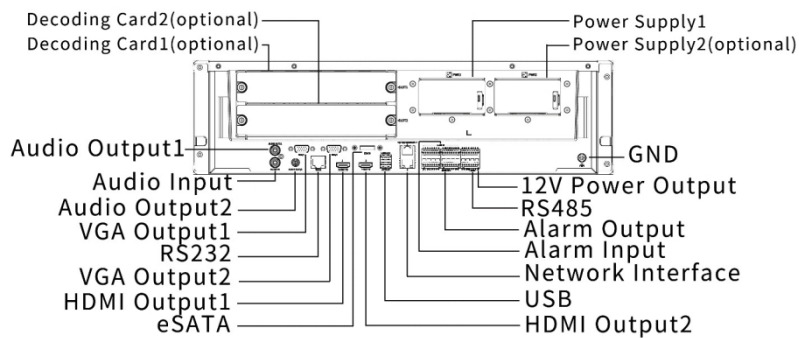
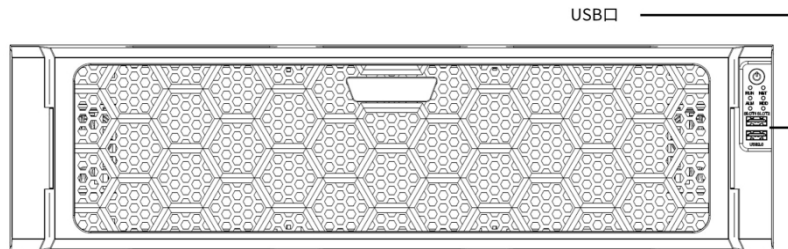
|                                 |  |
|---------------------------------|--|
|                                 | Monitoring   |
| VCA Search                      | Face Snapshot Search, Face Comparison Search, Motor Vehicle Search, Non-Motor Vehicle Search, Human Body Search, General Search, People Counting Report, Heat Map                        |
| Smart by IPC                    | Total 64-ch (Face Detection, Face Comparison, Vehicle Detection, Temperature Detection, SIP, UMD, Video Metadata, Traffic Monitoring)  |
| <b>Alarm</b>                    | <b>Description</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   |
| <b>Hard Disk</b>                | <b>Description</b>   |
| SATA                            | 16 SATA Interfaces   |
| Capacity                        | Up to 16TB for each HDD  |
| Disk Group                      | Support  |
| Redundant Storage               | Support  |
| Disk Array Type                 | RAID 0, 1, 5, 6, 10, 50, 60  |
| Hot Swap                        | Support  |
| <b>External Interface</b>       | <b>Description</b>   |
| Network Interface               | 2 RJ45 10M/100M/1000M self-adaptive Ethernet Interface   |
| USB                             | Front panel: 2 x USB2.0, Rear panel: 2 x USB3.0  |
| RS485                           | 1  |
| RS232                           | 1  |
| Alarm In                        | 16-ch  |
| Alarm Out                       | 10-ch  |
| eSATA                           | 1  |
| Power Output                    | 12V  |
| Power Supply                    | AC 100~240V  |
| Power Switch                    | Support  |
| Redundant Power Supply          | Support  |
| <b>Working Environment</b>      | <b>Description</b>   |
| Working Temperature             | -10° C ~ + 55° C (+14° F ~ +131° F)  |
| Working Humidity                | ≤ 90% RH (non-condensing)  |
| Power Consumption (without HDD) | ≤ 50W  |
| <b>Dimensions</b>               | <b>Description</b>   |
| Weight (without HDD)            | ≤ 6.5Kg (14.3lb)   |
| Height                          | 3U   |
| Dimensions                      | 482mm × 533mm × 131mm (19.0" × 21.0" × 5.1")   |
| <b>Certification</b>            | <b>Description</b>   |
| 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



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