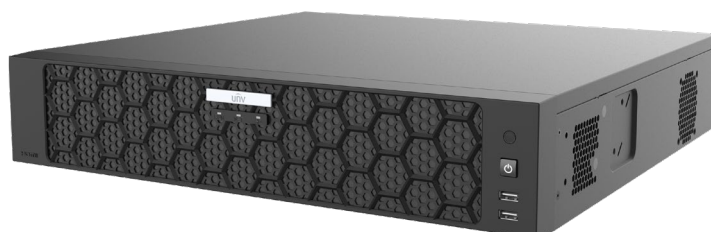


# Network Video Recorder

NVR504-16E-IQ-AL



## Features

- Support Ultra 265/H.265/H.264 video formats
- 16/32/64-channel input
- Support mainstream cameras of ONVIF conformance(Profile S, Profile G, Profile T) and RTSP protocols
- Support 2 HDMI and 2 VGA. VGA1 and HDMI1 simultaneous output, VGA2 and HDMI2 simultaneous output. VGA1/HDMI1 and VGA2/HDMI2 independent output
- ANR technology to enhance the storage reliability when the network is disconnected
- Support cloud upgrade

## Specifications

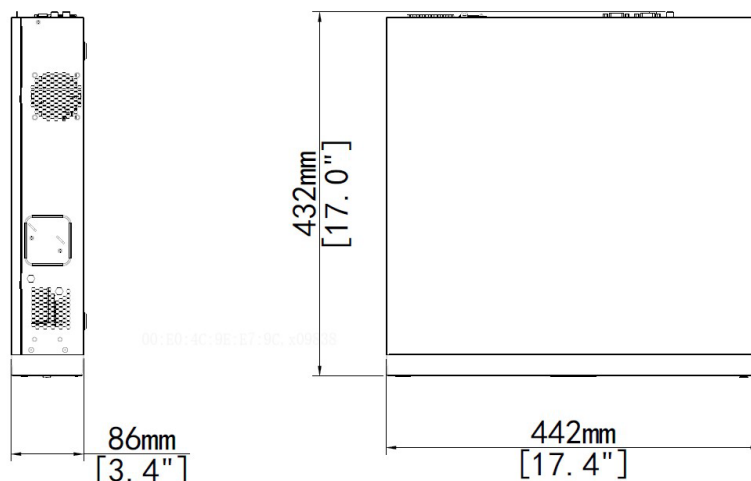
| Decoding            | Description   |
|---------------------|---|
| Decoding Format     | Ultra 265,H.265,H.264   |
| Decoding Capability | Smart Off: 2 x 32MP@30, 4 x 16MP@30, 5 x 12MP@30, 8 x 4K@30, 10 x 6MP@30, 12 x 5MP@30, 16 x 4MP@30,<br>Smart On: 1 x 32MP@30, 3 x 16MP@30, 4 x 12MP@30, 6 x 4K@30, 8 x 6MP@30, 9 x 5MP@30, 12 x 4MP@30, 16 x 3MP@30 |
| Audio Compression   | G.711A, G.711U, MP2L2, G.726  |
| Network             | Description   |
| Incoming Bandwidth  | Smart Off: 384Mbps  |

|                               |  |
|-------------------------------|--|
|                               | Smart On: 200Mbps  |
| Outgoing Bandwidth            | Smart Off: 384Mbps<br>Smart On: 200Mbps  |
| Remote Users                  | 128  |
| Protocols                     | TCP/IP; P2P; NTP; DHCP; PPPoE; HTTP; HTTPS; DNS; DDNS; SNMP; SMTP; NFS; RTSP; 802.1x; IPv6; IPv4   |
| 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                | 16-ch  |
| RCA Audio Input               | 1-ch   |
| Video/Audio Output            | Description  |
| HDMI Output                   | 4K(3840x2160)/60Hz, 4K(3840x2160)/30Hz, 1920x1080/60Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz   |
| VGA Output                    | 1920x1080/60Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz   |
| RCA Audio Output              | 2-ch   |
| Liveview Display              | 1/4/6/8/9/16   |
| Corridor Mode Screen          | 3/4/5/7/9/10/12/16   |
| 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   |
| Num of Concurrent Playback    | 32-ch  |
| Synchronous Playback in Local | 16-ch  |
| Smart                         | Description  |
| VCA Detection by IPC          | Face Detection; 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 |
| Smart by NVR                  | Face Detection; face detection; Smart Intrusion Prevention (SIP); Ultra Motion Detection (UMD)   |

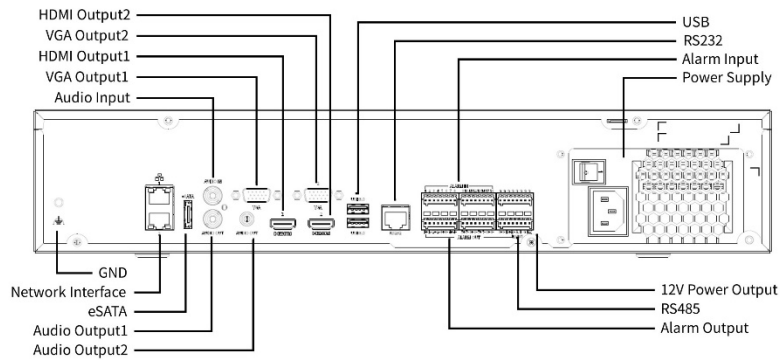
|                              |   |
|------------------------------|---|
| VCA Search                   | Motor Vehicle Search; Non-Motor Vehicle Search; Human Body Search; General Search; People Counting Report; Heat Map; SmartSearch+; AcuSearch  |
| Smart by IPC                 | All channels (up to 16 images/s in total)<br>Face Detection,face detection,Vehicle Detection,Temperature Detection,SIP,UMD,Video Metadata,Traffic Monitoring  |
| Search by Image              | Support   |
| Vehicle Picture Library      | Up to 5 vehicle picture libraries,with up to 25,000 vehicle pictures in total   |
| SIP by NVR                   | 8-ch  |
| UMD by NVR                   | 16-ch   |
| Capacity of Snapshot Records | 3 millions records for face snapshot; 2 millions records for vehicle snapshot; 2 millions records for SIP   |
| <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; Array Damaged; Array Degraded   |
| <b>GUI Language</b>          | <b>Description</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 |
| <b>Hard Disk</b>             | <b>Description</b>  |
| 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 0,1,5  |
| <b>External Interface</b>    | <b>Description</b>  |
| Network Interface            | 2 RJ45 10M/100M/1000M self-adaptive Ethernet Interface  |
| Network Working Mode         | Multi-access,load balance,network fault-tolerance   |
| 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  |
| <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)            | ≤ 5.5Kg (12.1lb)                                   |
| Height                          | 2U   |
| Dimensions                      | 442mm × 432mm × 86mm (17.4"×17.0"×3.4")            |
| <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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