

Network Video Recorder

NVR504-E-P-IQ Series



Features

- Support Ultra 265/H.265/H.264 video formats
- 16/32/64-channel input
- Plug & Play with 16/24 independent PoE network interfaces
- Support 2-ch HDMI, 2-ch VGA. HDMI up to 4K (3840x2160) resolution
- VGA and HDMI independent output
- Up to 32 Megapixels resolution recording
- ANR technology to enhance the storage reliability when the network is disconnected
- Support cloud upgrade

Specifications

| Model | NVR504-16E-P16-IQ | NVR504-32E-P24-IQ | NVR504-64E-P24-IQ |
|-----------------|-------------------------|-------------------|-------------------|
| Decoding | | | |
| Decoding Format | Ultra 265, H.265, H.264 | | |

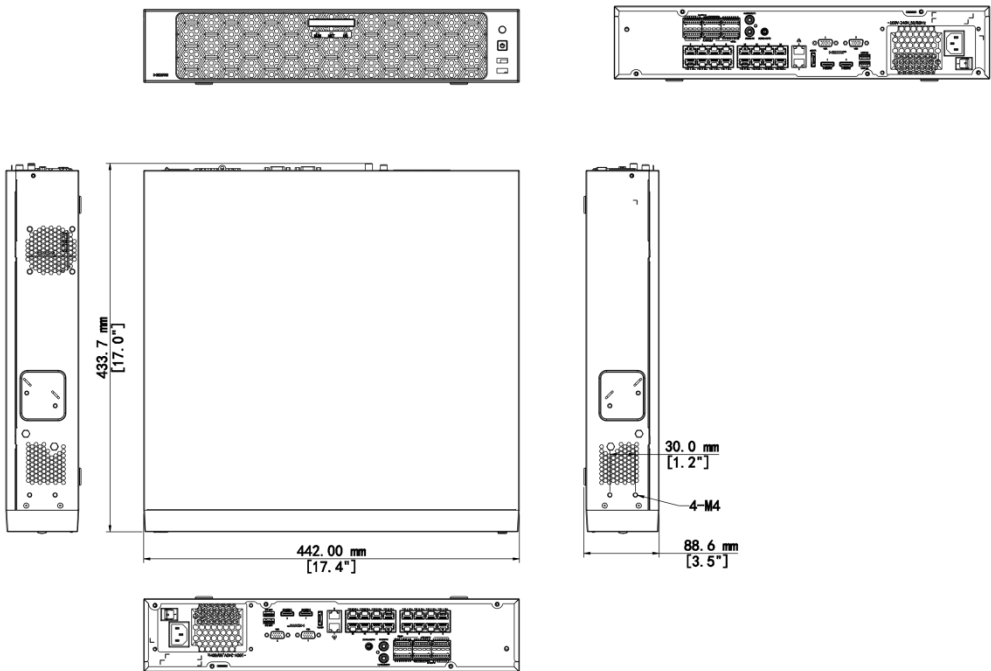
| | | | |
|---------------------------------|--|---|--|
| Decoding Capability | Smart Off: 2 x 32MP@30, 4 x 16MP@30, 5 x 12MP@30, 8 x 4K@30, 10 x 6MP@30, 12 x 5MP@30, 16 x 4MP@30Smart On: 1 x 32MP@30, 3 x 16MP@30, 4 x 12MP@30, 6 x 4K@30, 8 x 6MP@30, 9 x 5MP@30, 12 x 4MP@30, 16 x 3MP@30 | Smart Off: 2 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, 20 x 3MP@30, 32 x 1080P@30Smart On: 1 x 1080P@30Smart 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, 24 x 1080P@30, 32 x 720P@30 | 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, 20 x 3MP@30, 32 x 1080P@30, 64 x 720P@30Smart 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, 24 x 1080P@30, 48 x 720P@30, 64 x D1 |
| Decoding Capability Description | The resolution of each channel cannot exceed 8192 pixels in length or width | | |
| Audio Compression | G.711A, G.711U | | |
| Network | | | |
| Incoming Bandwidth | Smart Off: 384 Mbps, Smart On: 200 Mbps | | |
| Outgoing Bandwidth | Smart Off: 384 Mbps, Smart On: 200 Mbps | | |
| 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 | 16-ch | 32-ch | 64-ch |
| RCA Audio Input | 1-ch | | |
| Video/Audio Output | | | |
| Video Output | Support 2-ch HDMI, 2-ch VGA, HDMI1 and VGA1 simultaneous output, HDMI2 and VGA2 simultaneous output, HDMI1/VGA1 and HDMI2/VGA2 independent output | | |
| HDMI Output | 4K (3840 × 2160)/60 Hz, 4K (3840 × 2160)/30 Hz, 1920 × 1080/60 Hz, 1600 × 1200/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz | | |
| VGA Output | 1920 × 1080/60 Hz, 1600 × 1200/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz | | |
| RCA Audio Output | 2-ch | | |
| Liveview Display | 1/4/6/8/9/16 | HDMI1 and VGA1: 1/4/6/8/9/16/25/32;HDMI2 and VGA2: 1/4/6/8/9/16 | HDMI1 and VGA1: 1/4/6/8/9/16/25/36/64;HDMI2 and VGA2: 1/4/6/8/9/16 |
| Corridor Mode Screen | 3/4/5/7/9/10/12/16 | HDMI1 and VGA1: 3/4/5/7/9/10/12/16/32; HDMI2 and VGA2: 3/4/5/7/9/10/12/16 | HDMI1 and VGA1: 3/4/5/7/9/10/12/16/32; HDMI2 and VGA2: 3/4/5/7/9/10/12/16 |
| Two-way Audio | | | |
| Two-way Audio | 1-ch, RCA (Using the audio input and output) | | |
| Snapshot | | | |
| FTP/Schedule/Event Snapshot | 16-ch snapshot (max. 8 MP (3840 × 2160) video resolution, with 1080P snapshot resolution) | | |

| Recording | |
|------------------------------|---|
| Recording Resolution | 32 MP/16 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080P/960P/720P/D1/2CIF/CIF |
| Smart | |
| 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 NVR | Face Detection, Face Comparison, Smart Intrusion Prevention (SIP), Ultra Motion Detection (UMD), (At same channel, only one smart function by NVR can be enabled simultaneously.) |
| 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, SmartSearch+, AcuSearch |
| Smart by IPC | All channels (up to 16 images/s in total) Face Detection, Face Comparison, Vehicle Detection, Temperature Detection, SIP, UMD, Video Metadata, Traffic Monitoring |
| 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 |
| Alarm | |
| General Alarm | Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking, Motion Detection, Tampering, Human Body Detection, Video Loss, Audio Detection, Alarm Input |
| 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 |
| GUI Language | |
| 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 | |
| SATA | 4 SATA Interfaces |
| Capacity | Up to 16 TB for each HDD (The maximum HDD capacity varies with environment temperature and hard disk size) |
| Disk Group | Support |
| Redundant Storage | Support |
| Disk Array Type | RAID 0, 1, 5 |
| External Interface | |
| Network Interface | 2 RJ45 10 M/100 M/1000 M self-adaptive Ethernet Interface |
| USB | Front panel: 2 × USB2.0, Rear panel: 2 × USB3.0 |
| RS485 | 1 |
| RS232 | N/A |
| Alarm In | 16-ch |

| | | | |
|---------------------------------|---|---|---|
| Alarm Out | 10-ch | | |
| eSATA | 1 | | |
| Power Output | 12 V | | |
| Power Supply | AC 100 to 240 V | | |
| Power Switch | Support | | |
| PoE | | | |
| PoE Interface | 16 RJ45 10 M/100 M self-adaptive Ethernet Interface | 24 RJ45 10 M/100 M self-adaptive Ethernet Interface | 24 RJ45 10 M/100 M self-adaptive Ethernet Interface |
| Max Power | Max 30 W for single port, Max 150 W in total | Max 30 W for single port, Max 210 W in total | Max 30 W for single port, Max 210 W in total |
| Supported Standard | IEEE 802.3at, IEEE 802.3af | | |
| Working Environment | | | |
| Working Temperature | -10 °C to 55 °C (14 °F to 131 °F) | | |
| Working Humidity | ≤ 90% RH (non-condensing) | | |
| Power Consumption (without HDD) | ≤50W | | |
| Dimensions | | | |
| Weight (without HDD) | ≤5.5KG | | |
| Height | 2U | | |
| Dimensions | 442mm × 432.9mm × 88.6mm (17.4" ×17" ×3.5") | | |
| 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 NVR504-16E-P16-IQ as an example



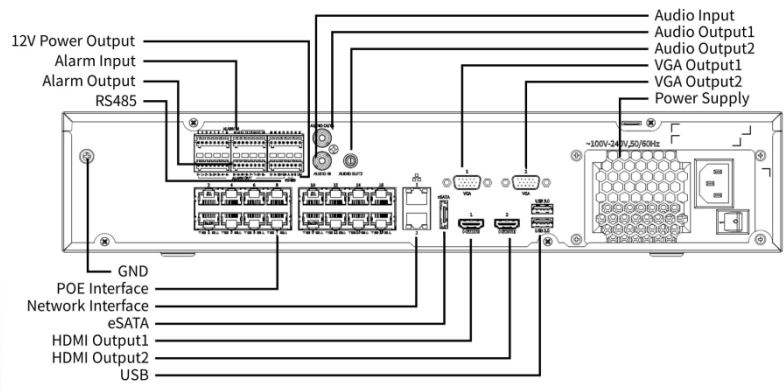
Accessories

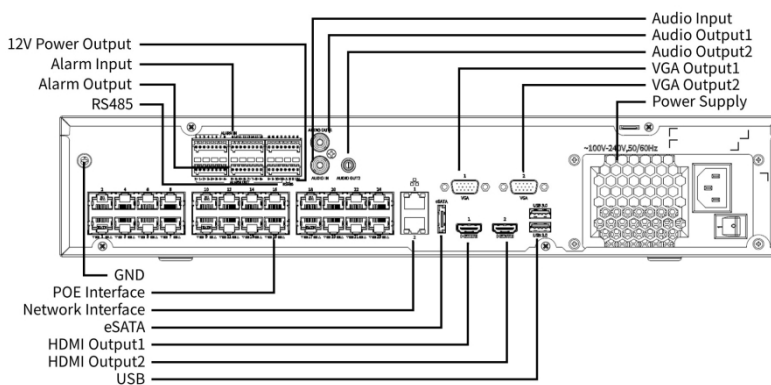
FL-2U

4 HDDs & 8 HDDs 2U NVR Rack Mount



Rear Panel





Zhejiang Uniview Technologies Co., Ltd.



<http://www.uniview.com>



overseasbusiness@uniview.com; globalsupport@uniview.com



No. 369, Xietong Road, Xixing Sub-district, Binjiang District, Hangzhou City, 310051, Zhejiang Province, China
(Zhejiang) Pilot Free Trade Zone, China



©2023-2025 Zhejiang Uniview Technologies Co., Ltd. All rights reserved.

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

*Despite our best efforts, technical or typographical errors may exist in this document.

Uniview cannot be held responsible for any such errors and reserves the right to change the contents of this document without prior notice.