

## Network Video Recorder

# NVR504-E-P-IQ Series



## Features

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

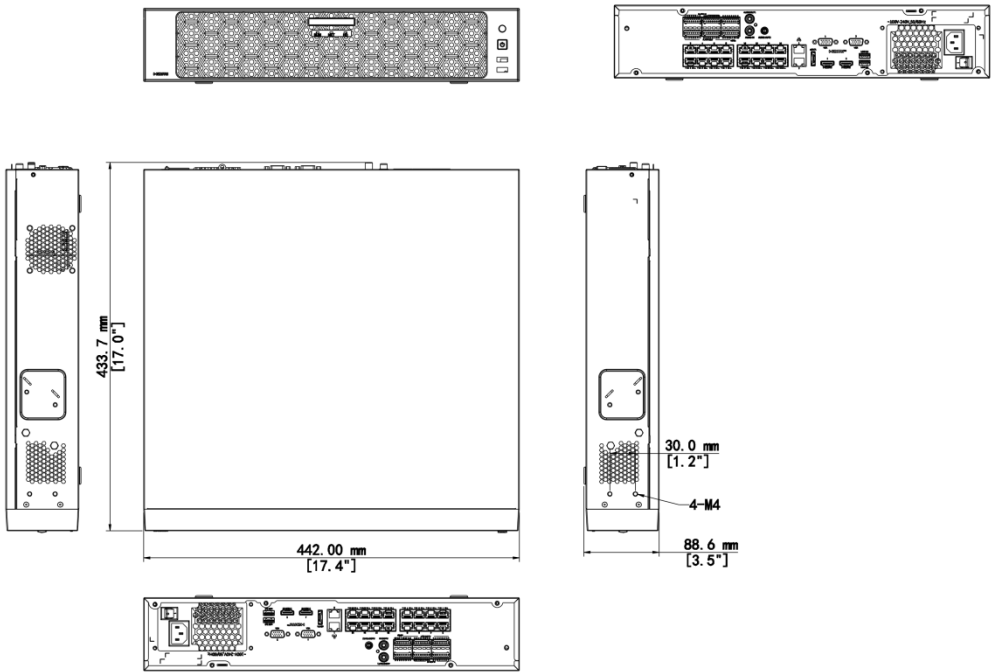
## Specifications

| 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@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 | 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<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, 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@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, 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                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                    |                   |
| Peripheral Input                |                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                    |                   |
| POS                             | All channels                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                    |                   |
| 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:<br>1/4/6/8/9/16/25/32;<br>HDMI2 and VGA2: 1/4/6/8/9/16                                                                                                                                                                                                      | HDMI1 and VGA1:<br>1/4/6/8/9/16/25/36/64;<br>HDMI2 and VGA2: 1/4/6/8/9/16                                                                                                                                                                                                                          |                   |
| Corridor Mode Screen            | 3/4/5/7/9/10/12/16                                                                                                                                                                                                 | HDMI1 and VGA1:                                                                                                                                                                                                                                                             | HDMI1 and VGA1:                                                                                                                                                                                                                                                                                    |                   |

|                                |                                                                                                                                                                                           |                                                           |                                                           |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|
|                                |                                                                                                                                                                                           | 3/4/5/7/9/10/12/16/32; HDMI2 and VGA2: 3/4/5/7/9/10/12/16 | 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 Function                 |                                                                                                                                                                                           |                                                           |                                                           |
| Smart by IPC                   | All channels (up to 16 images/s in total) Face Detection, Face Comparison, Vehicle Detection (LPR), Temperature Detection, SIP, UMD, 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.)         |                                                           |                                                           |
| Smart by NVR Analyzer Mode     | Mixed Mode (Face Recognition+AcuSearch/AcuTrack), Mixed Mode (SIP+UMD), Modes cannot active simultaneously, only one mode can active at a time.                                           |                                                           |                                                           |
| VCA Search                     | AcuSearch, AcuTrack, Face Snapshot Search, Face Comparison Search, Motor Vehicle Search, Non-Motor Vehicle Search, Human Body Search, General Search, People Counting Report, Heat Map    |                                                           |                                                           |
| AcuSearch                      |                                                                                                                                                                                           |                                                           |                                                           |
| Acu Search Performance         | All channels with UNV SIP/UMD Camera                                                                                                                                                      |                                                           |                                                           |
| AcuTrack                       |                                                                                                                                                                                           |                                                           |                                                           |
| Acu Track Performance          | All channels with UNV SIP/UMD Camera                                                                                                                                                      |                                                           |                                                           |
| by NVR                         | Up to 16-ch with UNV Face Detection Camera, Up to 4-ch with normal camera (UNV and Third-part brand, 4-ch 2MP, 2-ch 4MP, 1-ch 4K)                                                         |                                                           |                                                           |
| Plate Comparison               |                                                                                                                                                                                           |                                                           |                                                           |
| Vehicle Number Library         | Up to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total                                                                                                            |                                                           |                                                           |
| SIP                            |                                                                                                                                                                                           |                                                           |                                                           |
| SIP by NVR with normal cameras | Up to 8-ch with normal camera (UNV and Third-part brand, 8-ch 2MP, 4-ch 4MP, 2-ch 4K)                                                                                                     |                                                           |                                                           |
| UMD                            |                                                                                                                                                                                           |                                                           |                                                           |
| UMD by NVR with normal cameras | Up to 16-ch with normal camera (UNV and Third-part brand, 16-ch 2MP, 8-ch 4MP, 4-ch 4K)                                                                                                   |                                                           |                                                           |
| Capacity of Smart Snapshots    |                                                                                                                                                                                           |                                                           |                                                           |
| 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 24 TB for each HDD (The maximum HDD capacity varies with environment temperature and hard disk size, The environment temperature for use should not exceed 40°C.)                                                                                                                                                        |                                                     |                                                     |
| 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



# Accessories

## FL-2U

4 HDDs & 8 HDDs 2U NVR Rack Mount



# Unlimited New View

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

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