

## 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

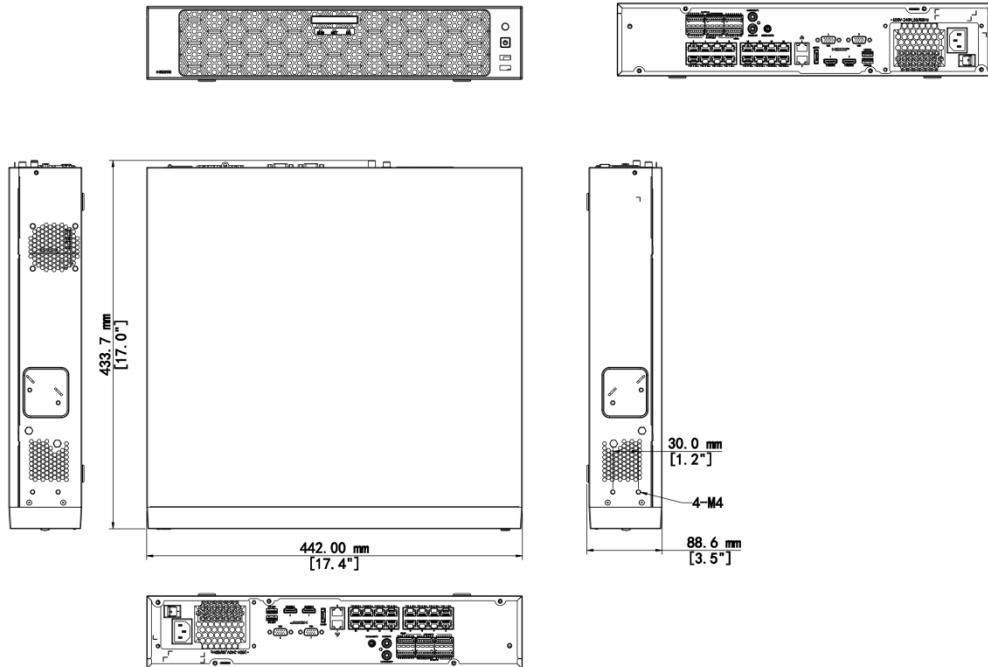
Model	NVR504-16E-P16-IQ	NVR504-32E-P24-IQ	NVR504-64E-P24-IQ
Decoding			
Decoding Format	Ultra 265, H.265, H.264		
Decoding Capability	Smart Off: 2 x 32MP@30, 4 x 16MP@30, 5 x 12MP@30, 8 x 4K@30, 10 x 6MP@30, 12 x 5MP@30, 16 x 4MP@30 Smart On: 1 x 32MP@30, 3 x 16MP@30, 4 x 12MP@30, 6 x 4K@30, 8 x 6MP@30, 9 x 5MP@30, 12 x 4MP@30, 16 x 3MP@30 3MP@30, 32 x 1080P@30 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 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 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: 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:	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
<b>Two-way Audio</b>			
Two-way Audio	1-ch, RCA (Using the audio input and output)		
<b>Snapshot</b>			
FTP/Schedule/Event Snapshot	16-ch snapshot (max. 8 MP (3840 × 2160) video resolution, with 1080P snapshot resolution)		
<b>Recording</b>			
Recording Resolution	32 MP/16 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080P/960P/720P/D1/2CIF/CIF		
<b>Smart</b>			
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+Mixed-Traffic Detection+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	All channels with UNV SIP/UMD Camera, Up to 16-ch with normal camera (UNV and Third-part brand, 16-ch 2MP, 8-ch 4MP, 4-ch 4K)		
AcuTrack	All channels with UNV SIP/UMD Camera, Up to 16-ch with normal camera (UNV and Third-part brand, 16-ch 2MP, 8-ch 4MP, 4-ch 4K)		
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)		
Vehicle Picture Library	Up to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total		
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 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 Snapshot Records	3 millions records for face snapshot, 2 millions records for vehicle snapshot, 2 millions records for SIP		
<b>Alarm</b>			
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		
<b>GUI Language</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		

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

Aggregate product size diagram using NVR504-16E-P16-IQ as an example



## Accessories

### FL-2U

4 HDDs & 8 HDDs 2U NVR Rack Mount



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