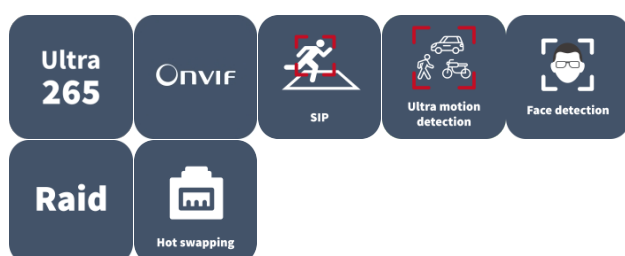**Network Video Recorder**

NVR524-E-IM Series

Features

- Support Ultra 265/H.265/H.264 video formats
- Support 128/256-channel input
- Support 2-ch HDMI, 2-ch VGA, HDMI1 at up to 8K (7680x4320) resolution, HDMI2 at up to 4K (3840x2160) resolution
- Support VGA1 and HDMI1 simultaneous output, VGA2 and HDMI2 simultaneous output. VGA1/HDMI1 and VGA2/HDMI2 independent output
- Support up to 32 Megapixels resolution recording
- Support HDD hot swap with RAID 0, 1, 5, 6, 10, 50, 60 storage scheme configurable
- Support 12V power output
- Support ANR technology to enhance the storage reliability when the network is disconnected
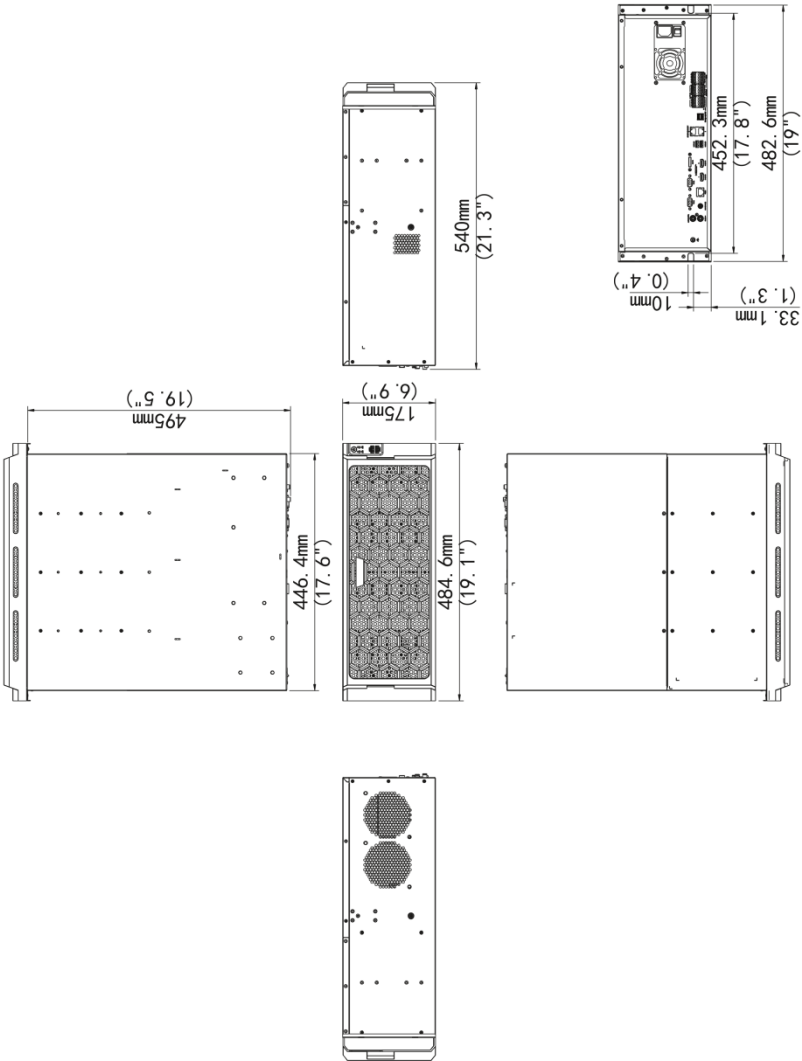- Support cloud upgrade
- Support N+1 Hot spare

Specifications

Model	NVR524-128E-IM	NVR524-256E-IM
Decoding		
Decoding Format	Ultra 265, H.265, H.264	
Decoding Capability	H265: 3 x 32MP@30, 6 x 16MP@30, 8 x 12MP@30, 12 x 4K@30, 16 x 6MP@30, 19 x 5MP@30, 24 x 4MP@30, 32 x 3MP@30, 48 x 1080P@30, 96 x 720P@30, 128 x D1@30 H264: 2 x 32MP@30, 4 x 16MP@30, 6 x 12MP@30, 9 x 4K@30, 12 x 6MP@30, 14 x 5MP@30, 18 x 4MP@30, 24 x 3MP@30, 36 x 1080P@30, 72 x 720P@30, 128 x D1@30	H265: 3 x 32MP@30, 6 x 16MP@30, 8 x 12MP@30, 12 x 4K@30, 16 x 6MP@30, 19 x 5MP@30, 24 x 4MP@30, 32 x 3MP@30, 48 x 1080P@30, 96 x 720P@30, 192 x D1@30 H264: 2 x 32MP@30, 4 x 16MP@30, 6 x 12MP@30, 9 x 4K@30, 12 x 6MP@30, 14 x 5MP@30, 18 x 4MP@30, 24 x 3MP@30, 36 x 1080P@30, 72 x 720P@30, 144 x D1@30
Decoding Capability Description	The resolution of each channel cannot exceed 8640 pixels in length or width,　For VGA/HDMI independent output, the VGA live video is output by default. To output the highest resolution video from the HDMI port, please clear the VGA video on the preview page.	
Audio Compression	G.711A, G.711U	
Network		
Incoming Bandwidth	8K OFF: 768 Mbps, 8K ON: 512 Mbps	
Outgoing Bandwidth	8K OFF: 768 Mbps, 8K ON: 640 Mbps	
Max Users Can Be Added	128	
Remote Users	128	
Protocols	TCP/IP, P2P, SMTP, NFS, 802.1x, RTSP,　UPnP,　NTP,　DHCP,　PPPoE,　HTTP,　DNS,　DDNS, SNMP, IPv4, HTTPS	
Browser (Plugin)	Chrome 45+, Edge 79+, Firefox 52+	
Browser (Plugin-Free)	Chrome 57+, Edge 16+, Firefox 58+, Safari 11+	
Video/Audio Input		
IP Video Input	128-ch	256-ch
RCA Audio Input	1-ch	
Peripheral Input		
Ip Speaker	16-ch	
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	HDMI1: 8K (7680 × 4320)/30 Hz, 4K (3840 2160)/60 Hz, 1920 × 1080/60 Hz,; HDMI2: 4K (3840 × 2160)/60 Hz, 1920 × 1080/60 Hz	
VGA Output	1920 × 1080/60 Hz	
HDMI Standard	HDMI1: 2.1, HDMI2: 2.0	
RCA Audio Output	2-ch	
Liveview Display	1/4/6/8/9/16/25/36/64	
Default Num of Live Screen	64	
Corridor Mode Screen	3/4/5/7/9/10/12/16/32	

Playback Screen	1/4/9/16
Corridor Mode Screen of Playback	1/3
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
Num of Concurrent Playback	32-ch
Synchronous Playback in Local	16-ch
Smart	
Smart by IPC	All channels (up to 64 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, Ultra Motion Detection (UMD), Smart Intrusion Prevention (SIP)
Smart by NVR Analyzer Mode	Single Mode (Face Recognition), Single Mode (SIP), Single Mode (UMD), Modes cannot active simultaneously, only one mode can active at a time.
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
by NVR	Up to 32-ch with UNV Face Detection Camera, Up to 6-ch with normal camera (UNV and Third-part brand, 6-ch 2MP, 3-ch 4MP, 1-ch 4K)
SIP by NVR with normal cameras	Up to 24-ch with normal camera (UNV and Third-part brand, 24-ch 2MP, 12-ch 4MP, 6-ch 4K)
UMD by NVR with normal cameras	Up to 32-ch with normal camera (UNV and Third-part brand, 32-ch 2MP, 16-ch 4MP, 8-ch 4K)
Vehicle Picture Library	Up to 5 vehicle picture libraries, with up to 5,000 vehicle pictures in total
Capacity of Snapshot Records	3 millions records for face snapshot, 3 millions records for vehicle snapshot, 3 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
Num of Concurrent Processing Alarms	One every 5 seconds
Hard Disk	
SATA	24 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, 6, 10, 50, 60
Hot Swap	Support
External Interface	
Network Interface	2 RJ45 10 M/100 M/1000 M self-adaptive Ethernet Interface
Network Working Mode	Muli-access, load balance, network fault-tolerance
USB	Front panel: 2 × USB2.0, Rear panel: 2 × USB3.0
RS485	1
RS232	1
Alarm In	16-ch
Alarm Out	10-ch
Power Output	12 V
Extension Board	N/A
Buzzer	Support
Power Supply	AC 220 V
Power Switch	Support
Redundant Power Supply	N/A
Working Environment	
Working Temperature	-10 ℃ to 55 ℃ (14 ℉ to 131 ℉)
Working Humidity	≤ 95% RH (non-condensing)
Power Consumption (without HDD)	≤ 50W
Heat Dissipation	Fan, Radiator
Dimensions	
Weight (without HDD)	≤ 10.8Kg
Height	4U
Dimensions	532.8mm x 484.6mm x175mm
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
Feature Supported	
N+1 Hot Spare	Support
Fisheye Dewarping by IPC	Support
Fisheye Dewarping by NVR (Local)	Support (1 × 4MP or 1 × 5 MP)
Dual-lens Cameras	Support
Box-Dome Linkage	Support
ANR	Support
Downlink ONVIF	Support (Profile S)
Video Image Database (Uplink)	Support
UCS (Web socket)	Support

NAS	Support
Ucode Basic Mode	Support
Ucode Advanced Mode	Support
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

Dimensions

Unlimited New View

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