

# Network Video Recorder NVR824-R-IX2 Series



## Features

- Support Ultra 265/H.265/H.264 video formats
- Support 128/256-channel input
- Support 2-ch HDMI, 1-ch VGA, HDMI at up to 4K (3840x2160) resolution
- Support HDMI1, HDMI2 and VGA independent outputs provided
- Support up to 8 Megapixels resolution recording
- Support redundant power supply optional
- Support HDD hot swap with RAID 0, 1, 5, 6, 10, 50, 60 storage scheme configurable
- Support 2 miniSAS Interfaces
- 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

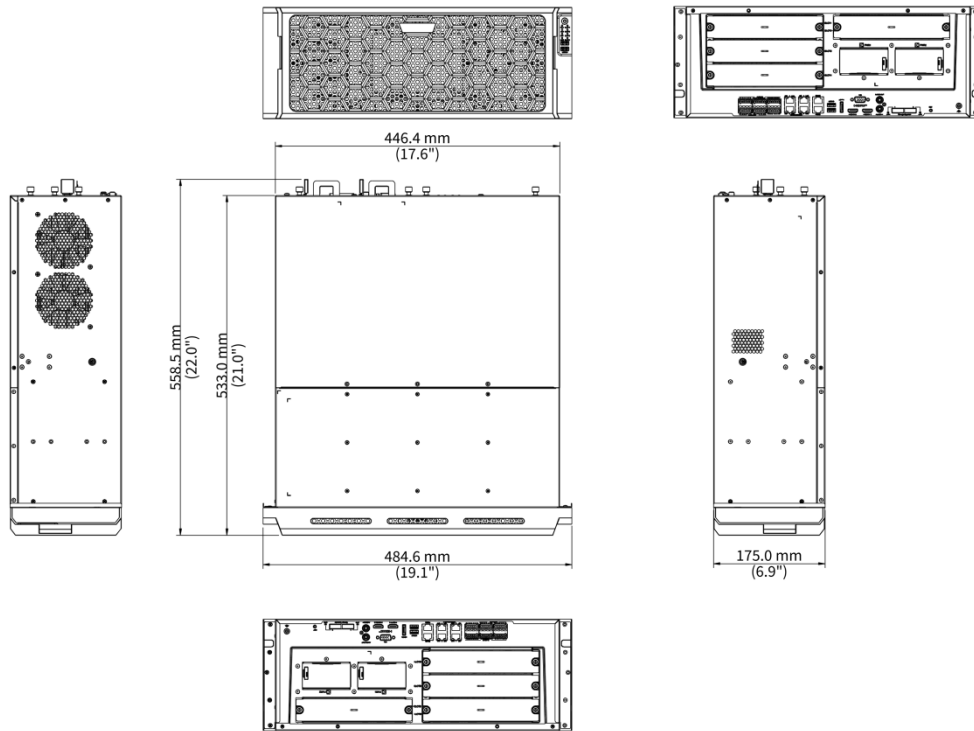
## Specifications

Model	NVR824-128-R-IX2-8G	NVR824-256-R-IX2-16G
<b>Decoding</b>		
Decoding Format	Ultra 265, H.265, H.264	
Decoding Capability	3 x 12MP@30, 5 x 4K@30, 8 x 5MP@30, 15 x 4MP@20, 20 x 3MP@20, 20 x 1080P@30, 24 x 1080P@25, 45 x 720P@30, 54 x 720P@25, 96 x D1	
Decoding Capability Description	The resolution of each channel cannot exceed 4096 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	
<b>Network</b>		
Incoming Bandwidth	768 Mbps	
Outgoing Bandwidth	768 Mbps	
Remote Users	128	
Protocols	TCP/IP, P2P, UPnP, NTP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, SNMP, SMTP, NFS, 802.1x, IPv6, IPv4	
Browser (Plugin)	IE10, IE11, Chrome 45+, Edge 79+, Firefox 52+	
<b>Video/Audio Input</b>		
IP Video Input	128-ch	256-ch
RCA Audio Input	1-ch	
<b>Peripheral Input</b>		
POS	All channels	
<b>Video/Audio Output</b>		
Video Output	Support 2-ch HDMI, 1-ch VGA, HDMI1 and HDMI2 and VGA independent output	
HDMI Output	4K (3840 × 2160)/30 Hz, 1920 × 1080/60 Hz, 1920 × 1080/50 Hz, 1600 × 1200/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz	
RCA Audio Output	1-ch	
Liveview Display	VGA: 1/4/6/8/9/16/25/36; HDMI: 1/4/6/8/9/16/25/36/64	
Corridor Mode Screen	3/4/5/7/9/10/12/16/32	
<b>Two-way Audio</b>		
Two-way Audio	1-ch, RCA (Using the audio input and output)	
<b>Snapshot</b>		
FTP/Schedule/Event Snapshot	Full-ch snapshot (max. 4000 × 3000 video resolution, with snapshot resolution same as the video resolution)	
<b>Recording</b>		
Recording Resolution	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080P/960P/720P/D1/2CIF/CIF	
Synchronous Playback in Local	16-ch	
<b>Smart Function</b>		
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, Smart Intrusion Prevention (SIP), Behavior Analysis	
Smart by NVR Analyzer Mode	Mixed Mode (Face Recognition+SIP+Behavior Analysis+People Counting)	
VCA Search	Face Snapshot Search, Face Comparison Search, Motor Vehicle Search, Non-Motor Vehicle Search, Human Body Search, General Search, People Counting Report, SmartSearch+	
by NVR	All channels with UNV Face Detection Camera Up to 96-ch with normal camera (UNV and Third-part brand, 96-ch 2MP, 48-ch 4MP, 24-ch 4K)	All channels with UNV Face Detection Camera Up to 192-ch with normal camera (UNV and Third-part brand, 192-ch 2MP, 96-ch 4MP, 48-ch 4K)
Search by Image	Support	
<b>SIP</b>		
SIP by NVR with normal cameras	Up to 96-ch with normal camera (UNV and Third-part brand, 96-ch 2MP, 48-ch 4MP, 24-ch 4K)	Up to 192-ch with normal camera (UNV and Third-part brand, 192-ch 2MP, 96-ch 4MP, 48-ch 4K)
with normal cameras	Up to 96-ch with normal camera (UNV and Third-part brand, 96-ch 2MP, 48-ch 4MP, 24-ch 4K)	Up to 192-ch with normal camera (UNV and Third-part brand, 192-ch 2MP, 96-ch 4MP, 48-ch 4K)
Type	No Helmet Detection, No Chef Hat Detection, No Work Clothes Detection, Smoking Detection, Smoke and Fire Detection, Calling Detection, No Mask Detection, Rat Detection, Long Stay Detection, Fall Detection, Fight Detection, Absence Detection, Climbing Detection, Sleep on Duty Detection, People Counting, Using Mobile Phone Detection, People Gathering, People Dispersion	
<b>Smart</b>		
Vehicle Picture Library	Up to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total	
<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, High CPU Temperature, High Motherboard Temperature, 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	
<b>Hard Disk</b>		
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	
<b>External Interface</b>		

Network Interface	4 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	1
Alarm In	24-ch
Alarm Out	8-ch
eSATA	1
miniSAS	2
Power Output	12 V
Extension Board	4
Power Supply	AC 100 to 240 V
Power Switch	Support
Redundant Power Supply	Support
<b>Working Environment</b>	
Working Temperature	-10 °C to 50 °C (14 °F to 122 °F)
Working Humidity	≤ 90% RH (non-condensing)
Power Consumption (without HDD)	≤350W
<b>Dimensions</b>	
Weight (without HDD)	15KG
Height	4U
Dimensions	482mm × 559mm × 175mm (19.0" × 22.0" × 6.9" )
<b>Certification</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



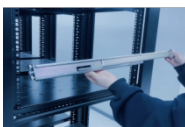
# Accessories

### FB-HD04-B-NB

4-ch HDMI Output Decoding Card



SL-A  
Slide Rail



### FB-HD07-B-NB

7-ch HDMI Output Decoding Card



PWR-DC12-550A-IN  
550W Power Accessories Module



### DEU1016-B

16 HDDs 3U Disk Enclosure



# Unlimited New View

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