

# 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

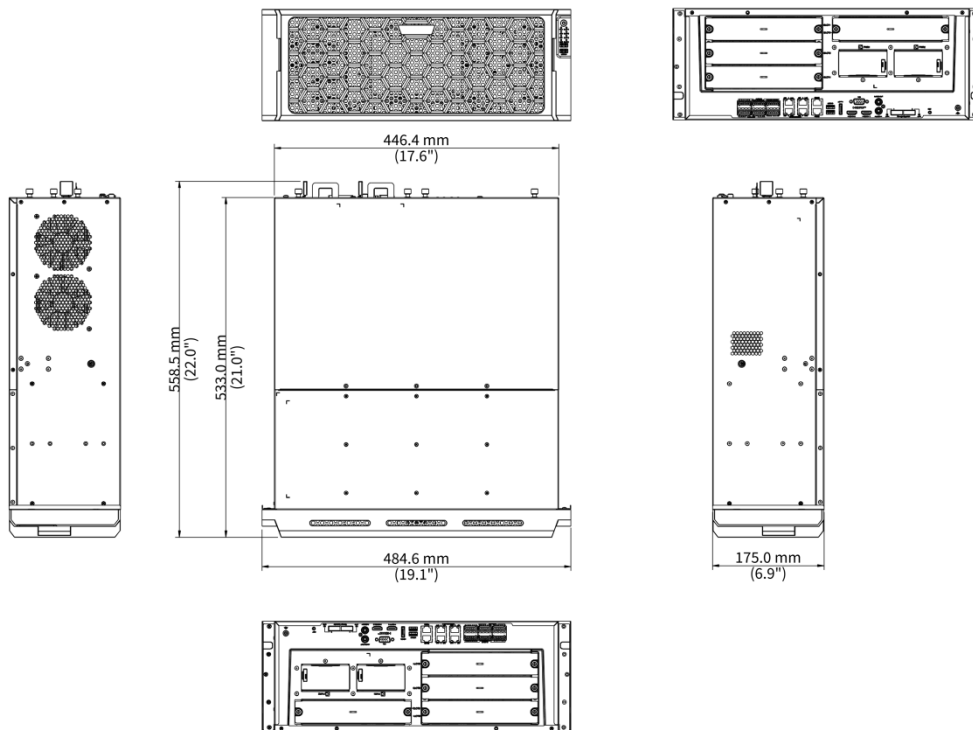
Model	NVR824-128-R-IX2-8G	NVR824-256-R-IX2-16G
<b>Decoding</b>		
Decoding Format	Ultra 265, H.265, H.264	
Decoding Capability	3 x 12MP@30, 5 x 4K@30, 8 x 5MP@30, 15 x 4MP@20, 20 x 3MP@20, 20 x 1080P@30, 24 x 1080P@25, 45 x 720P@30, 54 x 720P@25, 96 x D1	
Decoding Capability Description	The resolution 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>		
Ip Speaker	16-ch	
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, People Counting	
Smart by NVR	Face Detection, Face Comparison, People Counting (People Flow Counting, Crowd Density Monitoring), Video Metadata, Smart Intrusion Prevention (SIP), Behavior Analysis, Evacuation Route Obstruction, Plate Comparison, Elevator Entrance Detection, Illegally Parked Motor Vehicle	
Smart by NVR Analyzer Mode	Mixed Mode (Face Recognition+SIP+Behavior Analysis+People Counting)	
VCA Search	Face Snapshot Search, Face Comparison Search, Behavior Search, Motor Vehicle Search, Non-Motor Vehicle Search, Human Body Search, General Search, People Counting Report, SmartSearch+, AcuSearch, AcuTrack, SeekFree	
AcuSearch		
Acu Search Performance	All channels with UNV SIP/UMD Camera Up to 128-ch with normal camera (UNV and Third-part brand, 128-ch 2MP, 64-ch 4MP, 32-ch 4K	All channels with UNV SIP/UMD Camera Up to 256-ch with normal camera (UNV and Third-part brand, 256-ch 2MP, 128-ch 4MP, 64-ch 4K
AcuTrack		
Acu Track Performance	All channels with UNV SIP/UMD Camera Up to 128-ch with normal camera (UNV and Third-part brand, 128-ch 2MP, 64-ch 4MP, 32-ch 4K	All channels with UNV SIP/UMD Camera Up to 256-ch with normal camera (UNV and Third-part brand, 256-ch 2MP, 128-ch 4MP, 64-ch 4K
SeekFree		
SeekFree Performance	All channels with UNV SIP/UMD Camera Up to 128-ch with normal camera (UNV and Third-part brand, 128-ch 2MP, 64-ch 4MP, 32-ch 4K	All channels with UNV SIP/UMD Camera Up to 256-ch with normal camera (UNV and Third-part brand, 256-ch 2MP, 128-ch 4MP, 64-ch 4K
SeekFree Language	English	
by NVR	All channels with UNV Face Detection Camera Up to 128-ch with normal camera (UNV and Third-part brand, 128-ch 2MP, 64-ch 4MP, 32-ch 4K	All channels with UNV Face Detection Camera Up to 256-ch with normal camera (UNV and Third-part brand, 256-ch 2MP, 128-ch 4MP, 64-ch 4K
Search by Image	Support	
Plate Comparison		
Plate Comparison by NVR	All channels with UNV LPR Camera, normal/Third-part brand cameras not supported	
Plate Library	Up to 5 plate libraries, with up to 25000 plates in total	
SIP		
SIP by NVR with normal cameras	Up to 128-ch with normal camera (UNV and Third-part brand, 128-ch 2MP, 64-ch 4MP, 32-ch 4K	Up to 256-ch with normal camera (UNV and Third-part brand, 256-ch 2MP, 128-ch 4MP, 64-ch 4K
UMD		
UMD by NVR with normal cameras	N/A	
with normal cameras	Up to 128-ch with normal camera (UNV and Third-part brand, 128-ch 2MP, 64-ch 4MP, 32-ch 4K	Up to 256-ch with normal camera (UNV and Third-part brand, 256-ch 2MP, 128-ch 4MP, 64-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, No Reflective Clothing Detection, Quick Moving, Knife/Stick in Hand Detection	
Video Metadata		
Video Metadata by NVR with normal cameras	Up to 128-ch with normal camera (UNV and Third-part brand, 128-ch 2MP, 64-ch 4MP, 32-ch 4K	Up to 256-ch with normal camera (UNV and Third-part brand, 256-ch 2MP, 128-ch 4MP, 64-ch 4K
Video Metadata Type	Motor Vehicle: Vehicle Type, Vehicle Color, Vehicle Brand, Direction, Plate Type, Plate Color, Non-Motor Vehicle: Non-Motor Vehicle Type, Direction, Gender, Age, Upper Garment Length, Upper Garment Color, Human Body: Gender, Age, Mask, Hairstyle, Bag Style, Direction, Upper Garment Length, Lower Garment Length, Upper Garment Color, Lower Garment Color	
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, High CPU Temperature, High Motherboard Temperature, 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	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	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
Buzzer	Support
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



**FB-HD07-B-NB**

7-ch HDMI Output Decoding Card



**DEU1016-B**

16 HDDs 3U Disk Enclosure



**SL-A**

Slide Rail



**PWR-DC12-550A-IN**

550W Power Accessories Module



# Unlimited New View

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