

Network Video Recorder

NVR824-R-IM2 Series



Features

- Support Ultra 265/H.265/H.264 video formats
- 128/256-channel input
- Third-party IP cameras supported with ONVIF conformance: Profile S, Profile G, Profile C, Profile Q, Profile A, Profile T
- Support 2-ch HDMI, 1-ch VGA, HDMI at up to 4K (3840x2160) resolution
- HDMI1, HDMI2 and VGA independent outputs provided
- Up to 8 Megapixels resolution recording
- 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
- ANR technology to enhance the storage reliability when the network is disconnected
- Support cloud upgrade
- Support N+1 Hot spare

Specifications

| Decoding | Description |
|-----------------|-------------------------|
| Decoding Format | Ultra 265, H.265, H.264 |

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|---------------------------------|---|
| 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 |
| Network | Description |
| Incoming Bandwidth | 768Mbps |
| Outgoing Bandwidth | 768Mbps |
| Remote Users | 128 |
| Protocols | TCP/IP, P2P, UPnP, NTP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, SNMP, SMTP, NFS, 802.1x, IPv6, IPv4 |
| Browser(Plugin) | Windows: IE (IE10/ 11), Firefox (version 52.0 and above), Chrome (version 45 and above), Edge (version 79 and above) |
| Video/Audio Input | Description |
| IP Video Input | NVR824-128-R-IM2-8G:128-ch NVR824-256-R-IM2-16G:256-ch |
| RCA Audio Input | 1-ch |
| Video/Audio Output | Description |
| Video Output | Support 2-ch HDMI, 1-ch VGA, HDMI1 and HDMI2 and VGA independent output |
| HDMI Output | 4K(3840x2160)/30Hz, 1920x1080/60Hz, 1920x1080/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz |
| VGA Output | 1920x1080/60Hz, 1920x1080/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz |
| 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 |
| Two-way Audio | Description |
| Two-way Audio | 1-ch, RCA (Using the audio input and output) |
| Snapshot | Description |
| FTP/Schedule/Event Snapshot | 128-ch snapshot, up to 4K resolution |
| Recording | Description |

| | |
|-------------------------------|---|
| Recording Resolution | 12MP/8MP/6MP/5MP/4MP/3MP/1080P/960P/720P/D1/2CIF/CIF |
| Synchronous Playback in Local | 16-ch |
| Smart | Description |
| VCA Detection by IPC | Face Detection, Vehicle Detection, SIP (Intrusion Detection, Cross Line Detection, Enter Area, Leave Area), Ultra Motion Detection (UMD), Temperature Detection (Fire Detection, Smoking Detection, Temperature Measurement, Smoke and Fire Detection), People Counting (People Flow Counting, Crowd Density Monitoring), Video Metadata, Traffic Monitoring |
| Smart by NVR | Face Detection, Smart Intrusion Prevention (SIP), Video Metadata, (At same channel, only one smart function by NVR can be enabled simultaneously) |
| VCA Search | Motor Vehicle Search, Non-Motor Vehicle Search, Human Body Search, General Search, People Counting Report |
| Smart by IPC | All channels (up to 64 images/s in total) Face Detection, Vehicle Detection, Temperature Detection, SIP, UMD, Video Metadata, Traffic Monitoring |
| Search by Image | Support |
| Vehicle Picture Library | Up to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total |
| SIP by NVR | NVR824-128-R-IM2-8G:96-ch NVR824-256-R-IM2-16G:192-ch |
| Video Metadata by NVR | NVR824-128-R-IM2-8G:96-ch NVR824-256-R-IM2-16G:192-ch |
| Video Metadata Type by NVR | Motor Vehicle: Vehicle Color, Vehicle Type, Vehicle Brand, Direction., Non-Motor Vehicle: Non-Motor Vehicle Type, Direction, Gender, Age, Upper Garment Length., Human Body: Gender, Age, Mask, , Bag Style, Direction, Upper Garment Length, Lower Garment Length. |
| Alarm | Description |
| 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 | Description |
| 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 | Description |
|---------------------------------|--|
| SATA | 24 SATA Interfaces |
| Capacity | Up to 16TB for each HDD (The maximum HDD capacity varies with environment temperature) |
| Disk Group | Support |
| Redundant Storage | Support |
| Disk Array Type | RAID 0, 1, 5, 6, 10, 50, 60 |
| Hot Swap | Support |
| External Interface | Description |
| Network Interface | 4 RJ45 10M/100M/1000M self-adaptive Ethernet Interface |
| USB | Front panel: 2 x USB2.0, Rear panel: 2 x USB3.0 |
| RS485 | 1 |
| RS232 | 1 |
| Alarm In | 24-ch |
| Alarm Out | 8-ch |
| eSATA | 1 |
| miniSAS | 2 |
| Extension Board | 4 |
| Power Output | 12V |
| Power Supply | AC 100 ~ 240 V |
| Power Switch | Support |
| Redundant Power Supply | Support |
| Working Environment | Description |
| Working Temperature | -10 °C ~ 50 °C (14 °F ~ 122 °F) |
| Working Humidity | ≤ 90% RH (non-condensing) |
| Power Consumption (without HDD) | ≤350W |
| Dimensions | Description |
| Weight (without HDD) | 15KG |
| Height | 4U |
| Dimensions | 482mm × 559mm × 175mm (19.0" × 22.0" × 6.9") |
| Certification | Description |

| | |
|---------------|--|
| Certification | CE; FCC; UL; RoHS; WEEE |
| CE | EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 55035 |
| FCC | Part15 Subpart B |

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

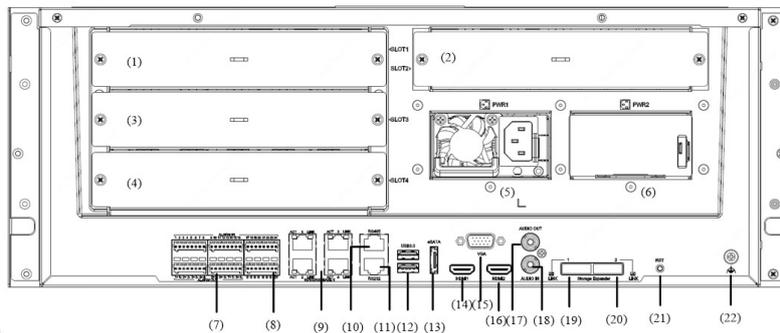


PWR-DC12-550A-IN

550W Power Accessories Module



Rear Panel



| | | |
|-------------------|--------------------|------------------------------|
| (1) Slot1 | (2) Slot2 | (3) Slot3 |
| (4) Slot4 | (5) Power Supply 1 | (6) Power Supply 2(optional) |
| (7) Alarm in/out | (8) 12V DC Output | (9) Network Interface |
| (10) RS485 | (11) RS232 | (12) USB3.0 |
| (13) eSATA | (14) HDMI1 Output | (15) VGA Output |
| (16) HDMI2 Output | (17) Audio Output | (18) Audio Input |
| (19) miniSAS | (20) miniSAS | (21) RST |
| (22) GND | | |

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