# PNRA10 Series NVR

## Features and Functions

### Professional and Reliable

- Dual-OS design to ensure high reliability of system running
- ANR technology to enhance the storage reliability when the network is disconnected
- HDD hot swap with RAID0, RAID1, RAID5, RAID6 and RAID10 storage scheme configurable
- Configurable normal or hot spare working mode to constitute an N+1 hot spare system

### Video Input and Transmission

- Up to 64-ch 12 MP IP cameras can be connected
- Connectable to the third-party network cameras

### Compression and Recording

- H.264+ compression effectively reduces the storage space and costs by up to 50%
- Full channel recording at up to 12MP resolution

### HD Video Output

- HDMI1/VGA1 and HDMI2/VGA2 outputs provided
- HDMI1 Video output at up to 4K (3840 × 2160) resolution

### Storage and Playback

- Up to 8 SATA interfaces and 1 eSATA interface connectable for recording and backup
- Smart search for efficient playback.
- 8/16-ch synchronous playback at up to 1080p resolution

### Smart &POS Function

- Supports multiple VCA (Video Content Analytics) events
- Smart search for the selected area in the video; and smart playback to improve the playback efficiency
- Supports VCA search for fire/ship/temperature/temperature difference detection triggered video files
- POS information overlay on live view and playback
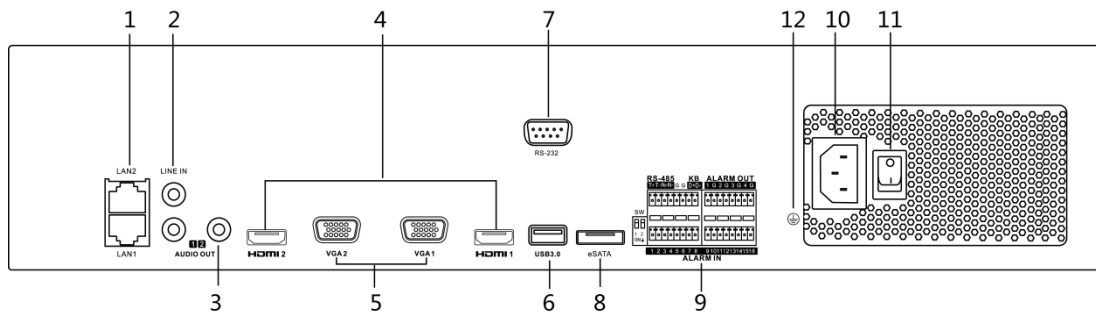- POS triggered recording and alarm

### Network & Ethernet Access

- Hik Cloud P2P & HiDDNS (Dynamic Domain Name System) for easy network management
- 2 Gigabit Ethernet network interfaces; Host and user authentication (up to 20 users)

# Specifications

| Model | | | | DS-9632NI-I8 | DS-9664NI-I8 |
|---|---|---|---|---|---|
| **Video/Audio input** | **IP video input** | | | 32-ch | 64-ch |
| | | Up to 12 MP resolution | | | |
| | **Two-way audio** | 1-ch, RCA (2.0 Vp-p, 1 k Ω) | | | |
| **Network** | **Incoming bandwidth** | | | 320 Mbps | 320 Mbps |
| | | or 200 Mbps (when RAID is enabled) | | | |
| | **Outgoing bandwidth** | 256 Mbps, or 200 Mbps (when RAID is enabled) | | | |
| | **Remote connection** | 128 | | | |
| **Video/Audio output** | **Recording resolution** | 12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF | | | |
| | **CVBS output (Optional)** | 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480 | | | |
| | **VGA1 /HDMI1 output resolution** | HDMI1: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz | | | |
| | | VGA1: 2K (2560 × 1440)/60Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz | | | |
| | **VGA2 /HDMI2 output resolution** | 1920 × 1080p/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz | | | |
| | **Audio output** | 2-ch, RCA (2.0Vp-p, 1 KΩ) | | | |
| **Decoding** | **Decoding format** | H.265/H.265+/H.264/H.264+/MPEG4/MJPEG | | | |
| | **Live view/Playback resolution** | 12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF | | | |
| | **Synchronous playback** | | 16-ch | | |
| | **Capability** | 4-ch @ 4K or 16-ch @ 1080p | | | |
| **Network management** | **Network protocols** | TCP/IP, DHCP, HIK Cloud P2P, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™, HTTPS, RTP, UDP/IP, HTTP, FTP, SNMP | | | |
| **Hard disk** | **SATA** | 8 SATA interfaces – NAS storage DS-A81024D HOT PLUG 24HDD SATA (12 TB each)    is optional | | | |
| | **eSATA** | 1 eSATA interface | | | |
| | **Capacity** | Up to 12 TB capacity for each HDD | | | |
| **Disk array** | **Array type** | RAID0, RAID1, RAID5, RAID6, RAID10 | | | |
| | **Number of arrays** | 4 | | | |
| **External interface** | **Network interface** | 2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface | | | |
| | **Serial interface** | RS-232; RS-485; Keyboard | | | |
| | **USB interface** | Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0 | | | |
| | **Alarm in/out** | 16/4 | | | |
| **General** | **Power supply** | 100 to 240 VAC, 50 to 60 Hz | | | |
| | **Max. Power** | 200 W | | | |
| | **Consumption (without hard disk)** | ≤ 30 W | | | |
| | **Working temperature** | -10 to +55º C (+14 to +131º F) | | | |
| | **Working humidity** | 10 to 90 % | | | |
| | **Chassis** | 19-inch rack-mounted 2U chassis | | | |
| | **Dimensions(W × D × H)** | 445 × 470 ×90 mm (17.5"× 18.5" × 3.5") | | | |
| | **Weight (without hard disk)** | ≤ 10 kg (22 lb) | | | |

# Physical Interfaces



| Index | Description | Index | Description |
|-------|-------------|-------|-------------|
| **1** | LAN1/LAN2 Interface | **7** | RS-232 Interface |
| **2** | LINE IN | **8** | eSATA Interface |
| **3** | AUDIO OUT | **9** | Alarm In/Alarm Out |
| **4** | HDMI1/HDMI2 Interface | **10** | 100 to 240 VAC power supply |
| **5** | VGA1/VGA2 Interface | **11** | Power Switch |
| **6** | USB 3.0 Interface | **12** | GND |

# Available Models

PNRA10-32, PNRA10-64