**HNRA10 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

**HD Input**

 H.265/H.264/MPEG4 video formats

 Connectable to the third-party network cameras

 Up to 64 IP cameras can be connected

 Recording at up to 12 MP resolution

 Supports live view, storage, and playback of the connected camera at up to 12 MP resolution

**HD Output**

 HDMI1/VGA1 and HDMI2/VGA2 outputs provided

 HDMI1 Video output at up to 4K (3840 × 2160) resolution

**HD Storage**

 Up to 8 SATA interfaces and 1 eSATA interface connectable for recording and backup

 Storage space effectively saved by 50% to 70% with the use of H.264+ decoding format

**HD Transmission**

 2 self-adaptive 10M/100M/1000M network interfaces, and two working modes are configurable: multi-address and network fault tolerance

**Various Applications**

 Centralized management of IP cameras, including configuration, information import/export, real-time information display, two-way audio, upgrade, etc.

 Connectable to smart IP cameras and the recording, playing back, and backing up of VCA alarms can be realized

 VCA detection alarm is supported

 Instant playback for assigned channel during multi-channel display mode

 Smart search for the selected area in the video; and smart playback to improve the playback efficiency

 Supports HDD quota and group modes; different capacity can be assigned to different channels

**Specifications**

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| **Model** |  | **HNRA10-32** | **HNRA10-64** |
| **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, 1kΩ) |
| **Network** | **Incoming bandwidth** | 320 Mbps, or 200 Mbps (when RAIDis enabled) | 320 Mbps, or 200 Mbps (whenRAID 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/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF |
| **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.264/MPEG4 |
| **Live view / Playback resolution** | 12 MP/8 MP/6 MP/5 MP/4 MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF |
| **Synchronous playback** | 16-ch |
| **Capability** | 4-ch @ 8 MP, or 16-ch @ 1080p |
| **Hard disk** | **SATA** | 8 SATA interfaces for 8HDDs |
| **eSATA** | 1 eSATA interface |
| **Capacity** | Up to 6TB 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 +55ºC (14 to 131ºF) |
| **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**



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| --- | --- | --- | --- |
| **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**

HNRA10-32, HNRA10-64.