

DR-4700NI-E4 Series NVR



Introduction:

DR-4700NI-E4 series NVR (Network Video Recorder) is a new generation recorder developed by Fwϑιϑιr independently. Combined with multiple advanced technologies, such as audio and video encoding & decoding technology, embedded system technology, storage technology, network technology and intelligent technology, it can both work alone as a recorder and cooperate with other device to build a comprehensive surveillance system.

The DR-4700NI-E4 series NVR can be widely applied in the areas of finance, public security, military, communication, transportation, education, etc..

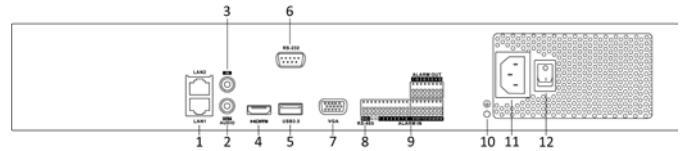
Available Models:

DR-4708NI-E4, DR-4716NI-E4 and DR-4732NI-E4.

Main Features:

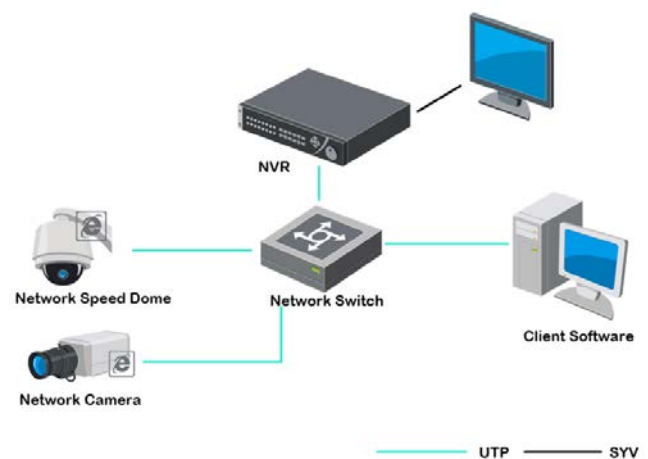
- Connectable to the third-party network cameras like ACTI, Arecont, AXIS, Bosch, Brickcom, Canon, ONVIF, PANASONIC, Pelco, PSIA, SAMSUNG, SANYO, SONY, Vivotek and ZAVIO.
- Up to 32 network cameras can be connected.
- Support live view, storage, and playback of the connected camera at up to 5 megapixels resolution.
- Simultaneous HDMI and VGA at 1920 × 1080 resolution.
- New GUI and support starting record with one key.
- Redundant recording, holiday recording and capture schedule configuration.
- Realize instant playback for assigned channel during multi-channel display mode.
- Up to 16-ch synchronous playback at 4CIF resolution.
- Smart search for the selected area in the video.
- Customization of tags, searching, and playing back by tags.
- Locking and unlocking record files.
- Support HDD quota and group modes; different capacity can be assigned to different channel.
- Up to 4 SATA hard disks and 1 eSATA disk (optional) can be connected, for both recording and backup.
- 2 self-adaptive 10M/100M/1000M network interfaces, with working modes configurable: multi-address, load balance, network fault tolerance, etc.
- Support Fwϑιϑιr DDNS (Dynamic Domain Name System);
- Support network detection, including network delay, packet loss, etc.

Physical Interfaces:



| Index | Name |
|-------|----------------------------------|
| 1 | LAN1 and LAN2 Network Interfaces |
| 2 | AUDIO OUT |
| 3 | AUDIO IN |
| 4 | HDMI Interface |
| 5 | USB 3.0 Interface |
| 6 | RS-232 Serial Interface |
| 7 | VGA Interface |
| 8 | RS-485 Serial Interface |
| 9 | ALARM IN and ALARM OUT |
| 10 | GND |
| 11 | 100~240VAC Power Input |
| 12 | Power Switch |

Typical Application:



Specifications:

| Model | | DR-4708NI-E4 | DR-4716NI-E4 | DR-4732NI-E4 |
|--------------------|--|---|------------------------------------|------------------------------------|
| Video/Audio input | IP video input | 8-ch | 16-ch | 32-ch |
| | Two-way audio | 1-ch, RCA (2.0 Vp-p, 1kΩ) | | |
| Network | Incoming bandwidth | 50Mbps | 100Mbps | 200Mbps |
| | Outgoing bandwidth | 80Mbps | | |
| | Remote connection | 128 | | |
| Video/Audio output | Recording resolution | 5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF | | |
| | Frame rate | Main stream: 50 fps (P) / 60 fps (N) | | |
| | | Sub-stream: 50 fps (P) / 60 fps (N) | | |
| | HDMI/VGA output | 1-ch, resolution: 1920 × 1080P /60Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz | | |
| Audio output | 1-ch, RCA (Linear, 1KΩ) | | | |
| Decoding | Live view / Playback resolution | 5MP /3MP /1080P /UXGA /720P /VGA /4CIF /DCIF /2CIF /CIF /QCIF | | |
| | Capability | 8-ch@720P, 6-ch@1080P | 16-ch@4CIF, 12-ch@720P, 6-ch@1080P | 16-ch@4CIF, 12-ch@720P, 6-ch@1080P |
| Hard disk | SATA | 4 SATA interfaces for 2 HDDs + 1 DVD-R/W (default), or 4HDDs | | |
| | eSATA (Optional) | 1 eSATA interface | | |
| | Capacity | Up to 4TB capacity for each HDD | | |
| External interface | Network interface | 2 RJ-45 10 /100 /1000 Mbps self-adaptive Ethernet interfaces | | |
| | Serial interface | RS-232 and RS-485 | | |
| | USB interface | 2 × USB 2.0 + 1 × USB 3.0 | | |
| | Alarm in / out | 16 / 4 (optionally can be expanded to 16 / 8) | | |
| Others | Power supply | 100 ~ 240 VAC | | |
| | Consumption (without hard disk or DVD-R/W) | ≤ 20 W | ≤ 20 W | ≤ 20 W |
| | Working temperature | -10 °C ~ +55 °C (14°F ~ 131°F) | | |
| | Working humidity | 10 % ~ 90 % | | |
| | Chassis | 19-inch rack-mounted 1.5U chassis | | |
| | Dimensions (W × D × H) | 445 × 390 × 70 mm (17.5"× 15.3" × 2.8") | | |
| | Weight (without hard disk or DVD-R/W) | ≤ 4 Kg (8.82 lb) | | |

Note:

The formula to calculate the incoming bandwidth and the IP camera connected is: $A = B/(C+D)$.

A refers to the number of IP camera you connected.

B refers to the value of the incoming bandwidth.

C refers to the bitrate value of the main stream of the connected IP camera.

And D refers to the bitrate value of the sub-stream of the connected IP camera.

Example: