

DS-9500NI-ST Series

NVR

Introduction:

DS-9500NI-ST series NVR (Network Video Recorder) is a new generation recorder developed by Hikvision 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 DS-9500NI-ST series NVR are widely applied in the areas of finance, public security, military, communication, transportation, education, etc..

Available Models:

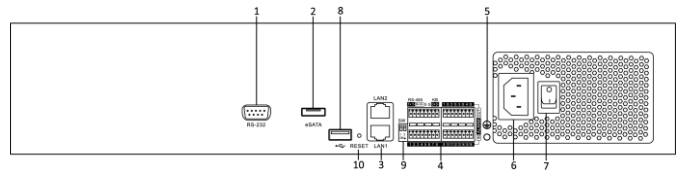
DS-9508NI-ST, DS-9516NI-ST, DS-9532NI-ST, and DS-9564NI-ST.

Main Features:

- Pluggable HDD design provides convenient HDD installation and maintenance way;
- Connectable to the third-party network cameras like like ACTI, Arecont, AXIS, Bosch, Brickcom, Canon, ONVIF, PANASONIC, Pelco, PSIA, SAMSUNG, SANYO, SONY and Vivotek and ZAVIO.
- Up to 64 network cameras can be connected
- Support live view, storage, and playback of the connected camera with up to the resolution of 5 megapixels.
- Redundant recording, holiday recording and capture schedule configuration;
- Support one-touch backup.
- 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 8 SATA hard disks and 1 eSATA disk 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 Hikvision DDNS (Dynamic Domain Name System);
- Adopt pioneering dual-OS design to ensure the security of system running.

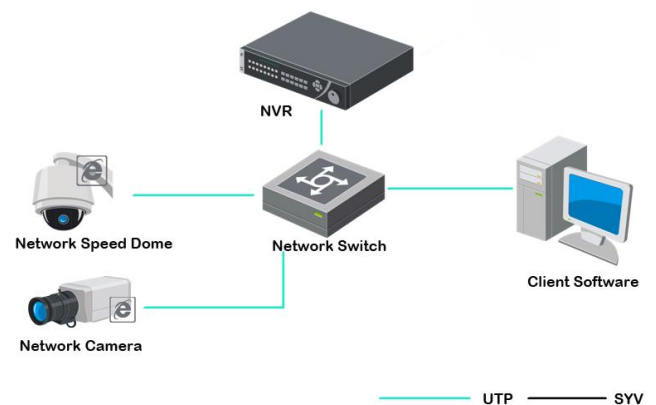


Physical Interfaces:



- ① RS-232 Serial Interface
- ② eSATA Interface
- ③ LAN1, LAN2 Network Interface
- ④ RS-485 Serial Interface, Keyboard Interface, ALARM IN and ALARM OUT
- ⑤ GND
- ⑥ 100~240VAC Power Input
- ⑦ Power Switch
- ⑧ USB Interface
- ⑨ Terminal Switch
- ⑩ Reset

Typical Application:



Specifications:

| Model | | DS-9508NI-ST | DS-9516NI-ST | DS-9532NI-ST | DS-9564NI-ST |
|----------------------|--|---|--------------|--------------|--------------|
| Video input | IP video input | 8-ch | 16-ch | 32-ch | 64-ch |
| Recording Parameters | Recording resolution | 5MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF | | | |
| | Frame rate | Main stream: 25 fps (P) / 30 fps (N) Sub-stream: 25 fps (P) / 30 fps (N) | | | |
| Network | Incoming bandwidth | 40Mbps | 80Mbps | 160Mbps | 160Mbps |
| | Outgoing bandwidth | 240Mbps | 240Mbps | 160Mbps | 160Mbps |
| | Remote Connection | 128 | | | |
| Hard disk | SATA | 8 SATA interfaces | | | |
| | eSATA | 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; RS-485 interface; Keyboard; | | | |
| | USB interface | 3 × USB 2.0 | | | |
| | Alarm in | 16 | | | |
| | Alarm out | 4 | | | |
| General | Power supply | 100 ~ 240 VAC, 6.3 A, 50 ~ 60 Hz | | | |
| | Consumption (without hard disk or DVD-R/W) | ≤ 45 W | | | |
| | Working temperature | -10 °C ~ +55 °C | | | |
| | Working humidity | 10 % ~ 90 % | | | |
| | Chassis | 19-inch rack-mounted 2U chassis | | | |
| | Dimensions (W × D × H) | 445 × 470 × 90 mm (17.52" × 18.5" × 3.54") | | | |
| | Weight | ≤ 8 Kg (17.64 lb) (without hard disk or DVD-R/W) | | | |

Note:

The formula to calculate the incoming bandwidth and the IPC 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 IPC.

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

Example: The incoming bandwidth of 9016HWI-ST HDVR is 80Mbps and the IPC to connect is with resolution of 720P (1280*720) / 25 (30) fps. The bitrate for the main stream and sub-stream of the IPC is set as 4Mbps and 1Mbps respectively.

In this example, B=80Mbps, C=4Mbps, D=1Mbps and $A = B / (C + D) = 80 / (4 + 1) = 16$. So the number of IP cameras can be connected with is 16.