

## DS-9500NI-RT Series

NVR

### Introduction:

DS-9500NI-RT 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-RT series NVR are widely applied in the areas of finance, public security, military, communication, transportation, education, etc..

### Available Models:

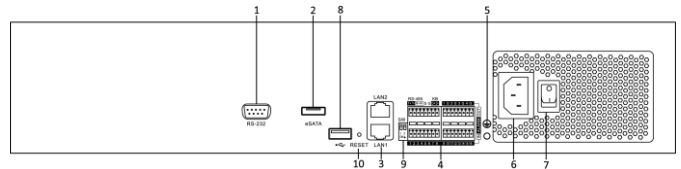
DS-9508NI-RT, DS-9516NI-RT, DS-9532NI-RT, and DS-9564NI-RT.

### 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.
- Support RAID0, RAID1, RAID5, RAID10 storage scheme. And 8 virtual disks can be configured.
- 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.

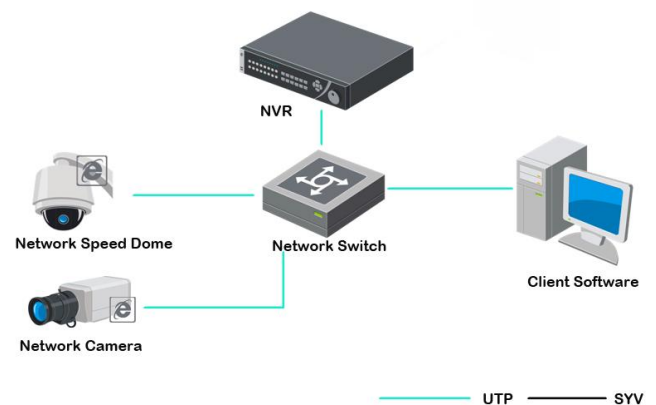


### Physical Interfaces:



- 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-RT	DS-9516NI-RT	DS-9532NI-RT	DS-9564NI-RT
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			
Disk array	Array type	RAID0, RAID1, RAID5, RAID10			
	Number of array	4			
	Number of virtual disk	8			
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.