

**DS-9000HQHI-SH Series DVR**

104-691  
DS-9008HQHI-SH



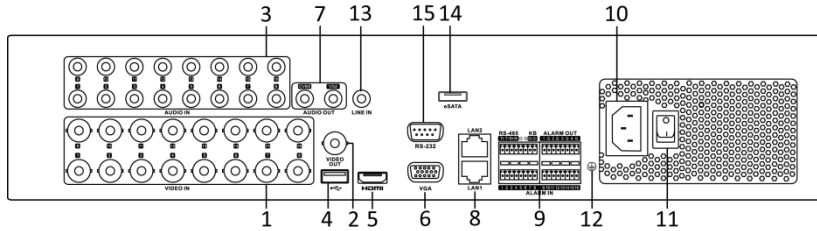
**Features and Functions**

- Connectable to HD-TVI and analog cameras;
- Support HIKVISION-C protocol for connecting camera over coax;
- Connectable to 5MP network cameras;
- Up to 32 network cameras (when all analog channels are disabled) can be added;
- Simultaneous HDMI, VGA and CVBS outputs; HDMI output and VGA output at up to 1920×1080p resolution;
- New GUI and support starting record with one key;
- Multiple recording types: manual, continuous, alarm, motion, motion | alarm, motion & alarm and VCA;
- Instant playback for assigned camera during multi-channel live view mode;
- Support up to 16-ch synchronous playback at 1080P resolution; and reverse playback for multi-channel;
- Smart playback to go through less effective information;
- Manual video quality diagnostics;
- Customization of tags, searching and playing back by tags;
- Locking and unlocking record files;
- Support VCA alarm (line crossing detection intrusion detection);
- Support HDD quota and group management; different capacity can be assigned to different cameras under quota mode;
- Up to 8 SATA interfaces and 1 eSATA interface for storage;
- Hot-swappable HDDs support RAID0, RAID1, RAID5 and RAID10 storage scheme, and up to 16 arrays can be configured.
- 2 self-adaptive 10M/100M/1000M network interfaces, and 3 working modes are configurable: multi-address, load balance, network fault tolerance;
- Support access by EZVIZ Cloud P2P;
- Support Hikvision DDNS (Dynamic Domain Name System);
- Support Channel-zero encoding to decrease the bandwidth requirement when viewing multiple cameras.

## Specifications

Model		<b>DS-9008HQHI-SH</b>		
Video/Audio input	<b>Video compression</b>	H.264		
	<b>Analog and HD-TVI video input</b>	8-ch		
		BNC interface (1.0Vp-p, 75 Ω)		
	<b>Supported camera types</b>	720p/25 Hz, 720p/30 Hz, 720p/50 Hz, 720p/60 Hz, 1080p/25 Hz, 1080p/30 Hz, CVBS		
	<b>IP video input</b>	10-ch (up to 18-ch)		
		Up to 5 MP resolution		
	<b>Audio compression</b>	G.711u		
Network	<b>Audio input</b>	8-ch		
	<b>Two-way audio in</b>	RCA (2.0 Vp-p, 1 KΩ)		
	<b>Incoming bandwidth</b>	1-ch, RCA (2.0 Vp-p, 1 KΩ)		
Video/Audio output	<b>Remote connection</b>	160 Mbps		
	<b>Network protocols</b>	128		
		TCP/IP, PPPoE, DHCP, EZVIZ Cloud P2P, DNS, DDNS, NTP, SADP, SMTP, SNMP, NFS, iSCSI, UPnP™, HTTPS		
Hard disk	<b>HDMI output</b>	1-ch		
		1920 × 1080/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz		
	<b>VGA output</b>	1-ch		
		1920 × 1080/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz		
	<b>CVBS output</b>	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480		
	<b>Encoding resolution</b>	Main stream: 1080p/720p/WD1/VGA/4CIF/CIF		
		Sub-stream: WD1 (non-real-time)/4CIF (non-real-time)/CIF/QCIF/QVGA		
	<b>Frame rate</b>	Main stream: 1/16 fps to real time frame rate		
		Sub-stream: 1/16 fps to real time frame rate		
	<b>Video bitrate</b>	32 Kbps to 10 Mbps		
	<b>Audio output</b>	2-ch, RCA (Linear, 1KΩ, for VGA output and CVBS output respectively)		
	<b>Audio bitrate</b>	64 Kbps		
	<b>Dual-stream</b>	Support		
	<b>Stream type</b>	Video, Video & Audio		
<b>Synchronous playback</b>	8-ch			
<b>Playback resolution</b>	1080p/720p/VGA/WD1/4CIF/CIF/QVGA/QCIF			
Disk array	<b>Type</b>	8 SATA interfaces for 8 HDDs; 1 eSATA interface		
	<b>Capacity</b>	Up to 6 TB capacity for each disk		
	<b>eSATA</b>	1 eSATA interface		
External interface	<b>Array type</b>	RAID0, RAID1, RAID5, RAID10		
	<b>Number of arrays</b>	16		
	<b>Network interface</b>	2; 10M/100M/1000M self-adaptive Ethernet interfaces		
	<b>Serial interface</b>	RS-232, RS-485, Keyboard		
General	<b>USB port</b>	3 × USB 2.0		
	<b>Alarm in/out</b>	16/4		
	<b>Power supply</b>	100 to 240 VAC, 47 to 63 Hz		
	<b>Consumption (without hard disks)</b>	≤ 45 W		
	<b>Working temperature</b>	-10°C to +55°C (14°F to 131°F)		
	<b>Working humidity</b>	10% to 90%		
	<b>Chassis</b>	19-inch rack-mounted 2U chassis		
General	<b>Dimensions (W × D × H)</b>	445 × 470 × 90 mm (17.5 × 18.5 × 3.5 inch)		
	<b>Weight (without hard disks)</b>	≤8 Kg (17.6 lb)		

## Physical Interfaces



Index	Description	Index	Description
1	VIDEO IN	9	RS-485 Serial Interface, Keyboard Interface, ALARM IN and ALARM OUT
2	VIDEO OUT	10	100 to 240 VAC Power Input
3	AUDIO IN, RCA Connector	11	Power Switch
4	USB Port	12	GND
5	HDMI Interface	13	LINE IN
6	VGA Interface	14	eSATA Interface
7	CVBS AUDIO OUT and VGA AUDIO OUT	15	RS-232 Serial Port
8	LAN1 LAN2 Network Interfaces		



Innovative Electronic Solutions  
www.ness.com.au



**NSW** Ph 02 8825 9222  
sales@ness.com.au

**VIC** Ph 03 9875 6400  
nessmelb@ness.com.au

**QLD** Ph 07 3399 4910  
nessbris@ness.com.au

**WA** Ph 08 9328 2511  
nessper@ness.com.au

**SA** Ph 08 8152 0000  
adelaide@ness.com.au