

## DS-9000HQHI-SH Series DVR



### Introduction:

DS-9000HQHI-SH series DVR (Digital Video Recorder) is a new generation recorder developed by Hikvision independently which can connect HD analog/network cameras and Coaxitron cameras and provide powerful surveillance. 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 devices to build a comprehensive surveillance system.

The DS-9000HQHI-SH series DVR are widely applied in the areas of finance, public security, military, communication, transportation, education, etc..

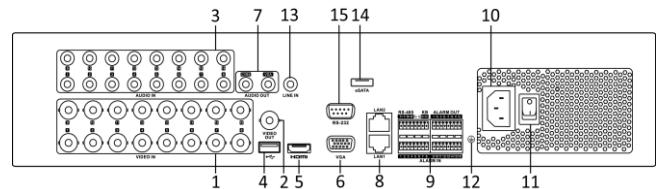
### Available Models:

DS-9004HQHI-SH, DS-9008HQHI-SH, and DS-9016HQHI-SH.

### Main Features:

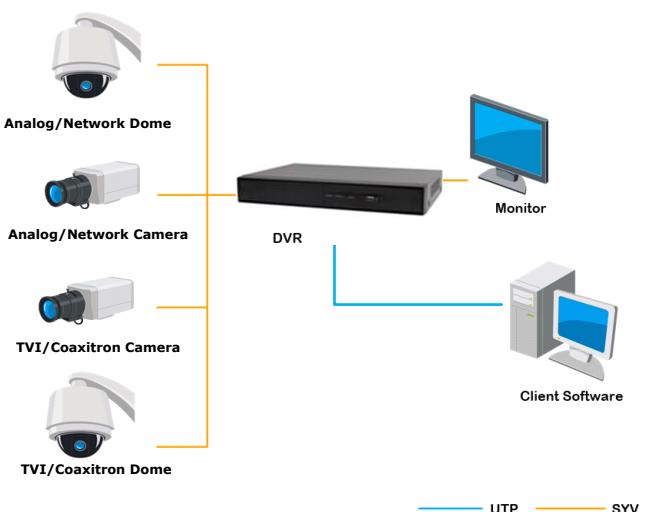
- Connectable to HD-TVI and analog cameras;
- Connectable to the Coaxitron camera/dome with long transmission distance;
- Connectable to 5MP network cameras;
- Up to 32 network cameras (when all analog channels are disabled) can be added;
- Simultaneous HDMI, VGA and CVBS outputs; HDMI output and VGA 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;
- Provide up to 8 SATA interfaces and 1 eSATA interface for record and backup;
- 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.

### Physical Interfaces:



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

### Typical Application:



**Specifications:**

Model		DS-9004HQHI-SH	DS-9008HQHI-SH	DS-9016HQHI-SH
Video/Audio input	<b>Video compression</b>	H.264		
	<b>Analog and HD-TVI video input</b>	4-ch	8-ch	16-ch
		BNC interface (1.0Vp-p, 75 Ω)		
	<b>Supported camera types</b>	720P/25Hz, 720P/30 Hz, 720P/50 Hz, 720P/60 Hz, 1080P/25 Hz, 1080P/30 Hz, CVBS		
	<b>IP video input</b>	6-ch(up to 10-ch) Up to 5MP resolution	10-ch(up to 18-ch)	18-ch(up to 32-ch)
	<b>Audio compression</b>	G.711u		
	<b>Audio input</b>	4-ch RCA (2.0 Vp-p, 1 KΩ)	8-ch	16-ch
Network	<b>Two-way audio in</b>	1-ch, RCA (2.0 Vp-p, 1 KΩ)		
	<b>Incoming bandwidth</b>	110Mbps	160Mbps	260Mbps
	<b>Remote connection</b>	128		
Video/Audio output	<b>Network protocols</b>	TCP/IP, PPPoE, DHCP, EZVIZ Cloud P2P, DNS, DDNS, NTP, SADP, SMTP, SNMP, NFS, iSCSI, UPnP™, HTTPS		
	<b>HDMI output</b>	1-ch (HDMI/VGA) 1920 × 1080 / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz	1-ch	
	<b>VGA output</b>	1-ch (HDMI/VGA) 1920 × 1080 / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz	1-ch	
	<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 ~ Real time frame rate Sub-stream: 1/16 fps ~ Real time frame rate		
	<b>Video bitrate</b>	32 Kbps~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>	4-ch	8-ch	16-ch
	<b>Playback resolution</b>	1080P / 720P / VGA / WD1 / 4CIF / CIF / QVGA / QCIF		
Hard disk	<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>Network interface</b>	2; 10M / 100M / 1000M self-adaptive Ethernet interfaces		
	<b>Serial interface</b>	RS-232, RS-485, Keyboard		
	<b>USB port</b>	3 ×USB2.0		
	<b>Alarm in / out</b>	16 / 4		
General	<b>Power supply</b>	100 ~ 240VAC, 47 ~ 63Hz		
	<b>Consumption (without hard disks)</b>	≤ 35W	≤ 45W	≤ 65W
	<b>Working temperature</b>	-10 °C ~+55 °C (14 °F ~ 131 °F)		
	<b>Working humidity</b>	10% ~ 90%		
	<b>Chassis</b>	19-inch rack-mounted 2U chassis		
	<b>Dimensions (W × D × H)</b>	445 × 470 × 90 mm (17.5 × 18.5 × 3.5 inch)		
	<b>Weight(without hard disks)</b>	≤8Kg (17.6 lb)		