

DS-9000HQHI-SH Series DVR



Features and Functions

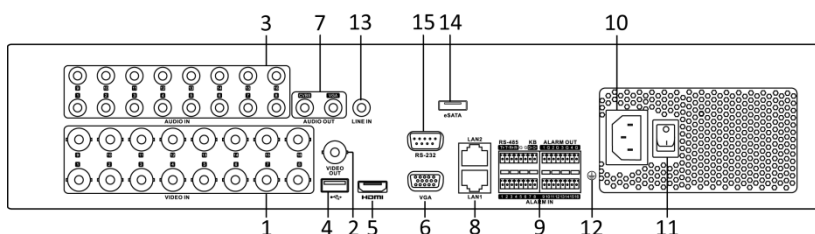
- Connectable to HD-TVI and analog cameras;
- Support HIKVISION-C protocol for connecting camera over coax;
- Connectable to 5MP network cameras;
- Up to 32 network cameras (when all analog channels are disabled) can be added;
- Simultaneous HDMI, VGA and CVBS outputs; HDMI output and VGA output at up 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		DS-9004HQHI-SH	DS-9008HQHI-SH	DS-9016HQHI-SH
Video/Audio input	Video compression	H.264		
	Analog and HD-TVI video input	4-ch	8-ch	16-ch
	Supported camera types	BNC interface (1.0Vp-p, 75 Ω) 720p/25 Hz, 720p/30 Hz, 720p/50 Hz, 720p/60 Hz, 1080p/25 Hz, 1080p/30 Hz, CVBS		
	IP video input	6-ch (up to 10-ch)	10-ch (up to 18-ch)	18-ch (up to 32-ch)
		Up to 5 MP resolution		
	Audio compression	G.711u		
	Audio input	4-ch	8-ch	16-ch
Network	Two-way audio in	RCA (2.0 Vp-p, 1 KΩ)		
	Incoming bandwidth	110 Mbps	160 Mbps	260 Mbps
	Remote connection	128		
Video/Audio output	Network protocols	TCP/IP, PPPoE, DHCP, EZVIZ Cloud P2P, DNS, DDNS, NTP, SADP, SMTP, SNMP, NFS, iSCSI, UPnP™, HTTPS		
	HDMI output	1-ch (HDMI/VGA)	1-ch	
		1920 × 1080/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz		
	VGA output	1-ch (HDMI/VGA)	1-ch	
		1920 × 1080/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz		
	CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480		
	Encoding resolution	Main stream: 1080p/720p/WD1/VGA/4CIF/CIF Sub-stream: WD1 (non-real-time)/4CIF (non-real-time)/CIF/QCIF/QVGA		
	Frame rate	Main stream: 1/16 fps to real time frame rate Sub-stream: 1/16 fps to real time frame rate		
	Video bitrate	32 Kbps to 10 Mbps		
	Audio output	2-ch, RCA (Linear, 1KΩ, for VGA output and CVBS output respectively)		
	Audio bitrate	64 Kbps		
	Dual-stream	Support		
	Stream type	Video, Video & Audio		
	Synchronous playback	4-ch	8-ch	16-ch
Hard disk	Playback resolution	1080p/720p/VGA/WD1/4CIF/CIF/QVGA/QCIF		
	Type	8 SATA interfaces for 8 HDDs; 1 eSATA interface		
	Capacity	Up to 6 TB capacity for each disk		
Disk array	eSATA	1 eSATA interface		
	Array type	RAID0, RAID1, RAID5, RAID10		
External interface	Number of arrays	16		
	Network interface	2; 10M/100M/1000M self-adaptive Ethernet interfaces		
	Serial interface	RS-232, RS-485, Keyboard		
	USB port	3 × USB 2.0		
General	Alarm in/out	16/4		
	Power supply	100 to 240 VAC, 47 to 63 Hz		
	Consumption (without hard disks)	≤ 35 W	≤ 45 W	≤ 65 W
	Working temperature	-10°C to +55°C (14°F to 131°F)		
	Working humidity	10% to 90%		
	Chassis	19-inch rack-mounted 2U chassis		
	Dimensions (W × D × H)	445 × 470 × 90 mm (17.5 × 18.5 × 3.5 inch)		
	Weight (without hard disks)	≤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		

Available Models

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

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