

## DS-9000HQHI-SH SERIES TURBO HD DVR



### Features and Functions

#### Appearance Design

- Typical chassis design to guarantee the low noise and environmental protection of the device
- Front slot of DVD-R/W for more convenient installation and maintenance

#### Video Input and Transmission

- Connectable to HDTV and analog cameras
- Up to 32-ch 5 MP IP cameras input
- Long distance transmission over UTP and coaxial cable

#### Compression and Recording

- H.264+ compression improves encoding efficiency by up to 50% and reduces data storage costs
- Full channel recording at up to 1080p resolution

#### Video Output

- Simultaneous HDMI/VGA output at up to 1920×1080 resolution for DS-9004HQHI-SH. Independent HDMI output and VGA output at up to 1920×1080 resolution respectively for DS-9008/9016HQHI-SH
- Independent CVBS output improves compatibility at the most possibility

#### Storage and Playback

- Eight SATA interfaces (up to 6 TB capacity per HDD) and 1 eSATA interface
- 4/8/16-ch synchronous playback at up to 1080p resolution
- Smart search for efficient playback
- Hot-swappable HDDs support RAID 0, RAID 1, RAID 5 and RAID 10 storage scheme. Up to 16 arrays can be configured and 16 TB capacity is allowed

#### Smart Function

- Supports multiple VCA (Video Content Analytics) events for both analog and smart IP cameras
- VQD (Video Quality Diagnostics)

#### Network & Ethernet Access

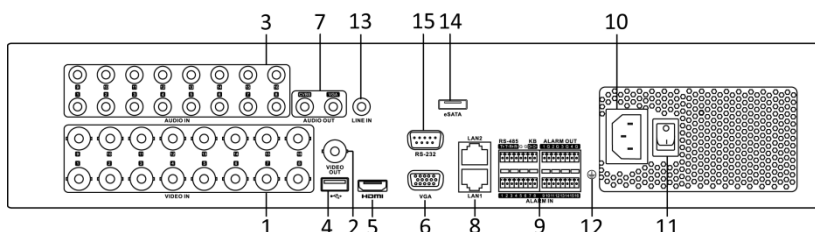
- Hik Cloud P2P & HiDDNS (Dynamic Domain Name System) for easy network management
- Two gigabit Ethernet network interfaces



## Specifications

Model		DS-9004HQHI-SH	DS-9008HQHI-SH	DS-9016HQHI-SH
Video/Audio input	Video compression	H.264+/H.264		
	Analog and HDTV video input	4-ch	8-ch	16-ch
		BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection		
	Supported camera types	720p/25Hz, 720p/30Hz, 720p/50Hz, 720p/60Hz, 1080p/25Hz, 1080p/30Hz, 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
		RCA (2.0 Vp-p, 1 KΩ)		
Video/Audio output	CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480		
	HDMI/VGA output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	<b>HDMI:</b> 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz <b>VGA:</b> 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	
	Encoding resolution	1080p/720p/VGA/WD1/4CIF/CIF		
	Frame rate	Main stream: 1080p/720p/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N)		
		Sub-stream: WD1/4CIF@12fps; CIF/QCIF/QVGA@25fps (P)/30fps (N)		
	Video bit rate	32 Kbps to 10 Mbps		
	Audio output	2-ch, RCA (Linear, 1 KΩ, for VGA and CVBS output respectively)		
	Audio bit rate	64 Kbps		
	Dual stream	Support		
	Stream type	Video, Video & Audio		
Synchronous playback		4-ch	8-ch	16-ch
	Incoming bandwidth	110 Mbps	160 Mbps	260 Mbps
		Remote connection	128	
Network protocols	TCP/IP, PPPoE, DHCP, Hik Cloud P2P, DNS, DDNS, NTP, SADP, SMTP, SNMP, NFS, iSCSI, UPnP™, HTTPS			
Hard disk	SATA	8 SATA interfaces		
	eSATA	Support		
	Capacity	Up to 6 TB capacity for each disk		
External interface	Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ), using the audio input		
	Network interface	2, RJ45 10M/100M/1000M self-adaptive Ethernet interface		
	Serial interface	RS-485, RS-232, Keyboard		
	USB interface	3 × USB 2.0		
	Alarm in/out	16/4		
General	Power supply	100 to 240 VAC		
	Consumption (without HDD)	≤ 35 W	≤ 45 W	≤ 65 W
	Working temperature	-10 °C to +55 °C (14 °F to 131 °F)		
	Working humidity	10% to 90%		
	Dimensions (W × D × H)	445 × 470 × 90 mm (17.5 × 18.5 × 3.5 inch)		
	Weight (without HDD)	≤8 kg (17.6 lb)		

## Physical Interfaces



The rear panel of DS-9004/9008HQHI-SH provides 4 /8 video input 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 Interface	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 Interface
8	LAN1 and LAN2 Network Interfaces		

## Available Models

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

Distributed by



### Headquarters

No.555 Qianmo Road, Binjiang District,  
Hangzhou 310051, China  
T +86-571-8807-5998  
overseasbusiness@hikvision.com

**Hikvision USA**  
T +1-909-895-0400  
sales.usa@hikvision.com

**Hikvision Italy**  
T +39-0438-6902  
info.it@hikvision.com

**Hikvision Singapore**  
T +65-6684-4718  
sg@hikvision.com

**Hikvision Europe**  
T +31-23-5542770  
saleseuro@hikvision.com

**Hikvision France**  
T +33(0)1-85-330-444  
info.fr@hikvision.com

**Hikvision Oceania**  
T +61-2-8599-4233  
salesau@hikvision.com

**Hikvision Middle East**  
T +971-4-8816086  
salesme@hikvision.com

**Hikvision Spain**  
T +34-91-737-16-55  
info.es@hikvision.com

**Hikvision Hong Kong**  
T +852-2151-1761

**Hikvision Russia**  
T +7-495-669-67-99  
saleru@hikvision.com

**Hikvision Poland**  
T +48-22-460-01-50  
poland@hikvision.com

**Hikvision Canada**  
T +1-909-895-0400  
sales.usa@hikvision.com

**Hikvision India**  
T +91-22-28469900  
sales@pramahikvision.com

**Hikvision UK**  
T +44-1628-9021-4  
support.uk@hikvision.com