

## DS-8100HGHI-SH SERIES TURBO HD DVR



### Features and Functions

#### Video Input and Transmission

- Connectable to HDTV and analog cameras
- Up to 5/10/18-ch 1080p IP cameras input for DS-8104/8108/8116HGHI-SH
- 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
- 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

#### Smart Function

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

#### Network & Ethernet Access

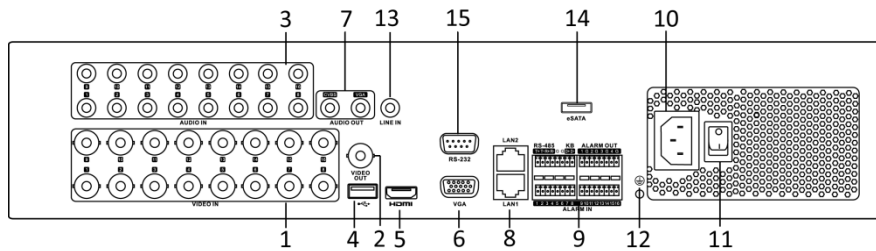
- Hik Cloud P2P & HiDDNS (Dynamic Domain Name System) for easy network management
- Two gigabit Ethernet network interfaces



## Specifications

Model		DS-8104HGHI-SH	DS-8108HGHI-SH	DS-8116HGHI-SH
Video/Audio input	Video compression	H.264+/H.264		
	Analog and HDTVI 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	1-ch (up to 5-ch)	2-ch (up to 10-ch)	2-ch (up to 18-ch)
		Up to 1080p 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	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@12fps; 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 6 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	
Network management	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)		
	Network interface	2, 10M/100M/1000M self-adaptive Ethernet interfaces		
	Serial interface	RS-232, RS-485, Keyboard		
	USB interface	3 × USB 2.0		
	Alarm in/out	16/4		
General	Power supply	100 to 240 VAC		
	Consumption (without HDD)	≤ 30 W	≤ 40 W	≤ 55 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-8104/8108HGHI-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-8104HGHI-SH, DS-8108HGHI-SH, DS-8116HGHI-SH

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