

## DS-8100HGHI-SH Series DVR



### Introduction:

DS-8100HGHI-SH series DVR (Digital Video Recorder) is a new generation recorder developed by Hikvision independently which can connect HD analog 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-8100HGHI-SH series DVR are widely applied in the areas of finance public security, military, communication, transportation, education, etc..

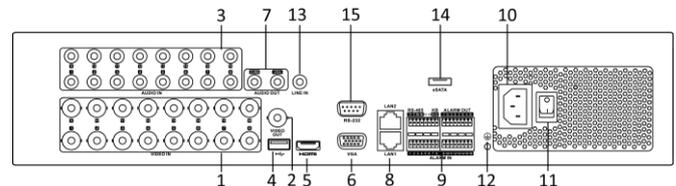
### Available Models:

DS-8104HGHI-SH, DS-8108HGHI-SH, and DS-8116HGHI-SH.

### Main Features:

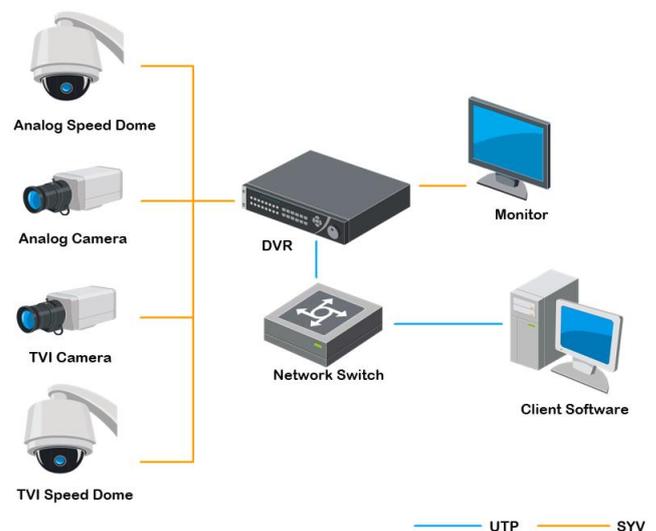
- Connectable to HD-TVI and analog cameras;
- Connectable to the Coaxitron camera/dome with long transmission distance.
- Simultaneous HDMI, VGA and CVBS outputs; HDMI output and VGA output at up to 1920×1080P resolution;
- New GUI and support starting record with one key;
- Redundant recording, holiday recording schedule configuration;
- 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 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 Hikvision DDNS (Dynamic Domain Name System);
- Network detection function;

### 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-8104HGHI-SH	DS-8108HGHI-SH	DS-8116HGHI-SH
Video/Audio input	Video compression	H.264		
	Analog and HD-TVI video input	4-ch	8-ch	16-ch
		BNC interface (1.0Vp-p, 75 Ω)		
	Supported camera types	720P25, 720P30, 720P50, 720P60, 1080P25, 1080P30, CVBS		
	Audio compression	G.711u		
	Audio input	4-ch	8-ch	16-ch
		RCA (2.0 Vp-p, 1 KΩ)		
	Two-way audio in	1-ch, RCA (2.0 Vp-p, 1 KΩ)		
Video/Audio output	HDMI / VGA output	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 (non-real-time) / 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 ~ Real time frame rate Sub-stream: 1/16 fps ~ Real time frame rate		
	Video bitrate	32 Kbps-6Mbps		
	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
	Playback resolution	1080P / 720P / VGA / WD1 / 4CIF / CIF / QVGA / QCIF		
Network management	Remote connection	128		
	Network protocols	TCP/IP, PPPoE, DHCP, DNS, DDNS, NTP, SADP, SMTP, SNMP, NFS, iSCSI, UPnP™, HTTPS		
Hard disk	Type	8 SATA interfaces for 8 HDDs; 1 eSATA interface		
	Capacity	Up to 4 TB capacity for each disk		
External interface	Network interface	2; 10M / 100M / 1000M self-adaptive Ethernet interfaces		
	Serial interface	RS-232, RS-485, Keyboard;		
	USB port	3 × USB2.0		
	Alarm in / out	16 / 4		
General	Power supply	100 ~ 240VAC, 47 ~ 63HZ		
	Consumption (without hard disks)	≤ 30W	≤ 40W	≤ 55W
	Working temperature	-10 °C ~ +55 °C (14 °F ~ 131 °F)		
	Working humidity	10% ~ 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)	≤ 8Kg (17.6 lb)		