

## DS-8100HQHI-F8/N SERIES TURBO HD DVR



### Features and Functions

#### Video Input and Compression

- Connectable to HD-TVI, AHD, network and analog cameras;
- Supports HIKVISION-C protocol for connecting camera over coax;
- H.264+/H.264 video compression, and H.264+ ensures high video quality with lower bitrates;
- Channel-zero encoding;

#### Video Output and Extranet Access

- Simultaneous HDMI, VGA and CVBS outputs, and HDMI output at up to 4K (3840 × 2160) resolution and VGA output at up to 1920 × 1080 resolution;
- Manual video quality diagnostics;
- Supports access by Hik-connect Cloud P2P;
- Supports Hikvision DDNS (Dynamic Domain Name System);

#### Video Recording and Storage

- One-key recording configurable;
- Main stream and sub-stream parameters configurable for simultaneous recording;
- Supports 1080p lite mode enabled to realize the real-time 1080p lite and 720p lite resolution;
- Supports locking and unlocking of video files;
- HDD quota and group management; different capacity can be assigned to different cameras under quota mode;
- Eight SATA interfaces provided;
- Supports POS triggered recording and alarm;
- Supports Cloud storage (One Drive, Google Drive or Drop Box);

#### Video Playback

- Instant playback for assigned camera during multi-channel live view mode;
- Up to 4/8/16-ch synchronous playback at 1080p resolution;
- Playback at up to 256X speed;
- Main stream and sub-stream selectable for local/remote playback;
- Playback by smart search and VCA search;
- Customization of tags, searching and playing back by tags;

#### Alarm

- Alarm for video loss, motion detection, video tampering, etc.;
- Supports 1-ch VCA (line crossing detection, intrusion detection or audio exception detection);
- Supports POS triggered alarm;

#### Physical Interfaces

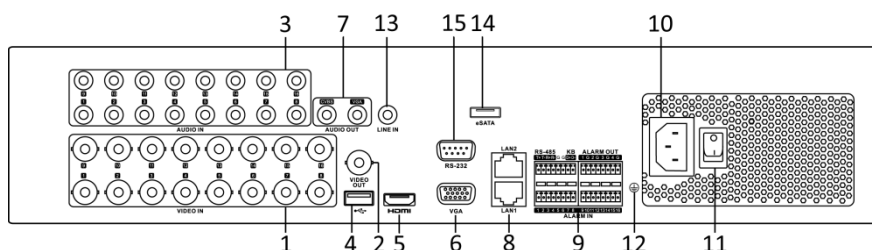
- Two RJ45 10M/100M/1000Mbps self-adaptive network interfaces.



## Specifications

Model		DS-8104HQHI-F8/N	DS-8108HQHI-F8/N	DS-8116HQHI-F8/N
Video/Audio input	Video compression	H.264+/H.264		
	Video input	4-ch	8-ch	16-ch
		BNC interface (1.0Vp-p, 75 Ω), supporting coaxitron connection		
	Supported HDTVI input	1080p/25Hz, 1080p/30Hz, 720p/25Hz, 720p/30Hz, 720P/50Hz, 720p/60Hz		
	Supported AHD input	720p/25Hz, 720p/30Hz		
	CVBS input	Support		
	IP video input	2-ch (up to 6-ch)	2-ch (up to 10-ch)	2-ch (up to 18-ch)
		Up to 4.0 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	Support		
	HDMI/VGA output	HDMI: 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60Hz, 1024 × 768/60 Hz		
		VGA: 1-ch, 1920 × 1080/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60Hz, 1024 × 768/60 Hz		
	Encoding resolution	When 1080p Lite mode not enabled: 1080p(non-real-time)/720p(non-real-time)/VGA/WD1/4CIF/CIF; When 1080p Lite mode enabled: 1080p lite/720p lite/VGA/WD1/4CIF/CIF		
	Frame rate	Main stream: 25fps(P)/30fps(N)		
		Sub-stream: WD1/4CIF (non-real-time); CIF/QVGA/QCIF (real time)		
	Video bit rate	32 Kbps to 6 Mbps		
	Audio output	2-ch, RCA (Linear, 1 KΩ)		
	Audio bit rate	64 Kbps		
	Dual-stream	Support		
	Stream type	Video, Video & Audio		
Synchronous playback	4-ch	8-ch	16-ch	
Network management	Remote connections	128		
	Network protocols	TCP/IP, PPPoE, DHCP, Hik-connect Cloud P2P, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF		
Hard disk	SATA	8 SATA interfaces		
	eSATA	Support		
	Capacity	Up to 6TB capacity		
External interface	Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ) (independent)		
	Network interface	2 RJ45 10M/100M/1000M self-adaptive Ethernet interfaces		
	USB interface	2 USB 2.0 on the front panel 1 USB 3.0 on the rear panel		
	Serial interface	1 RS-232 serial interface 1 RS-485 serial interface, full-duplex 1 RS-485 keyboard interface		
	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 (17.6lb)		

## Physical Interfaces



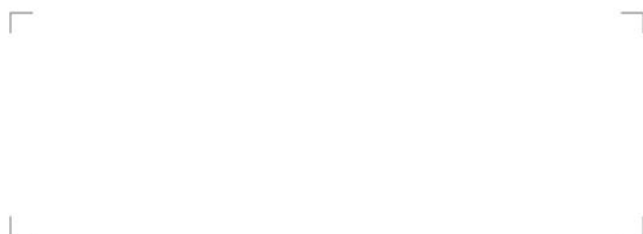
The rear panel of DS-8104HQHI-F8/N and DS-8108HQHI-F8/N provide 4 and 8 video input interfaces respectively.

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 Interface
8	LAN1 LAN2 Network Interfaces		

## Available Models

DS-8104HQHI-F8/N, DS-8108HQHI-F8/N, DS-8116HQHI-F8/N

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

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

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

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

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

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

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

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

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

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

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

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

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