

## DS-8100HUHI-F8/N 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, AHD and analog cameras
- Up to 6/10/18-ch 8 MP IP cameras input for DS-8104/8108/8116HUHI-F8/N
- Long distance transmission over UTP and coaxial cable

#### Compression and Recording

- One-key enable H.264+ compression improves encoding efficiency by up to 50% and reduces data storage costs
- Full channel recording at up to 3 MP resolution
- Supports POS triggered recording and POS information overlay

#### Video Output

- Simultaneous HDMI1 and VGA output at up to 1920 × 1080 resolution, and independent HDMI 2 output at up to 4K (3840 × 2160) resolution
- Independent CVBS output improves compatibility at the most possibility and serves as the aux output or live view output only

#### Storage and Playback

- Eight SATA interfaces (up to 6 TB capacity per HDD)
- Hot-swappable HDD supporting RAID 0, RAID 1, RAID 5, RAID 6 and RAID 10 storage scheme
- 4/8/16-ch synchronous playback
- Smart search for efficient playback
- Supports playback by main stream, or sub-stream for IP cameras
- Supports the 3<sup>rd</sup> party cloud storage (Dropbox/Google Drive/Microsoft OneDrive)

#### Smart Function

- Supports multiple VCA (Video Content Analytics) events for both analog and smart IP cameras
- Supports line crossing detection and intrusion detection of all channels
- Supports people counting and heat map functions for 1-ch analog camera
- VQD (Video Quality Diagnostics)
- Unlock pattern for device login for the *admin* and clear-text password available
- GUID file can be exported for password resetting and imported for finding the forgotten password
- Supports PTZ control via Omnicast VMS of Genetec protocol

#### Network & Ethernet Access

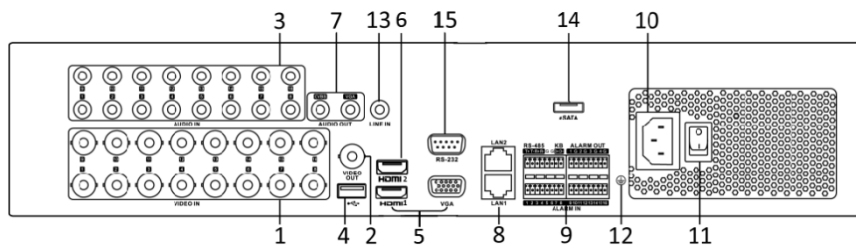
- Hik Cloud P2P & HiDDNS (Dynamic Domain Name System) for easy network management
- 2 gigabit Ethernet network interfaces
- Output bandwidth limit configurable



## Specifications

Model		DS-8104HUHI-F8/N	DS-8108HUHI-F8/N	DS-8116HUHI-F8/N	
Video/Audio input	Video compression	H.264+/H.264			
	Analog video input	4-ch	8-ch	16-ch	
	HDTVI input	BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection			
	AHD input	3 MP, 1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60			
	CVBS input	720p25, 720p30, 1080p25, 1080p30			
	IP video input	Support			
		2-ch (up to 6-ch)	2-ch (up to 10-ch)	2-ch (up to 18-ch)	
	Network bandwidth	Up to 8 MP resolution			
		H.265/H.264+/H.264			
	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			
	HDMI1/VGA output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz			
	HDMI2 output	1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz			
	Encoding resolution	3 MP/1080p/720p/WD1/4CIF/VGA/CIF			
	Frame rate	Main stream: 3 MP@15fps; 1080p/720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N)			
		Sub-stream: WD1/4CIF@12fps; CIF/QVGA/QCIF@25fps (P)/30fps (N)			
	Video bit rate	32 Kbps to 10 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 Cloud P2P, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF, SNMP			
Hard disk	SATA	8 SATA interfaces			
	eSATA	Support			
	Capacity	Up to 6 TB capacity for each disk.			
Disk array	Array type	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10			
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 interface			
	USB interface	Front panel: 2 × USB 2.0			
		Rear panel: 1 × USB 3.0			
	Serial interface	RS-232, RS-485 (full-duplex), Keyboard			
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



### NOTE

The rear panel of DS-8104/8108HUHI-F8/N 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	HDMI1/VGA Interface	13	LINE IN
6	HDMI2 Interface	14	eSATA Interface
7	CVBS AUDIO OUT and VGA AUDIO OUT	15	RS-232 Serial Interface
8	LAN1 and LAN2 Network Interfaces		

Distributed by



## Available Models

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

## HIKVISION®

### 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 Africa**  
T +27 [10] 0351172  
sale.africa@hikvision.com

**Hikvision Europe**  
T +31-23-55-42-770  
info.eu@hikvision.com

**Hikvision France**  
T +33(0)1-85-330-450  
info.fr@hikvision.com

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

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

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

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

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

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

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

**Hikvision Korea**  
T +82-31-731-8841  
sales.korea@hikvision.com

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

**Hikvision UK**  
T +01628-902140  
support.uk@hikvision.com

**Hikvision Brazil**  
T +55 11 3318-0050  
Latam.support@hikvision.com