

## DS-7300HUHI-F4/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-7304/7308/7316HUHI-F4/N
- 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 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

#### Storage and Playback

- Four 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
- VQD (Video Quality Diagnostics)

#### Network & Ethernet Access

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



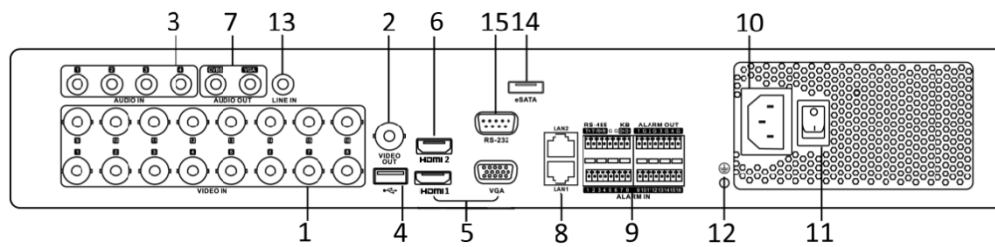
## Specifications

Model		DS-7304HUHI-F4/N	DS-7308HUHI-F4/N	DS-7316HUHI-F4/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, 1080p/25Hz, 1080p/30Hz, 720p/25Hz, 720p/30Hz, 720P/50Hz, 720p/60Hz		
	CVBS input	720p/25Hz, 720p/30Hz		
	IP video input	Support		
	Audio compression	2-ch (up to 6-ch)      2-ch (up to 10-ch)      2-ch (up to 18-ch)		
	Audio input	Up to 8 MP resolution H.265/H.264+/H.264		
Video/Audio output	CVBS output	G.711u		
	HDMI1/VGA output	4-ch, RCA (2.0 Vp-p, 1 KΩ)		
	HDMI2 output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480		
	Encoding resolution	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz		
	Frame rate	1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz		
	Video bit rate	3 MP/1080p/720p/WD1/4CIF/VGA/CIF		
	Audio output	Main stream: 3 MP@15fps; 1080p/720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N)		
	Audio bit rate	Sub-stream: WD1/4CIF@12fps; CIF/QVGA/QCIF@25fps (P)/30fps (N)		
	Dual stream	32 Kbps to 10 Mbps		
	Stream type	2-ch, RCA (Linear, 1 KΩ)		
	Synchronous playback	64 Kbps		
	Network management	Remote connections	Support	
Network protocols		Video, Video & Audio		
Hard disk	SATA	4-ch		
	eSATA	8-ch		
	Capacity	16-ch		
Disk array	Array type	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10		
	Number of arrays	16		
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 × 390 × 70 mm (17.5 × 15.4 × 2.8 inch)		
	Weight (without HDD)	≤ 5 kg (11.0 lb)		



For 7300HUHI-F4/N series DVR, TVI and AHD signals cannot be mixed randomly. Each two video channels should be grouped in sequence, e.g., CH01 and CH02, CH03 and CH04..., and each two channels in the same group must be connected with the same type of video source selected on GUI. For example, when the TVI/CVBS signal mode is selected, then either TVI or CVBS signal input can be connected to the channels in the same group; and when the AHD signal mode is selected, only the AHD signal input can be connected. The above information is for reference only. Please refer to the specific configuration of the device.

## Physical Interfaces



The rear panel of DS-7304/7308HUHI-F4/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		

## Available Models

DS-7304HUHI-F4/N, DS-7308HUHI-F4/N, DS-7316HUHI-F4/N

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