

## DS-7200HUHI-F2/S SERIES TURBO HD DVR



### Features and Functions

#### Video Input and Transmission

- Self-adaptive Turbo HD/AHD/CVBS signal input
- Up to 2-ch 4 MP IP cameras input
- 5 MP/4 MP Turbo HD video input and live view
- 20 fps in live view for the 5 MP/20 signal input, and real-time frame rate in live view for the 4 MP/25 and 4 MP/30 signal inputs
- Defogging function enabled for the supported analog cameras
- Long distance transmission over UTP and coaxial cable: max. 800m for 1080p and 1200m for 720p Turbo HD signal

#### Compression and Recording

- One-key enable H.264+ compression to improve encoding efficiency by up to 50% and reduce data storage costs
- Full channel recording at up to 5 MP resolution

#### Video Output

- Simultaneous HDMI/VGA output
- HDMI output at up to 4K (3840 × 2160) resolution (DS-7208HUHI-F2/S and DS-7216HUHI-F2/S)
- Independent CVBS output improves compatibility at the most possibility and serves as the aux output or live view output only

#### Storage and Playback

- Two SATA interfaces (up to 6 TB capacity per HDD)
- 4/8/16-ch synchronous playback
- Smart search for efficient playback
- 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
- VCA information overlay in live view and smart playback
- VQD (Video Quality Diagnostics)
- Supports PTZ control via Omnicast VMS of Genetec protocol

#### Network & Ethernet Access

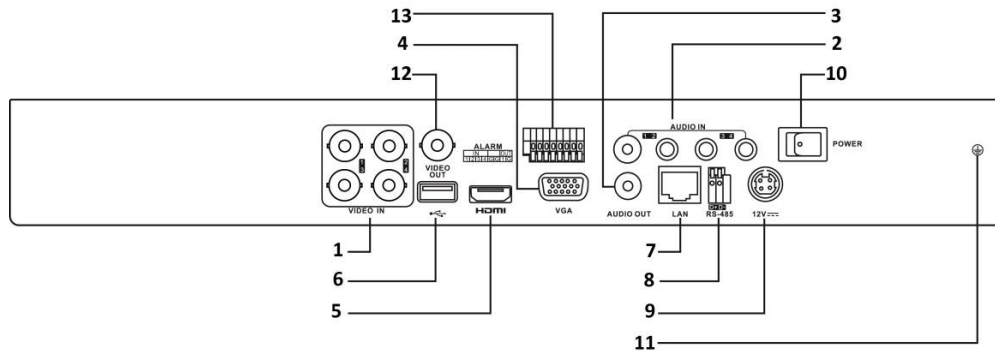
- Hik Cloud P2P & DDNS (Dynamic Domain Name System) for easy network management
- One gigabit Ethernet network interface ( for DS-7208/7216HUHI-F2/S)
- Output bandwidth limit configurable



## Specifications

Model		DS-7204HUHI-F2/S	DS-7208HUHI-F2/S	DS-7216HUHI-F2/S	
<b>Video/Audio input</b>	<b>Video compression</b>	H.264+/H.264			
	<b>Analog video input</b>	4-ch	8-ch	16-ch	
		BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection			
	<b>Turbo HD input</b>	5 MP20, 5 MP12, 4 MP25, 4 MP30, 3 MP18, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25, NTSC, PAL			
	<b>AHD input</b>	1080p25, 1080p30, 720p25, 720p30			
	<b>CVBS input</b>	Support			
	<b>IP video input</b>	2-ch Up to 4 MP resolution			
		<b>Audio compression</b>	G.711u		
<b>Video/Audio output</b>	<b>Audio input</b>	4-ch, RCA (2.0 Vp-p, 1 KΩ)			
	<b>CVBS output</b>	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480			
	<b>HDMI/VGA output</b>	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	<b>VGA:</b> 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz <b>HDMI:</b> 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz		
	<b>Encoding resolution</b>	5 MP/4 MP/3 MP/1080p/720p/WD1/4CIF/VGA/CIF			
	<b>Frame rate</b>	Main stream: 5 MP@10fps/4 MP@15fps/3 MP@15fps 1080p/720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N) Sub-stream: WD1/4CIF@12 fps; CIF/QVGA/QCIF@25fps (P)/30fps (N)			
	<b>Video bit rate</b>	32 Kbps to 10 Mbps			
	<b>Audio output</b>	1-ch, RCA (Linear, 1 KΩ)			
	<b>Audio bit rate</b>	64 Kbps			
	<b>Dual stream</b>	Support			
	<b>Stream type</b>	Video, Video & Audio			
	<b>Synchronous playback</b>	4-ch	8-ch	16-ch	
	<b>Network management</b>	<b>Remote connections</b>	128		
		<b>Network protocols</b>	TCP/IP, PPPoE, DHCP, Hik Cloud P2P, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF		
	<b>Hard disk</b>	<b>SATA</b>	2 SATA interfaces		
		<b>Capacity</b>	Up to 6 TB capacity for each disk		
<b>External interface</b>	<b>Two-way audio input</b>	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the 1 <sup>st</sup> audio input)			
	<b>Network interface</b>	1, RJ45 10M/100M self-adaptive Ethernet interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface		
	<b>USB interface</b>	2 × USB 2.0	Front panel: 1 × USB 2.0 Rear panel: 1 × USB 3.0		
	<b>Serial interface</b>	RS-485 (half-duplex)			
	<b>Alarm in/out</b>	4/1	8/4	16/4	
<b>General</b>	<b>Power supply</b>	12 VDC			
	<b>Consumption (without HDD)</b>	≤ 15 W	≤ 20 W	≤ 25 W	
	<b>Working temperature</b>	-10 °C to +55 °C (14 °F to 131 °F)			
	<b>Working humidity</b>	10% to 90%			
	<b>Dimensions (W × D × H)</b>	380 × 320 × 48 mm (15.0 × 12.6 × 1.9 inch)			
	<b>Weight (without HDD)</b>	≤ 1.5 kg (3.3 lb)	≤ 2 kg (4.4 lb)		

## Physical Interfaces



### NOTE

The rear panels of DS-7208/7216HUHI-F2/S provide 8/16 video input interfaces.

Index	Description	Index	Description
1	VIDEO IN	8	RS-485 Serial Interface
2	AUDIO IN, RCA Connector	9	12 VDC Power Input
3	AUDIO OUT, RCA Connector	10	Power Switch
4	VGA Interface	11	GND
5	HDMI Interface	12	VIDEO OUT
6	USB Interface	13	Alarm In/Out
7	LAN Network Interface		

## Available Models

DS-7204HUHI-F2/S, DS-7208HUHI-F2/S, DS-7216HUHI-F2/S

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