DS-7204HUHI-F1/N
3MP TVI DVR 4ch

104-746
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3MP TVI DVR

Features and Functions

Video Input and Transmission

- Connectable to HDTVI, AHD and analog cameras
- Up to 2-ch 4 MP IP cameras input
- 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

Video Output

- Simultaneous HDMI/VGA output at up to 1920 × 1080 resolution for DS-7204HUHI-F1/N and 4K (3840 × 2160) resolution for HDMI output of DS-7208HUHI-F1/N
- Independent CVBS output improves compatibility at the most possibility

Storage and Playback

- One SATA interface (up to 6 TB capacity per HDD)
- 4/8-ch synchronous playback
- Smart search for efficient playback
- Supports the 3rd 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
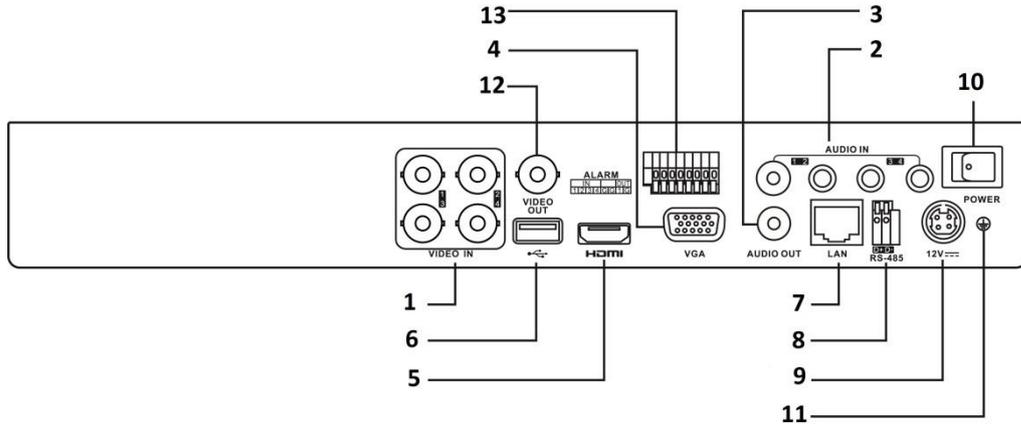- One gigabit Ethernet network interface (for DS-7208HUHI-F1/N)

Specifications

Model		DS-7204HUHI-F1/N	DS-7208HUHI-F1/N
Video/Audio input	**Video compression**	H.264+/H.264	
	Analog video input	4-ch	8-ch
		BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection	
	HDTVI input	1080p/25Hz, 1080p/30Hz, 720p/25Hz, 720p/30Hz, 720P/50Hz, 720p/60Hz, 3 MP	
	AHD input	720p/25Hz, 720p/30Hz	
	CVBS input	Support	
	IP video input	2-ch	
		Up to 4 MP resolution	
	Audio compression	G.711u	
	Audio input	4-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	
	HDMI/VGA output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	**VGA**: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
			HDMI: 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	1-ch, RCA (Linear, 1 KΩ)	
	Audio bit rate	64 Kbps	
	Dual stream	Support	
	Stream type	Video, Video & Audio	
	Synchronous playback	4-ch	8-ch
Network management	**Remote connections**	128	
	Network protocols	TCP/IP, PPPoE, DHCP, Hik Cloud P2P, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF	
Hard disk	**SATA**	1 SATA interface	
	Capacity	Up to 6 TB capacity for each disk	
External interface	**Two-way audio input**	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the audio input)	
	Network interface	1, RJ45 10M/100M self-adaptive Ethernet interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface
	USB interface	2 × USB 2.0	Front panel: 1 × USB 2.0 Rear panel: 1 × USB 3.0
	Serial interface	RS-485 (half-duplex)	
	Alarm in/out	4/1	8/4
General	**Power supply**	12 VDC	
	Consumption (without HDD)	≤ 15 W	≤ 20 W
	Working temperature	-10 ºC to +55 ºC (14 ºF to 131 ºF)	
	Working humidity	10% to 90%	
	Dimensions (W × D × H)	315 × 242 × 45 mm (12.4 × 9.5 × 1.8 inch)	
	Weight (without HDD)	≤ 1.5 kg (3.3 lb)	≤ 2 kg (4.4 lb)

NOTE Each two video channels are 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

NOTE The rear panel of DS-7208HUHI-F1/N provides 8 video input interfaces.

Index	Description	Index	Description
1	VIDEO IN	**8**	RS-485 Serial Interface
2	AUDIO IN, RCA Connector	**9**	12VDC 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		

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