

DS-7200HQHI-F1/N SERIES TURBO HD DVR

Features and Functions



Video Input and Transmission

- Connectable to HDTV, AHD and analog cameras
- Up to 2-ch 1080p IP cameras input for DS-7208/7216HQHI-F1/N
- Long distance transmission over UTP and coaxial cable with max. 1200m for the 720p and max. 800m for the 1080p HDTV signal

Compression and Recording

- One-key enable H.264+ compression to improve encoding efficiency by up to 50% and reduce data storage costs
- Up to 3 MP resolution for recording of the first channel of DS-7204HQHI-F1/N, the first 2 channels of DS-7208HQHI-F1/N, and the first 4 channels of DS-7216HQHI-F1/N
- Supports real-time 1080p lite and when enabled, the image effect is similar with 1080p

Video Output

- Simultaneous HDMI/VGA output at up to 1920 × 1080 resolution for DS-7204/7208HQHI-F1/N and 4K (3840 × 2160) resolution for HDMI output of DS-7216HQHI-F1/N
- Independent CVBS output improves compatibility at the most possibility and serves as the aux output or live view output only

Storage and Playback

- One SATA interface (up to 6 TB capacity per HDD)
- 4/8/16-ch synchronous playback
- Smart search for efficient playback

Smart Function

- Supports multiple VCA (Video Content Analytics) events for both analog and smart IP cameras
- Supports 2-ch line crossing detection and intrusion detection
- 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

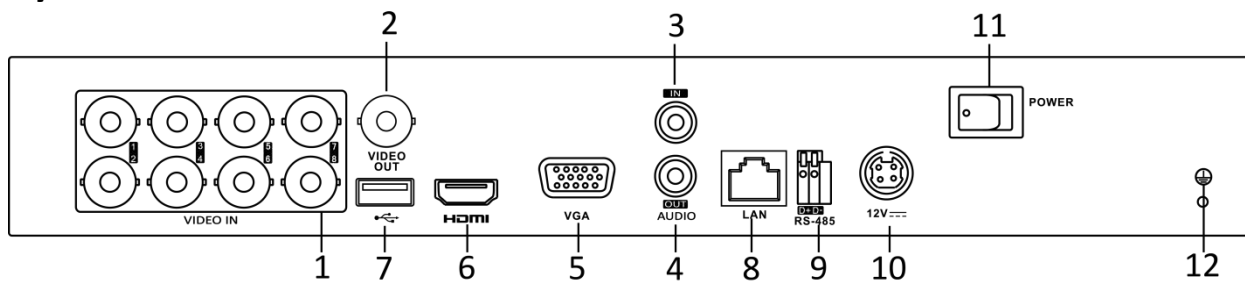
- Hik Cloud P2P & HiDDNS (Dynamic Domain Name System) for easy network management
- 1 gigabit Ethernet network interface (for DS-7216HQHI-F1/N)
- Output bandwidth limit configurable



Specifications

Model		DS-7204HQHI-F1/N	DS-7208HQHI-F1/N	DS-7216HQHI-F1/N
Video/Audio input	Video compression	H.264+/H.264		
	Analog video input	4-ch	8-ch	16-ch
	HDTVI input	3 MP, 1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60 Note: The 3 MP signal input is only available for the first channel of DS-7204HQHI-F1/N, the first 2 channels of DS-7208HQHI-F1/N, and the first 4 channels of DS-7216HQHI-F1/N.		
	AHD input	1080p25, 1080p30, 720p25, 720p30		
	CVBS input	Support		
	IP video input	1-ch	2-ch	
		Up to 1080p resolution		
	Audio compression	G.711u		
Audio input/Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 K Ω)			
Video/Audio output	CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 \times 576, NTSC: 704 \times 480		
	HDMI/VGA output	1-ch, 1920 \times 1080/60Hz, 1280 \times 1024/60Hz, 1280 \times 720/60Hz, 1024 \times 768/60Hz		HDMI: 1-ch, 4K (3840 \times 2160)/30Hz, 2K (2560 \times 1440)/60Hz, 1920 \times 1080/60Hz, 1280 \times 1024/60Hz, 1280 \times 720/60Hz, 1024 \times 768/60Hz VGA: 1-ch, 2K (2560 \times 1440)/60Hz, 1920 \times 1080/60Hz, 1280 \times 1024/60Hz, 1280 \times 720/60Hz, 1024 \times 768/60Hz
	Encoding resolution	When 1080p Lite mode not enabled: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF; When 1080p Lite mode enabled: 3 MP/1080p lite/720p/VGA/WD1/4CIF/CIF		
	Frame rate	Main stream: When 1080p Lite mode not enabled: For 3 MP stream access: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF@12fps For 1080p stream access: 1080p/720p@12fps; VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) When 1080p Lite mode enabled: 3 MP/1080p lite/720p/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) Sub-stream: WD1/4CIF/2CIF@12fps; CIF/QVGA/QCIF@25fps (P)/30fps (N)		
	Video bit rate	32 Kbps to 6 Mbps		
	Audio output	1-ch, RCA (Linear, 1 K Ω)		
	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		
Hard disk	SATA	1 SATA interface		
	Capacity	Up to 6 TB capacity for each disk		
External interface	Network interface	1, RJ45 10M/100M self-adaptive Ethernet interface		1, RJ45 10M/100M/1000M self-adaptive Ethernet interface
	USB interface	2 \times USB 2.0		Front panel: 1 \times USB 2.0 Rear panel: 1 \times USB 3.0
	Serial interface	RS-485 (half-duplex)		
General	Power supply	12 VDC		
	Consumption (without HDD)	\leq 15 W	\leq 20 W	\leq 30 W
	Working temperature	-10 $^{\circ}$ C to +55 $^{\circ}$ C (14 $^{\circ}$ F to 131 $^{\circ}$ F)		
	Working humidity	10% to 90%		
	Dimensions (W \times D \times H)	315 \times 242 \times 45 mm (12.4 \times 9.5 \times 1.8 inch)		
	Weight (without HDD)	\leq 2 kg (4.4 lb)	\leq 2 kg (4.4 lb)	\leq 2 kg (4.4 lb)

Physical Interfaces



NOTE

The rear panel of DS-7204/7216HQHI-F1/N provide 4/16 video input interfaces.

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

Available Models

DS-7204HQHI-F1/N, DS-7208HQHI-F1/N, DS-7216HQHI-F1/N

Distributed by



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