

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

Features and Functions

Video Input and Transmission

- Connectable to HDTVI, 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 HDTVI 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



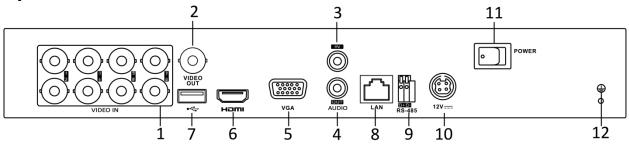


Specifications

Model		DS-7204HQHI-F1/N	DS-7208HQHI-F1/N	DS-7216HQHI-F1/N			
	Video compression	H.264+/H.264					
	Analog video	4-ch 8-ch 16-ch					
	input	BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection					
Video/Audio input	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 Audio	G.711u					
	input/Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)					
	CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), res	solution: PAL: 704 × 576, NTSC:				
	HDMI/VGA output	1-ch, 1920 × 1080/60Hz, 1 720/60Hz, 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 VGA: 1-ch, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz				
	Encoding		When 1080p Lite mode not enabled: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF;				
	resolution	When 1080p Lite mode enable Main stream:	ed: 3 MP/1080p lite/720p/VGA,	/WD1/4CIF/CIF			
Video/Audio output	Frame rate	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:					
	Mide - bit	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 KΩ)					
		64 Kbps					
	Audio bit rate	•	Support				
	Dual stream	Support					
	Dual stream Stream type	•					
	Dual stream	Support	8-ch	16-ch			
Network	Dual stream Stream type Synchronous	Support Video, Video & Audio	8-ch	16-ch			
Network management	Dual stream Stream type Synchronous playback Remote	Support Video, Video & Audio 4-ch 128		16-ch FS, iSCSI, UPnP™, HTTPS, ONVIF			
management	Dual stream Stream type Synchronous playback Remote connections Network protocols	Support Video, Video & Audio 4-ch 128					
	Dual stream Stream type Synchronous playback Remote connections Network	Support Video, Video & Audio 4-ch 128 TCP/IP, PPPoE, DHCP, Hik Cloud	d P2P, DNS, DDNS, NTP, SADP, N				
management Hard disk	Dual stream Stream type Synchronous playback Remote connections Network protocols SATA	Support Video, Video & Audio 4-ch 128 TCP/IP, PPPoE, DHCP, Hik Cloud 1 SATA interface	d P2P, DNS, DDNS, NTP, SADP, N				
management	Dual stream Stream type Synchronous playback Remote connections Network protocols SATA Capacity Network	Support Video, Video & Audio 4-ch 128 TCP/IP, PPPoE, DHCP, Hik Cloud 1 SATA interface Up to 6 TB capacity for each di	d P2P, DNS, DDNS, NTP, SADP, N	FS, iSCSI, UPnP™, HTTPS, ONVIF 1, RJ45 10M/100M/1000M self-adaptive Ethernet interface Front panel: 1 × USB 2.0			
management Hard disk	Dual stream Stream type Synchronous playback Remote connections Network protocols SATA Capacity Network interface	Support Video, Video & Audio 4-ch 128 TCP/IP, PPPoE, DHCP, Hik Cloud 1 SATA interface Up to 6 TB capacity for each di 1, RJ45 10M/100M self-adapti	d P2P, DNS, DDNS, NTP, SADP, N	FS, iSCSI, UPnP™, HTTPS, ONVIF 1, RJ45 10M/100M/1000M self-adaptive Ethernet interface			
management Hard disk	Dual stream Stream type Synchronous playback Remote connections Network protocols SATA Capacity Network interface USB interface	Support Video, Video & Audio 4-ch 128 TCP/IP, PPPOE, DHCP, Hik Cloud 1 SATA interface Up to 6 TB capacity for each di 1, RJ45 10M/100M self-adapti 2 × USB 2.0	d P2P, DNS, DDNS, NTP, SADP, N	FS, iSCSI, UPnP™, HTTPS, ONVIF 1, RJ45 10M/100M/1000M self-adaptive Ethernet interface Front panel: 1 × USB 2.0			
management Hard disk	Dual stream Stream type Synchronous playback Remote connections Network protocols SATA Capacity Network interface USB interface Serial interface	Support Video, Video & Audio 4-ch 128 TCP/IP, PPPOE, DHCP, Hik Cloud 1 SATA interface Up to 6 TB capacity for each di 1, RJ45 10M/100M self-adapti 2 × USB 2.0 RS-485 (half-duplex)	d P2P, DNS, DDNS, NTP, SADP, N	FS, iSCSI, UPnP™, HTTPS, ONVIF 1, RJ45 10M/100M/1000M self-adaptive Ethernet interface Front panel: 1 × USB 2.0			
management Hard disk External interface	Dual stream Stream type Synchronous playback Remote connections Network protocols SATA Capacity Network interface USB interface Serial interface Power supply Consumption (without HDD) Working	Support Video, Video & Audio 4-ch 128 TCP/IP, PPPOE, DHCP, Hik Cloud 1 SATA interface Up to 6 TB capacity for each di 1, RJ45 10M/100M self-adapti 2 × USB 2.0 RS-485 (half-duplex) 12 VDC	d P2P, DNS, DDNS, NTP, SADP, N isk ive Ethernet interface ≤ 20 W	FS, iSCSI, UPnP™, HTTPS, ONVIF 1, RJ45 10M/100M/1000M self-adaptive Ethernet interface Front panel: 1 × USB 2.0 Rear panel: 1 × USB 3.0			
management Hard disk	Dual stream Stream type Synchronous playback Remote connections Network protocols SATA Capacity Network interface USB interface Serial interface Power supply Consumption (without HDD)	Support Video, Video & Audio 4-ch 128 TCP/IP, PPPOE, DHCP, Hik Cloud 1 SATA interface Up to 6 TB capacity for each di 1, RJ45 10M/100M self-adapti 2 × USB 2.0 RS-485 (half-duplex) 12 VDC ≤ 15 W	d P2P, DNS, DDNS, NTP, SADP, N isk ive Ethernet interface ≤ 20 W	FS, iSCSI, UPnP™, HTTPS, ONVIF 1, RJ45 10M/100M/1000M self-adaptive Ethernet interface Front panel: 1 × USB 2.0 Rear panel: 1 × USB 3.0			
management Hard disk External interface	Dual stream Stream type Synchronous playback Remote connections Network protocols SATA Capacity Network interface USB interface Serial interface Power supply Consumption (without HDD) Working temperature Working	Support Video, Video & Audio 4-ch 128 TCP/IP, PPPOE, DHCP, Hik Cloud 1 SATA interface Up to 6 TB capacity for each di 1, RJ45 10M/100M self-adapti 2 × USB 2.0 RS-485 (half-duplex) 12 VDC ≤ 15 W -10 °C to +55 °C (14 °F to 131	d P2P, DNS, DDNS, NTP, SADP, N isk ive Ethernet interface ≤ 20 W □F)	FS, iSCSI, UPnP™, HTTPS, ONVIF 1, RJ45 10M/100M/1000M self-adaptive Ethernet interface Front panel: 1 × USB 2.0 Rear panel: 1 × USB 3.0			



Physical Interfaces





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

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