

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

### Features and Functions

#### Video Input and Transmission

- Connectable to HDTV, AHD, HDCVI 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
- 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

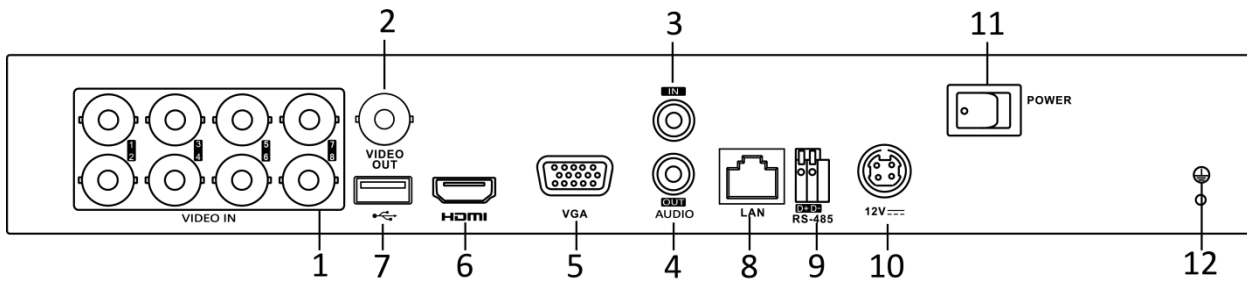
- Hik Cloud P2P & HiDDNS (Dynamic Domain Name System) for easy network management
- 1 gigabit Ethernet network interface (for DS-7216HQHI-F1/N)
- Output bandwidth limit configurable



# 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	1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60			
	AHD input	1080p25, 1080p30, 720p25, 720p30			
	HDCVI 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 $\Omega$ )				
Video/Audio output	CVBS output	1-ch, BNC (1.0 Vp-p, 75 $\Omega$ ), 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		<b>HDMI:</b> 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 <b>VGA:</b> 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: 1080p/720p/VGA/WD1/4CIF/CIF; When 1080p Lite mode enabled: 1080p lite/720p/VGA/WD1/4CIF/CIF			
	Frame rate	Main stream: When 1080p Lite mode not enabled: 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: 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 $\Omega$ )			
	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