

## DS-7200HQHI-K/P SERIES TURBO HD DVR



### Features and Functions

#### Video Input and Transmission

- Self-adaptive normal camera and Hikvision PoC camera connection
- Up to 1-ch 4 MP IP cameras input for DS-7204HQHI-K1/P, and 2-ch 4 MP IP cameras input for DS-7208/7216HQHI-K2/P
- Long distance transmission over coaxial cable: max. 800m for 1080p and 1200m for 720p HDTV signal, and 200m for PoC camera
- Automatic power supply management for PoC camera to guarantee safety

#### Compression and Recording

- H.265+/H.265/H.264+/H.264 encoding for the main stream, and H.265/H.264 for the sub-stream of analog cameras
- Connectable to H.265+/H.265/H.264+/H.264 IP cameras
- H.265+ can be enabled to improve encoding efficiency and reduce data storage costs
- Up to 3 MP resolution for recording
- Supports real-time 1080p lite and when enabled, the image effect is similar with 1080p

#### Video Output

- Simultaneous HDMI/VGA output
- HDMI output at up to 4K (3840 × 2160) resolution for DS-7216HQHI-K2/P
- Separate CVBS output

#### Storage and Playback

- One SATA interface for DS-7204HQHI-K1/P, and two SATA interfaces for DS-7208/7216HQHI-K2/P (up to 6 TB capacity per HDD)
- 4/8/16-ch synchronous playback
- Smart search for efficient playback
- Supports third-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 4-ch line crossing detection and intrusion detection, and DS-7216HQHI-K2/P also supports 1-ch sudden scene change detection
- VQD (Video Quality Diagnostics)
- Supports PTZ control via Omnicast VMS of Genetec protocol

#### Network & Ethernet Access

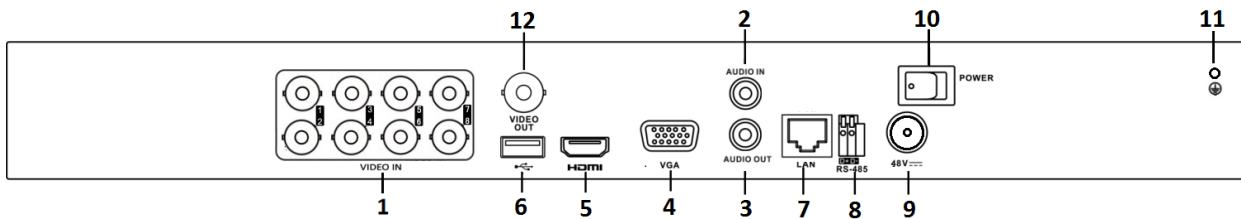
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- One RJ45 10M/100M Ethernet network interface for DS-7204/7208HQHI-K/P, and one RJ45 10M/100M/1000M Ethernet network interface for DS-7216HQHI-K2/P
- Output bandwidth limit configurable



## Specifications

Model		DS-7204HQHI-K1/P	DS-7208HQHI-K2/P	DS-7216HQHI-K2/P
Video/Audio input	Video compression	H.265+/H.265/H.264+/H.264		
	Analog video input	4-ch	8-ch	16-ch
	HDTVI input	3 MP, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25 <b>Note:</b> The 3 MP signal input is only available for channel 1 of DS-7204HQHI-K1/P, channel 1/2 of DS-7208HQHI-K2/P, and channel 1/2/3/4 of DS-7216HQHI-K2/P..		
	AHD input	1080p25, 1080p30, 720p25, 720p30		
	HDCVI input	1080p25, 1080p30, 720p25, 720p30		
	CVBS input	PAL/NTSC		
	PoC camera input	Supports Hikvision PoC camera <b>Note:</b> Do not unplug or plug the PoC camera if it is powered by the external power supply.		
	IP video input	1-ch	2-ch	
		Up to 4 MP resolution Supports H.265+/H.265/H.264+/H.264 IP cameras		
	Audio compression	G.711u		
	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 $\times$ 720/60Hz, 1024 $\times$ 768/60Hz	<b>VGA:</b> 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	
	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 lite/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@15fps For 1080p stream access: 1080p/720p@15fps; 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@15fps; 1080p lite/720p lite/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) Sub-stream: WD1/4CIF@12fps; CIF@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-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF		
Hard disk	SATA	1 SATA interface	2 SATA interfaces	
	Capacity	Up to 6 TB capacity for each disk		
External interface	Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 K $\Omega$ ) (using the 1 <sup>st</sup> audio input)		
	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	48 VDC		
	Consumption (without HDD)	$\leq$ 40 W	$\leq$ 60 W	$\leq$ 120 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)	380 $\times$ 320 $\times$ 48 mm (15.0 $\times$ 12.6 $\times$ 1.9 inch)	
	Weight (without HDD)	$\leq$ 1.16 kg (2.6 lb)	$\leq$ 1.78 kg (3.9 lb)	$\leq$ 2 kg (4.4 lb)

## Physical Interfaces



**NOTE** The rear panel of DS-7204HQHI-K1/P and DS-7216HQHI-K2/P provides 4/16 video input interfaces.

Index	Description	Index	Description
1	VIDEO IN	7	LAN Network Interface
2	AUDIO IN, RCA Connector	8	RS-485 Serial Interface
3	AUDIO OUT, RCA Connector	9	48 VDC Power Input
4	VGA Interface	10	Power Switch
5	HDMI Interface	11	GND
6	USB Interface	12	VIDEO OUT

## Available Models

DS-7204HQHI-K1/P, DS-7208HQHI-K2/P, DS-7216HQHI-K2/P

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