

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

### Features and Functions



#### Video Input and Transmission

- Self-adaptive normal camera and Hikvision PoC camera connection
- Long distance transmission over coaxial cable: max. 800 m for 1080p and 1200m for 720p HDTVI signal, and 200m for PoC camera
- Automatic power supply management for PoC camera to guarantee safety

#### Compression and Recording

- H.265 Pro+/H.265 Pro/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
- Full channel recording at up to 4 MP lite resolution
- Supports real-time 1080p lite. When 1080p lite is on, 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 10 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

#### Network & Ethernet Access

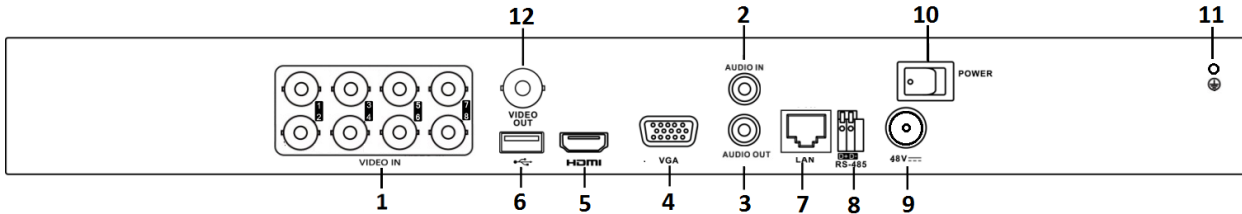
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- One RJ45 10M/100M Ethernet network interface for DS-7204/7208HQHI-K/P, and one RJ45 10M/100M/1000M Ethernet network interface for DS-7216HQHI-K2/P
- Output bandwidth limit configurable



## Specifications

Model	DS-7204HQHI-K1/P	DS-7208HQHI-K2/P	DS-7216HQHI-K2/P	
<b>Video/Audio input</b>	<b>Video compression</b>	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264		
	<b>Analog video input</b>	4-ch	8-ch	16-ch
	<b>HDTVI input</b>	4 MP, 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..		
	<b>AHD input</b>	4 MP, 1080p25, 1080p30, 720p25, 720p30		
	<b>HDCVI input</b>	1080p25, 1080p30, 720p25, 720p30		
	<b>CVBS input</b>	PAL/NTSC		
	<b>PoC camera input</b>	Supports Hikvision PoC camera <b>Note:</b> Do not unplug or plug the PoC camera if it is powered by the external power supply.		
	<b>IP video input</b>	1-ch (up to 5-ch) Up to 4 MP resolution Supports H.265+/H.265/H.264+/H.264 IP cameras	2-ch (up to 10-ch)	2-ch (up to 18-ch)
	<b>Audio compression</b>	G.711u		
	<b>Audio input</b>	1-ch, RCA (2.0 Vp-p, 1 K $\Omega$ )		
<b>Video/Audio output</b>	<b>CVBS output</b>	1-ch, BNC (1.0 Vp-p, 75 $\Omega$ ), resolution: PAL: 704 $\times$ 576, NTSC: 704 $\times$ 480		
	<b>HDMI/VGA output</b>	1-ch, 1920 $\times$ 1080/60Hz, 1280 $\times$ 1024/60Hz, 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	
	<b>Encoding resolution</b>	When 1080p Lite mode is not enabled: 4 MP lite/3 MP/1080p/720p/VGA/WD1/4CIF/CIF; When 1080p Lite mode is enabled: 4 MP lite/3 MP/1080p lite/720p lite/VGA/WD1/4CIF/CIF		
	<b>Frame rate</b>	Main stream: When 1080p Lite mode not enabled: For 4 MP stream access: 4 MP lite@15fps; 1080p lite/720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N) For 3 MP stream access: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF@15fps For 1080p stream access: 1080p@15fps; 720p/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: 4 MP lite/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)		
	<b>Video bit rate</b>	32 Kbps to 6 Mbps		
	<b>Audio output</b>	1-ch, RCA (Linear, 1 K $\Omega$ )		
	<b>Audio bit rate</b>	64 Kbps		
	<b>Dual stream</b>	Support		
	<b>Stream type</b>	Video, Video & Audio		
	<b>Synchronous playback</b>	4-ch	8-ch	16-ch
<b>Network management</b>	<b>Remote connections</b>	32	64	128
	<b>Network protocols</b>	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF		
<b>Hard disk</b>	<b>SATA</b>	1 SATA interface	2 SATA interfaces	
	<b>Capacity</b>	Up to 10 TB capacity for each disk		
<b>External interface</b>	<b>Two-way audio input</b>	1-ch, RCA (2.0 Vp-p, 1 K $\Omega$ ) (using the 1 <sup>st</sup> audio input)		
	<b>Network interface</b>	1, RJ45 10M/100M self-adaptive Ethernet interface		1, RJ45 10M/100M/1000M self-adaptive Ethernet interface
	<b>USB interface</b>	2 $\times$ USB 2.0		Front panel: 1 $\times$ USB 2.0 Rear panel: 1 $\times$ USB 3.0
	<b>Serial interface</b>	RS-485 (half-duplex)		
<b>General</b>	<b>Power supply</b>	48 VDC		100 to 240 VAC
	<b>Consumption (without HDD)</b>	$\leq$ 40 W	$\leq$ 60 W	$\leq$ 120 W
	<b>Working temperature</b>	-10 $^{\circ}$ C to +55 $^{\circ}$ C (+14 $^{\circ}$ F to +131 $^{\circ}$ F)		
	<b>Working humidity</b>	10% to 90%		
	<b>Dimensions (W <math>\times</math> D <math>\times</math> H)</b>	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)	
	<b>Weight (without HDD)</b>	$\leq$ 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	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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