

## DS-7200HQHI-K1 SERIES TURBO HD DVR

### Key Feature

- H.265 Pro+/H.265 Pro/H.265 video compression
- HDTV/AVD/CVI/CVBS/IP video input
- Audio via coaxial cable
- Up to 6/12/24-ch IP camera inputs (up to 6 MP)
- Max. 800 m for 1080p and 1200 m for 720p HDTV signal transmission
- Up to 10 TB capacity per HDD



### Compression and Recording

- H.265 Pro+ can be enabled to improve encoding efficiency and reduce data storage costs
- Full channel recording at up to 4 MP lite resolution

### Storage and Playback

- Smart search for efficient playback
- Support the third party cloud storage (Dropbox/Google Drive/Microsoft OneDrive)

### Smart Function

- Support multiple VCA (Video Content Analytics) events for both analog and smart IP cameras
- Support 4-ch line crossing detection and intrusion detection; DS-7216HQHI-K1 supports 1-ch sudden scene change detection

### Network & Ethernet Access

- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- Max. 24/48/96 Mbps incoming bandwidth and output bandwidth limit configurable



## Specification

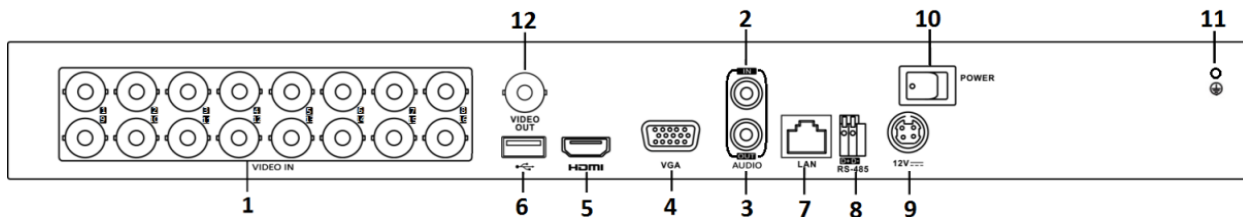
Model	DS-7204HQHI-K1	DS-7208HQHI-K1	DS-7216HQHI-K1
<b>Perimeter Protection<sup>1</sup></b>			
<b>Line Crossing Detection/ Intrusion Detection</b>	2-ch  Enhanced VCA mode on: 4-ch	2-ch  Enhanced VCA mode on: 4-ch	2-ch  Enhanced VCA mode on: 4-ch
<b>Recording</b>			
<b>Video compression</b>	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264		
<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 is 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/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 is 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>Dual stream</b>	Support		
<b>Stream type</b>	Video, Video & Audio		
<b>Audio compression</b>	G.711u		
<b>Audio bit rate</b>	64 Kbps		
<b>Video and Audio</b>			
<b>IP video input<sup>2</sup></b>	1-ch (up to 5-ch)  Enhanced IP mode on: 2-ch (up to 6-ch), each up to 4 Mbps	2-ch (up to 10-ch)  Enhanced IP mode on: 4-ch (up to 12-ch), each up to 4 Mbps	2-ch (up to 18-ch)  Enhanced IP mode on: 8-ch (up to 24-ch), each up to 4 Mbps
	Up to 6 MP resolution		
	Support H.265+/H.265/H.264+/H.264 IP cameras		
<b>Analog video input</b>	4-ch  BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection	8-ch	16-ch
<b>HDTVl input</b>	4 MP, 3 MP, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25 *: The 3 MP signal input is only available for channel 1 of DS-7204HQHI-K1, for channel 1/2 of DS-7208HQHI-K1, and for channel 1/2/3/4 of DS-7216HQHI-K1.		
<b>AHD input</b>	4 MP, 1080p25, 1080p30, 720p25, 720p30		
<b>HDCVI input</b>	4 MP, 1080p25, 1080p30, 720p25, 720p30		

<b>CVBS input</b>	PAL/NTSC		
<b>CVBS output</b>	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480		
<b>VGA output</b>	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz		
<b>HDMI output</b>	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	
<b>Audio input</b>	1-ch, RCA (2.0 Vp-p, 1 KΩ)		
	4-ch via coaxial cable	8-ch via coaxial cable	16-ch via coaxial cable
<b>Audio output</b>	1-ch, RCA (Linear, 1 KΩ)		
<b>Two-way audio</b>	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the first audio input)		
<b>Synchronous playback</b>	4-ch	8-ch	16-ch
<b>Network</b>			
<b>Total bandwidth</b>	72 Mbps	96 Mbps	128 Mbps
<b>Incoming bandwidth (Enhanced IP mode)</b>	24 Mbps	48 Mbps	96 Mbps
<b>Remote connection</b>	32	64	128
<b>Network protocol</b>	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF		
<b>Network interface</b>	1, RJ45 10M/100M self-adaptive Ethernet interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface	
<b>Auxiliary interface</b>			
<b>SATA</b>	1 SATA interface		
<b>Capacity</b>	Up to 10 TB capacity for each disk		
<b>Serial interface</b>	RS-485 (half-duplex)		
<b>USB interface</b>	2 × USB 2.0	Front panel: 1 × USB 2.0 Rear panel: 1 × USB 3.0	
<b>Alarm in/out</b>	N/A		
<b>General</b>			
<b>Power supply</b>	12 VDC, 1.5 A	12 VDC, 1.5 A	12 VDC, 3.33 A
<b>Consumption (without HDD)</b>	≤ 6 W	≤ 7.5 W	≤ 25 W
<b>Working temperature</b>	-10 °C to +55 °C (+14 °F to +131 °F)		
<b>Working humidity</b>	10% to 90%		
<b>Dimension (W × D × H)</b>	315 × 242 × 45 mm (12.4 × 9.5 × 1.8 inch)		
<b>Weight (without HDD)</b>	≤ 1.16 kg (2.6 lb)	≤ 1.78 kg (3.9 lb)	≤ 2 kg (4.4 lb)

**Note:**

- 1: Enabling enhanced VCA mode will maximize the connectable channel number for perimeter protection (line crossing detection and intrusion detection), but disable 2K/4K HDMI output resolution and 4 MP signal input.
- 2: Enhanced IP mode might be conflicted with smart events (perimeter protection) or other functions, please refer to the user manual for details.

## Physical Interface



\*: The rear panel of DS-7204/7208HQHI-K1 provides 4/8 video input interfaces.

No.	Description	No.	Description
1	Video and Coaxial Audio 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 Model

DS-7204HQHI-K1, DS-7208HQHI-K1, DS-7216HQHI-K1

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