

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

Key Features

- Support H.265 Pro+/H.265 Pro/H.265 video compression
- Support HDTVI/AHD/CVI/CVBS/IP video input
- Max. 6/12/24 IP cameras input (up to 6 MP)
- Max. 800 m for 1080p and 1200 m for 720p HDTVI signal transmission
- Up to 10 TB capacity per HDD
- Provide power supply to PoC cameras over coaxial cable



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

- One SATA interface for DS-7204HQHI-K1/P, and two SATA interfaces for DS-7208/7216HQHI-K2/P
- 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-K2/P 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





Specifications

Model	DS-7204HQHI-K1/P	DS-7208HQHI-K2/P	DS-7216HQHI-K2/P				
Recording							
Video compression	H.265 Pro+/H.265 Pro/H.2	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264					
Encoding resolution	 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 						
Frame rate	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/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: 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)						
Video bit rate	32 Kbps to 6 Mbps						
Dual stream	Support						
Stream type	Video, Video & Audio						
Audio compression	G.711u						
Audio bit rate	64 Kbps						
Video and Audio							
IP video input	2-ch (up to 6-ch) Up to 6 MP resolution Support H.265+/H.265/H.2	4-ch (up to 12-ch) 8-ch (up to 24-ch)					
Analog video input	4-ch BNC interface (1.0 Vp-p, 75	8-ch16-ch75 Ω), supporting coaxitron connection					
PoC camera input	Support Hikvision PoC camera *: PoC access capability see Appendix.						
HDTVI input	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/P, channel 1/2 of DS-7208HQHI-K2/P, and channel 1/2/3/4 of DS-7216HQHI-K2/P.						
AHD input	4 MP, 1080p25, 1080p30,	4 MP, 1080p25, 1080p30, 720p25, 720p30					
HDCVI input	1080p25, 1080p30, 720p25, 720p30						
CVBS input	PAL/NTSC						
CVBS output		1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480					



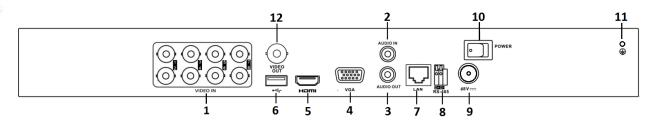


HDMI/VGA output	1-ch, 1920 × 1080/60Hz, 1 720/60Hz, 1024 × 768/60H	VGA: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI: 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz			
Audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)		· · · · ·		
Audio output	1-ch, RCA (Linear, 1 KΩ)				
Two-way audio	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the first audio input)				
Synchronous playback	4-ch 8-ch		16-ch		
Network					
Remote connections	32	64	128		
Network protocols	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF				
Network interface	1, RJ45 10M/100M self-adaptive Ethernet interface		1, RJ45 10M/100M/1000M self-adaptive Ethernet interface		
Auxiliary interface					
SATA	1 SATA interface	2 SATA interfaces			
Capacity	Up to 10 TB capacity for each disk				
Serial interface	RS-485 (half-duplex)				
USB interface	2 × USB 2.0		Front panel: 1 × USB 2.0 Rear panel: 1 × USB 3.0		
Alarm in/out	N/A				
General	· ·				
Power supply	48 VDC				
Consumption (without HDD)	≤ 40 W	≤ 60 W	≤ 120 W		
Working temperature	-10 °C to +55 °C (+14 °F to +131 °F)				
Working humidity	10% to 90%				
Dimensions (W × D × H)	315 × 242 × 45 mm (12.4 × 9.5 × 1.8 inch) 380 × 320 × 48 mm (15.0 ×		12.6 × 1.9 inch)		
Weights (without HDD)	≤ 1.16 kg (2.6 lb)	≤ 1.78 kg (3.9 lb)	≤ 2 kg (4.4 lb)		





Physical Interfaces



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

No.	Description	No.	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





Appendix

AT/AF Mode

With reference to PoE standards, Hikvision has introduced AT and AF mode for PoC to distinguish the power level of PoC cameras: the max. Operating power of AT and AF are 12 W and 6 W respectively. These two modes are not related to IEEE 802.3 IP standard.

PoC Access Capability

PoC Device	Allowed AT/AF Camera Access		
4-ch PoC device	4 AT cameras		
8-ch PoC device	8 AT cameras		
16-ch PoC device	8 AT cameras + 8 AF cameras		
	Or up to 12 AT cameras		

16-ch PoC device is connected to 8 AT cameras through 8 random channels rather than fixed ones. The access scenarios of a 16-ch PoC device are listed in the table below:

AT camera access	12	11	10	9	8	N (0 to 7)
AF camera access	0	2	4	6	8	16-N

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