

DS-7200HQHI-K2/xAA SERIES TURBO HD DVR



Features and Functions write by akatos

Video Input and Transmission

- Self-adaptive HDTV/HDCVI/AHD/CVBS signal input
- Up to 2-ch 4 MP IP cameras input
- Long distance transmission over UTP and coaxial cable: max. 800m for 1080p and 1200m for 720p HDTV signal

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
- 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
- Separate CVBS output

Storage and Playback

- 2 SATA interfaces (up to 6 TB capacity per HDD)
- 8/16-ch synchronous playback
- Smart search for efficient playback
- Supports the 3rd party cloud storage (Dropbox/Google Drive/Microsoft OneDrive)

Smart Function

- Supports multiple VCA (Video Content Analytics) events for both analog and smart IP cameras
- DS-7208HQHI-K2/8AA support 2-ch line crossing detection and intrusion detection; DS-7216HQHI-K2/16AA supports 2-ch line crossing detection and intrusion detection, and 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
- 1 RJ45 10M/100M Ethernet network interface for DS-7208HQHI-K2/8AA, and 1 RJ45 10M/100M/1000M Ethernet network interface for DS-7216HQHI-K2/16AA
- Output bandwidth limit configurable

- no liability for writing errors



Specifications

Model	DS-7208HQHI-K2/8AA	DS-7216HQHI-K2/16AA		
Video/Audio input	Video compression	H.265+/H.265/H.264+/H.264		
	Analog video input	8-ch	16-ch	
		BNC interface (1.0 Vp-p, j Ω), supporting coaxitron connection		
	HDTVI input	3 MP, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25 Note: The 3 MP signal input is only available for channel 1/2 of DS-7208HQHI-K2, and for channel 1/2/3/4 of DS-7216HQHI-K2.		
	AHD/HDCVI input	1080p25, 1080p30, 720p25, 720p30		
	CVBS input	PAL/NTSC		
	IP video input	2-ch Up to 4 MP resolution Supports H.265+/H.265/H.264+/H.264 IP cameras		
	Audio compression	G.711u		
Video/Audio output	Audio input	8-ch, RCA (2.0 Vp-p, 6 K Ω) / 16-ch, RCA (2.0 Vp-p, 6 K Ω)		
	CVBS output	1-ch, BNC (1.0 Vp-p, j Ω), resolution: PAL: j $\Theta\kappa \times \rho\jmath$, NTSC: j $\Theta\kappa \times \mu\Theta\mathcal{B}$		
	HDMI/VGA output	1-ch, 1920 \times 1080/60Hz, 1280 \times 1024/60Hz, 1280 \times 720/60Hz, 1024 \times 768/60Hz	VGA: 1-ch, 1920 \times 1080/60Hz, 1280 \times 1024/60Hz, 1280 \times 720/60Hz, 1024 \times 768/60Hz HDMI: 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 Ω)		
	Audio bit rate	64 Kbps		
	Dual stream	Support		
	Stream type	Video, Video & Audio		
	Synchronous playback	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	2 SATA interfaces Up to 6 TB capacity for each disk	
	External interface	Two-way audio input	1-ch, RCA (2.0 Vp-p, 6 K Ω); using the 1 st 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	12 VDC		
	Consumption (without HDD)	\leq 7.5 W	\leq 25 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)	380 \times 320 \times 48 mm (15.0 \times 12.6 \times 1.9 inch)		
	Weight (without HDD)	\leq 1.78 kg (3.9 lb)	\leq 2 kg (4.4 lb)	