

## 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 3<sup>rd</sup> 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	<b>Video compression</b>	H.265+/H.265/H.264+/H.264			
	<b>Analog video input</b>	8-ch	16-ch		
		BNC interface (1.0 Vp-p, jϖ Ω), supporting coaxitron connection			
	<b>HDTVI input</b>	3 MP, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25 <b>Note:</b> 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.			
	<b>AHD/HDCVI input</b>	1080p25, 1080p30, 720p25, 720p30			
	<b>CVBS input</b>	PAL/NTSC			
	<b>IP video input</b>	2-ch Up to 4 MP resolution			
		Supports H.265+/H.265/H.264+/H.264 IP cameras			
Video/Audio output	<b>Audio compression</b>	G.711u			
	<b>Audio input</b>	8-ch, RCA (2.0 Vp-p, 6 KΩ)		/ 16-ch, RCA (2.0 Vp-p, 6 KΩ)	
	<b>CVBS output</b>	1-ch, BNC (1.0 Vp-p, jϖ Ω), resolution: PAL: jϖκ × ϖjc, NTSC: jϖκ × κθϖ			
	<b>HDMI/VGA output</b>	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz		<b>VGA:</b> 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	
				<b>HDMI:</b> 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	
	<b>Encoding resolution</b>	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			
	<b>Frame rate</b>	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)			
<b>Video bit rate</b>	32 Kbps to 6 Mbps				
<b>Audio output</b>	1-ch, RCA (Linear, 1 KΩ)				
<b>Audio bit rate</b>	64 Kbps				
<b>Dual stream</b>	Support				
<b>Stream type</b>	Video, Video & Audio				
Network management	<b>Remote connections</b>	128			
	<b>Network protocols</b>	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF			
Hard disk	<b>SATA</b>	2 SATA interfaces Up to 6 TB capacity for each disk			
External interface	<b>Two-way audio input</b>	1-ch, RCA (2.0 Vp-p, 6 KΩ ;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	
		2 × USB 2.0		Front panel: 1 × USB 2.0 Rear panel: 1 × USB 3.0	
	<b>Serial interface</b>	RS-485 (half-duplex)			
General	<b>Power supply</b>	12 VDC			
	<b>Consumption (without HDD)</b>	≤ 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>Dimensions (W × D × H)</b>	380 × 320 × 48 mm (15.0 × 12.6 × 1.9 inch)			
	<b>Weight (without HDD)</b>	≤ 1.78 kg (3.9 lb)	≤ 2 kg (4.4 lb)		