

DS-7A00HQHI-K1 SERIES TURBO HD DVR



Features and Functions

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
- H.265+ can be enabled to improve encoding efficiency and reduce data storage costs
- Up to 3 MP resolution for recording of channel 1 of DS-7A04HQHI-K1, channel 1/2 of DS-7A08HQHI-K1, and channel 1/2/3/4 of DS-7A16HQHI-K1
- Supports real-time 1080p lite and when enabled, the image effect is similar with 1080p

Video Output

- Simultaneous HDMI/VGA output

Storage and Playback

- One SATA interface (up to 6 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

- VQD (Video Quality Diagnostics)
- Supports PTZ control via Omnicast VMS of Genetec protocol

Network & Ethernet Access

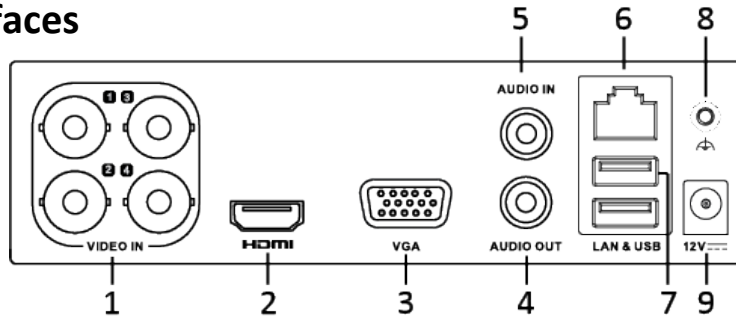
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- One RJ45 10M/100M Ethernet network interface
- Output bandwidth limit configurable



Specifications

Model		DS-7A04HQHI-K1	DS-7A08HQHI-K1	DS-7A16HQHI-K1	
Video/Audio input	Video compression	H.265+/H.265/H.264+/H.264			
	Analog video input	4-ch	8-ch	16-ch	
	HDTVI input	3 MP, 1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60 Note: The 3 MP signal input is only available for channel 1 of DS-7A04HQHI-K1, channel 1/2 of DS-7A08HQHI-K1, and channel 1/2/3/4 of DS-7A16HQHI-K1.			
	AHD input	1080p25, 1080p30, 720p25, 720p30			
	HDCVI input	1080p25, 1080p30, 720p25, 720p30			
	CVBS input	Support			
	IP video input		1-ch	2-ch	2-ch
			Up to 4 MP resolution Supports H.265+/H.265/H.264+/H.264 IP cameras		
	Audio compression	G.711u			
	Audio input/Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 K Ω)			
Video/Audio output	HDMI/VGA output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz			
	Encoding resolution	When 1080p Lite mode not enabled: 3 MP/1080p/720p/WD1/4CIF/VGA/CIF; When 1080p Lite mode enabled: 3 MP/1080p lite/720p lite/WD1/4CIF/VGA/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	4-ch	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	1 SATA interface			
	Capacity	Up to 4 TB capacity for each disk	Up to 6 TB capacity for each disk		
External interface	Network interface	1, RJ45 10M/100M self-adaptive Ethernet interface			
	USB interface	Real panel: 2 × USB 2.0			
General	Power supply	12 VDC			
	Consumption (without HDD)	≤ 8 W	≤ 12 W	≤ 15 W	
	Working temperature	-10 °C to +55 °C (+14 °F to +131 °F)			
	Working humidity	10% to 90%			
	Dimensions (W × D × H)	200 × 200 × 45 mm (7.9 × 7.9 × 1.8 inch)		285 × 210 × 45 mm (11.2 × 8.3 × 1.8 inch)	
	Weight (without HDD)	≤ 1 kg (2.2 lb)			

Physical Interfaces



NOTE

The rear panel of DS-7A08/7A16HQHI-K1 provides 8/16 video input interfaces.

Index	Description	Index	Description
1	VIDEO IN	6	LAN Network Interface
2	HDMI Interface	7	USB Interfaces
3	VGA Interface	8	GND
4	AUDIO OUT, RCA Connector	9	12 VDC Power Input
5	AUDIO IN, RCA Connector		

Available Models

DS-7A04HQHI-K1, DS-7A08HQHI-K1, DS-7A16HQHI-K1

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