DS-7300HQHI-K4 SERIES TURBO HD DVR

Features and Functions

Appearance Design

- Typical chassis design to guarantee the low noise and environmental protection of the device
- Front slot of DVD-R/W for more convenient installation and maintenance

Video Input and Transmission

- Self-adaptive HDTVI/HDCVI/AHD/CVBS signal input
- Up to 6/10/18-ch 6 MP IP cameras input for DS-7304/7308/7316HQHI-K4
- Long distance transmission over UTP and coaxial cable: max. 800 m for 1080p and 1200m for 720p HDTVI signal

Compression and Recording

- H.265 Pro+/H.265 Pro/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
- Full channel recording at up to 4 MP lite resolution
- Supports real-time 1080p lite. When 1080p lite is on, the image effect is similar with 1080p
- Supports POS triggered recording and POS information overlay

Video Output

- HDMI and VGA output provided
- HDMI output at up to 4K (3840 × 2160) resolution
- Separate CVBS output

Storage and Playback

- Four SATA interfaces (up to 10 TB capacity per HDD) and 1 eSATA interface
- USB 3.0 provides high-speed file transfer and backup
- 4/8/16-ch synchronous playback
- Smart search for efficient playback
- Supports third party cloud storage (Dropbox/Google Drive/Microsoft OneDrive)

Smart Function

- Supports multiple VCA (Video Content Analytics) events for both analog and smart IP cameras
- Supports 4-ch line crossing detection and intrusion detection, and 1-ch sudden scene change detection
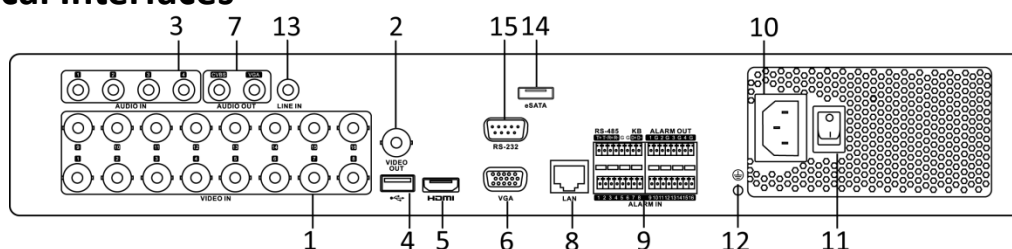
Network & Ethernet Access

- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- One RJ45 10M/100M/1000M Ethernet network interface
- Output bandwidth limit configurable

Specifications

Model		DS-7304HQHI-K4	DS-7308HQHI-K4	DS-7316HQHI-K4
Video/Audio input	Video compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264		
	Analog video input	4-ch	8-ch	16-ch
		BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection		
	HDTVI input	4 MP, 3 MP, 1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60 **Note**: The 3 MP signal input is only available for channel 1 of DS-7304HQHI-K4, channel 1/2 of DS-7308HQHI-K4, and channel 1/2/3/4 of DS-7316HQHI-K4.		
	AHD input	4 MP, 1080p25, 1080p30, 720p25, 720p30		
	HDCVI input	1080p25, 1080p30, 720p25, 720p30		
	CVBS input	PAL/NTSC		
	IP video input	2-ch (up to 6-ch)	2-ch (up to 10-ch)	2-ch (up to 18-ch)
		Up to 6 MP resolution		
		Supports H.265+/H.265/H.264+/H.264 IP cameras		
	Audio compression	G.711u		
	Audio input	4-ch, RCA (2.0 Vp-p, 1 KΩ)		
Video/Audio output	CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480		
	HDMI/VGA output	**HDMI**: 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz **VGA**: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz		
	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@15fps; 720p/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		
	Audio output	2-ch, RCA (Linear, 1 KΩ)		
	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, SNMP		
Hard disk	SATA	4 SATA interfaces		
	eSATA	Support		
	Capacity	Up to 10 TB capacity for each disk		
External interface	Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ) (independent)		
	Network interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface		
	USB interface	Front panel: 2 × USB 2.0 Rear panel: 1 × USB 3.0		
	Serial interface	RS-232, RS-485 (full-duplex), Keyboard		
	Alarm in/out	16/4		
General	Power supply	100 to 240 VAC		
	Consumption (without HDD)	≤ 30 W	≤ 40 W	≤ 55 W
	Working temperature	-10 °C to +55 °C (+14 °F to +131 °F)		
	Working humidity	10% to 90%		
	Dimensions (W × D × H)	445 × 390 × 70 mm (17.5 × 15.4 × 2.8 inch)		
	Weight (without HDD)	≤ 5 kg (11.0 lb)		

Physical Interfaces

NOTE

The rear panel of DS-7304/7308HQHI-K4 provides 4/8 video input interfaces.

Index	Description	Index	Description
1	VIDEO IN	**9**	RS-485 Serial Interface, Keyboard Interface, ALARM IN and ALARM OUT
2	VIDEO OUT	**10**	100 to 240 VAC Power Input
3	AUDIO IN, RCA Connector	**11**	Power Switch
4	USB Interface	**12**	GND
5	HDMI Interface	**13**	LINE IN
6	VGA Interface	**14**	eSATA Interface
7	CVBS AUDIO OUT and VGA AUDIO OUT	**15**	RS-232 Serial Interface
8	LAN Network Interface		

Available Models

DS-7304HQHI-K4, DS-7308HQHI-K4, DS-7316HQHI-K4

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