

DS-7224/7232HQHI-K2 SERIES TURBO HD DVR

Key Features

- Support H.265 Pro+/H.265 Pro/H.265 video compression
- Support HDTV/AVD/CVI/CVBS/IP video input
- Support image and audio edition
- Max. 32/40 IP cameras input (up to 6 MP)
- Max. 800 m for 1080p and 1200 m for 720p HDTV signal transmission
- Up to 10 TB capacity per HDD



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

- Two SATA interfaces
- Smart search for efficient playback
- Support the third party cloud storage

Smart Function

- Support multiple VCA (Video Content Analytics) events for both analog and smart IP cameras
- Support 2-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
- Output bandwidth limit configurable



Specifications

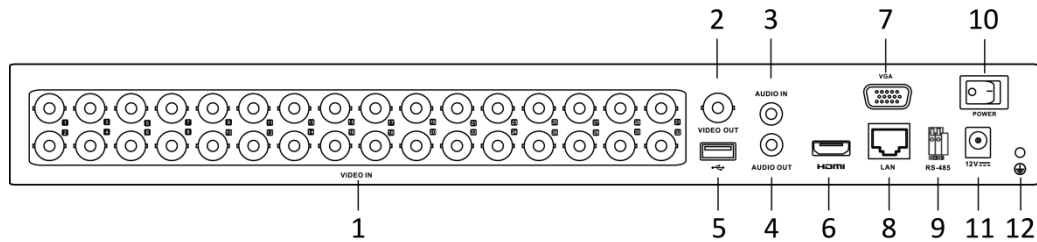
Model	DS-7224HQHI-K2	DS-7232HQHI-K2
Perimeter Protection¹		
Line Crossing Detection/ Intrusion Detections	2-ch Enhanced VCA mode on: 4-ch	2-ch Enhanced VCA mode on: 4-ch
Recording		
Video compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264	
Encoding resolution	When 1080p lite mode is not enabled: 4 MP 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 is 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 is 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 input²	2-ch (up to 26-ch) Enhanced IP mode on: 8-ch (up to 32-ch), each up to 4 Mbps Up to 6 MP resolution Support H.265+/H.265/H.264+/H.264 IP cameras	2-ch (up to 34-ch) Enhanced IP mode on: 8-ch (up to 40-ch), each up to 4 Mbps
Analog video input	24-ch BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection	32-ch
HDTVI input	4 MP, 3 MP, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25 *: The 3 MP signal input is only available for channel 1/2/3/4.	
AHD input	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	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	16-ch	
Network		
Total bandwidth	128 Mbps	
Incoming bandwidth (Enhanced IP mode)	Up to 128 Mbps	Up to 160 Mbps
Remote connections	128	
Network protocols	IPv4/IPv6, TCP/IP, UDP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTP, HTTPS, SMTP, ONVIF	
Network interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface	
Auxiliary interface		
SATA	2 SATA interfaces	
Capacity	Up to 10 TB capacity for each disk	
Serial interface	RS-485 (half-duplex)	
USB interface	Front panel: 1 × USB 2.0 Rear panel: 1 × USB 3.0	
Alarm in/out	N/A	
General		
Power supply	12 VDC, 4.5 A	
Consumption (without HDD)	≤ 55 W	≤ 65 W
Working temperature	-10 °C to +55 °C (+14 °F to +131 °F)	
Working humidity	10% to 90%	
Dimensions (W × D × H)	380 × 320 × 48 mm (15.0 × 12.6 × 1.9 inch)	
Weights (without HDD)	≤ 2 kg (4.4 lb)	

Note:

- 1: Enabling enhanced VCA mode will maximize the connectable channel number for perimeter protection (line crossing detection and intrusion detection), but disable 2K/4K HDMI output resolution and 4 MP signal input.
- 2: Enhanced IP mode might be conflicted with smart events (perimeter protection) or other functions, please refer to the user manual for details.

Physical Interfaces



*: The rear panel of DS-7224HQHI-K2 provides 24 video input interfaces.

No.	Description	No.	Description
1	VIDEO IN	7	VGA Interface
2	VIDEO OUT	8	LAN Network Interface
3	AUDIO IN, RCA Connector	9	RS-485 Serial Interface
4	AUDIO OUT, RCA Connector	10	Power Switch
5	USB Interface	11	12 VDC Power Input
6	HDMI Interface	12	GND

Available Models

DS-7224HQHI-K2, DS-7232HQHI-K2

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