HIKVISION

iDS-7200HQHI-K1/S SERIES TURBO ACUSENSE DVR

Features and Functions

VCA Detection

- Deep learning-based analysis: re-recognition of the human body or vehicle target in behavior detection to filter false alarm, supports 2-ch detection for iDS-7204HQHI-K1/2S and 4-ch for iDS-7208HQHI-K1/4S

Video Input and Transmission

- Self-adaptive HDTVI/HDCVI/AHD/CVBS signal input
- When enhanced IP mode enabled, up to 6-ch 6 MP IP cameras input for iDS-7204HQHI-K1/2S; 12-ch 6 MP IP cameras input for iDS-7208HQHI-K1/4S and 24-ch 6 MP IP cameras input for iDS-7216HQHI-K1/4S
- Long distance transmission over UTP and coaxial cable: max. 800m 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 Pro+/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
- Supports real-time 1080p lite and when enabled, the image effect is similar with 1080p

Video Output

- Simultaneous HDMI/VGA output
- Separate CVBS output

Storage and Playback

- 1 SATA interface (up to 10 TB capacity per HDD)
- 4/8/16-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
- iDS-7216HQHI-K1/4S supports 1-ch sudden scene change detection
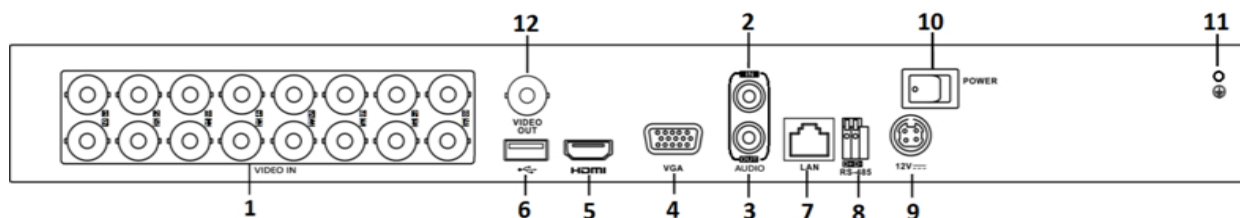
Network & Ethernet Access

- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- 1 RJ45 10M/100M Ethernet network interface for iDS-7204HQHI-K1/2S and iDS-7208HQHI-K1/4S, and 1 RJ45 10M/100M/1000M Ethernet network interface for iDS-7216HQHI-K1/4S
- Output bandwidth limit configurable, up to 72M for iDS-7204HQHI-K1/2S; 96M for iDS-7208HQHI-K1/4S and 128M for iDS-7216HQHI-K1/4S

Specifications

Model		iDS-7204HQHI-K1/2S	iDS-7208HQHI-K1/4S	iDS-7216HQHI-K1/4S
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, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25 **Note**: The 3 MP signal input is only available for channel 1 of iDS-7204HQHI-K1/2S, for channel 1/2 of iDS-7208HQHI-K1/4S, and for channel 1/2/3/4 of iDS-7216HQHI-K1/4S.		
	AHD input	4 MP, 1080p25, 1080p30, 720p25, 720p30		
	HDCVI input	1080p25, 1080p30, 720p25, 720p30		
	CVBS input	PAL/NTSC		
	IP video input	Up to 6-ch	Up to 12-ch	Up to 24-ch
		Up to 6 MP resolution		
		Supports H.265+/H.265/H.264+/H.264 IP cameras		
	Audio compression	G.711u		
	Audio input	1-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	1-ch, HDMI,1-ch, VGA,1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz,HDMI/VGA Simultaneous Output		
	Encoding resolution@ 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	1-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	32	64	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 10 TB capacity for each disk		
External interface	Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the 1st audio input)		
	Network interface	1, RJ45 10M/100M self-adaptive Ethernet interface		1, RJ45 10M/100M/1000M self-adaptive Ethernet interface
	USB interface	2 × USB 2.0		
	Serial interface	RS-485 (half-duplex)		
General	Power supply	12 VDC		
	Consumption (without HDD)	≤ 10 W	≤ 18 W	≤ 25 W
	Working temperature	-10 ºC to +55 ºC (+14 ºF to +131 ºF)		
	Working humidity	10% to 90%		
	Dimensions (W × D × H)	315 × 242 × 45 mm (12.4 × 9.5 × 1.8 inch)		
	Weight (without HDD)	≤ 1.16 kg (2.6 lb)	≤ 1.78 kg (3.9 lb)	≤ 2 kg (4.4 lb)

Physical Interfaces

NOTE The rear panel of iDS-7204HQHI-K1/2S provides 4 video input interfaces. The rear panel of iDS-7208HQHI-K1/4S provides 8 video input interfaces.

Index	Description	Index	Description
1	VIDEO IN	7	LAN Network Interface
2	AUDIO IN, RCA Connector	8	RS-485 Serial Interface
3	AUDIO OUT, RCA Connector	9	12 VDC Power Input
4	VGA Interface	10	Power Switch
5	HDMI Interface	11	GND
6	USB Interface	12	VIDEO OUT

Available Models

iDS-7204HQHI-K1/2S, iDS-7208HQHI-K1/4S, iDS-7216HQHI-K1/4S

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