

iDS-7200HQHI-K1/S (C) (B) SERIES TURBO ACUSENSE DVR

Key Feature

- Deep learning-based motion detection 2.0 for all analog channels
- Deep learning-based perimeter protection
- H.265 Pro+/H.265 Pro/H.265/H.264+/H.264 video compression
- HDTVI/AHD/CVI/CVBS/IP video inputs
- Audio via coaxial cable
- Up to 6/12/24-ch IP camera inputs (up to 6 MP)
- Up to 10 TB capacity per HDD



Compression and Recording

- H.265 Pro+ video compression improves encoding efficiency, and reduces data storage costs
- Full channel recording at up to 1080p resolution

Storage and Playback

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

Smart Function

- Deep learning-based motion detection, and perimeter protection (line crossing and intrusion detection)
- Support multiple VCA (Video Content Analytics) events for both analog and smart IP cameras

Network & Ethernet Access

- Compatible with major Wi-Fi dongle products in the market
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- Output bandwidth limit configurable





Specification

Model	iDS-7204HQHI-K1/2S (C)	iDS-7208HQHI-K1/4S (C)	iDS-7216HQHI-K1/4S (B)		
Motion Detection 2.0 ¹					
Human/Vehicle Analysis	Deep learning-based motion detection 2.0 is enabled by default for all analog channels, it can classify human and vehicle, and extremely reduce false alarms caused by objects like leaves and lights; Quick search by object or event type is supported;				
Perimeter Protection ¹					
Human/Vehicle Analysis	Up to 2-ch	Up to 4-ch			
Recording		1			
Video compression	H.265 Pro+/H.265 Pro/H.265	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264			
Encoding resolution	Main stream:When 1080p lite mode not enabled:For 4 MP stream access:4 MP lite@15 fps; 1080p lite/720p/WD1/4CIF/VGA/CIF@25 fps (P)/30 fps (N)For 3 MP stream access: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF@15 fpsFor 1080p stream access:1080p/720p@15 fps; VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N)For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N)When 1080p Lite mode enabled:4 MP lite/3 MP@15 fps; 1080p lite/720p lite/VGA/WD1/4CIF/CIF@25 fps (P)/30 fps(N)Sub-stream:				
	WD1/4CIF@12 fps; CIF@25 fps (P)/30 fps (N)				
Video bitrate	· · ·	32 Kbps to 6 Mbps			
Dual stream	Support				
Stream type		Video, Video & Audio			
Audio compression		G.711u			
Audio bitrate	64 Kbps				
Video and Audio					
IP video input ²	1-ch (up to 5-ch) Enhanced IP mode on: 2-ch (up to 6-ch), each up to 4 Mbps Up to 6 MP resolution Support H.265+/H.265/H.26	2-ch (up to 10-ch) Enhanced IP mode on: 4-ch (up to 12-ch), each up to 4 Mbps 4+/H.264 IP cameras	2-ch (up to 18-ch) Enhanced IP mode on: 8-ch (up to 24-ch), each up to 4 Mbps		
	4-ch	8-ch	16-ch		
Analog video input HDTVI input	 BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection 4 MP@30 fps, 4 MP@25 fps, 3 MP@18 fps, 1080p30, 1080p@25 fps, 720p@60 fps, 720p@50 fps, 720p@30 fps, 720p@25 fps *: The 3 MP signal input is only available for channel 1 of iDS-7204HQHI-M1/S, for channel 1/2 of iDS-7208HQHI-M1/S, and for channel 1/2/3/4 of iDS-7216HQHI-M1/S. 				
AHD input		@30 fns 720n@25 fns 720n/	ത30 fps		
HDCVI input	4 MP, 1080p@25 fps, 1080p@30 fps, 720p@25 fps, 720p@30 fps 4 MP, 1080p@25 fps, 1080p@30 fps, 720p@25 fps, 720p@30 fps				
	4 Mir, 10000 @25 lbs, 10800	woo ips, /20pw23 ips, /20p	8-20 ihs		



CVBs inputPAL/NISCCVBs output1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480HDMI/VGA output1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI/VGA simultaneous outputAudio input³1-ch, (up to 8-ch is optional), RCA (2.0 Vp-p, 1 KΩ)1-ch (up to 8-ch is optional), RCA (2.0 Vp-p, 1 KΩ)Audio output1-ch, RCA (Linear, 1 KΩ)1-ch (up to 8-ch is optional), RCA (2.0 Vp-p, 1 KΩ)1-ch, RCA (2.0 Vp-p, 1 KΩ)Audio output1-ch, RCA (Linear, 1 KΩ)1-ch (up to 8-ch is optional), RCA (2.0 Vp-p, 1 KΩ) (using the first audio input)Synchronous playback4-ch8-ch via coaxial cableAutio output1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the first audio input)Synchronous playback4-ch8-chAutor VI128NetworkTCP/IP, PPPoE, DHCP, Hik-Correct, DNS, DDNS, NTP, SADP, NS, ISCSI, UPPP*, HTTPS, ONVIFNetwork interface1, RJ45 10/100 Mbps self-at pitwe Ethernet interfaceWi-FiConnectable to Wi-Fi network by Wi-Fi dongle through USVI-FiConnectable to Wi-Fi network by Wi-Fi dongle through USSarial interfaceR5-485 (half-duples)Strial interfaceR5-485 (half-duples)USB interfaceR5-485 (half-duples)Serial interfaceR5-485 (half-duples)Serial interfaceR5-485 (half-duples)USB interfaceR5-485 (half-duples)Power supply12 VDC, 1.5 AConsumption (without HDD)115 VIC 55 °C (14 °F to 131 °F)Working temperature-10 °C to 55 °C						
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Auxiliary interfaceSATA1 SATA interface, up to 10 TB capacity for each diskSerial interfaceRS-485 (half-duplex)USB interfaceFront panel: 1 × USB 2.0; Rear panel: 1 × USB 2.0Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0Alarm in/out³N/A (optional to support)General12 VDC, 1.5 A12 VDC, 2 APower supply12 VDC, 1.5 A12 VDC, 2 AConsumption (without HDD)<18 W≤ 24 WWorking temperature-10 °C to 55 °C (14 °F to 131 °F)≤ 24 WWorking humidity10% to 90%Dimension (W × D × H)315 × 242 × 45 mm (12.4 × 9.5 × 1.8 inch)		interface				
SATA1 SATA interface, up to 10 TB capacity for each diskSerial interfaceRS-485 (half-duplex)USB interfaceFront panel: 1 × USB 2.0; Rear panel: 1 × USB 2.0, Rear panel: 1 × USB 2.0Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0Alarm in/out³N/A (optional to support)Front panel: 1 × USB 3.0GeneralI2 VDC, 1.5 A12 VDC, 2 APower supply12 VDC, 1.5 A12 VDC, 2 AConsumption (without HDD) ≤ 18 W ≤ 24 WWorking temperature-10 °C to 55 °C (14 °F to 131 °F) ≤ 24 WWorking humidity10% to 90%I15 × 242 × 45 mm (12.4 × 9.5 × 1.8 inch)	Wi-Fi	Connectable to Wi-Fi network by Wi-Fi dongle through USB interface				
Serial interfaceRS-485 (half-duplex)USB interfaceFront panel: 1 × USB 2.0; Rear panel: 1 × USB 2.0Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0Alarm in/out³N/A (optional to support)GeneralPower supply12 VDC, 1.5 A12 VDC, 2 AConsumption (without HDD)Serial temperature-10 °C to 55 °C (14 °F to 131 °F)Working temperature10% to 90%Dimension (W × D × H)315 × 242 × 45 mm (12.4 × 9.5 × 1.8 inch)	Auxiliary interface					
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GeneralPower supply12 VDC, 1.5 A12 VDC, 2 AConsumption (without HDD) ≤ 18 W ≤ 24 WWorking temperature -10 °C to 55 °C (14 °F to 131 °F) ≤ 24 WWorking humidity10% to 90% $= 100$ °C to 55 °C (14 °F to 131 °F)Dimension (W × D × H) $315 \times 242 \times 45$ mm (12.4 × 9.5 × 1.8 inch)	OSD IIIteriace	Rear panel: 1 × USB 2.0	Rear panel: 1 × USB 3.0			
Power supply 12 VDC, 1.5 A 12 VDC, 2 A Consumption (without HDD) ≤ 18 W ≤ 24 W Working temperature -10 °C to 55 °C (14 °F to 131 °F) ≤ 24 W Working humidity 10% to 90% $\leq 15 \times 242 \times 45$ mm (12.4 × 9.5 × 1.8 inch)	Alarm in/out ³	N/A (optional to support)	N/A (optional to support)			
Consumption (without HDD) $\leq 18 \text{ W}$ $\leq 24 \text{ W}$ Working temperature $-10 \degree \text{C}$ to 55 $\degree \text{C}$ (14 $\degree \text{F}$ to 131 $\degree \text{F}$) $\leq 24 \text{ W}$ Working humidity 10% to 90% 10% to 90%Dimension (W × D × H) $315 \times 242 \times 45 \text{ mm}$ (12.4 × 9.5 × 1.8 inch)	General					
≤ 18 W ≤ 24 W Working temperature -10 °C to 55 °C (14 °F to 131 °F) Working humidity 10% to 90% Dimension (W × D × H) 315 × 242 × 45 mm (12.4 × 9.5 × 1.8 inch)	Power supply	12 VDC, 1.5 A	12 VDC, 1.5 A			
(without HDD) -10 °C to 55 °C (14 °F to 131 °F) Working humidity 10% to 90% Dimension (W × D × H) 315 × 242 × 45 mm (12.4 × 9.5 × 1.8 inch)	Consumption	240 W		< 24.34		
Working humidity 10% to 90% Dimension (W × D × H) 315 × 242 × 45 mm (12.4 × 9.5 × 1.8 inch)	(without HDD)	×1 × × × × × × × × × × × × × × × × × ×	≤ 18 W ≤ 24 W			
Dimension (W × D × H) 315 × 242 × 45 mm (12.4 × 9.5 × 1.8 inch)	Working temperature	-10 °C to 55 °C (14 °F to 131	-10 °C to 55 °C (14 °F to 131 °F)			
	Working humidity	10% to 90%				
Weight (without HDD) $\leq 1.16 \text{ kg} (2.6 \text{ lb})$ $\leq 1.78 \text{ kg} (3.9 \text{ lb})$ $\leq 2 \text{ kg} (4.4 \text{ lb})$	Dimension (W × D × H)	315 × 242 × 45 mm (12.4 × 9	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)		

Note:

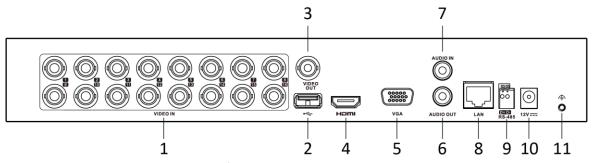
1: Motion detection 2.0 and perimeter protection cannot be enabled at the same time. Enable one function will make the other one unavailable.

2: Enhanced IP mode might be conflicted with smart events (face picture comparison, motion detection 2.0 and perimeter protection) or other functions, please refer to the user manual for details.

3: The number of audio inputs and alarm in/out can be optional. The tag on the package will describe audio input and alarm in/out parameters. For example, "4A+8/4ALM" means your device has 4 audio inputs, 8 alarm inputs and 4 alarm outputs. If your device only has 1 audio input, the tag may not describe it.



Physical Interface



*: The rear panel of iDS-7204HQHI-M1/S provides 4 video input interfaces. The rear panel of iDS-7208HQHI-M1/S provides 8 video input interfaces.

No.	Description	No.	Description
1	VIDEO IN	7	AUDIO IN, RCA connector
2	USB interface	8	LAN network interface
3	VIDEO OUT	9	RS-485 serial interface
4	HDMI interface	10	12 VDC power input
5	VGA interface	11	GND
6	AUDIO OUT, RCA connector		

Available Model

iDS-7204HQHI-M1/S, iDS-7208HQHI-M1/S, iDS-7216HQHI-M1/S

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