

iDS-7200HUHI-M2/S 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 8/16-ch IP camera inputs (up to 8 MP)
- Up to 10 TB capacity per HDD



















Compression and Recording

- H.265 Pro+ video compression improves encoding efficiency, and reduces data storage costs
- Recording at up to 8 MP resolution

Storage and Playback

- 2 SATA interfaces
- Smart search for efficient playback
- Support the third party cloud storage (Dropbox/Google Drive/Microsoft OneDrive)

Smart Function

- Deep learning-based motion detection, perimeter protection (line crossing and intrusion detection), or facial 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



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Specification

Model	iDS-7204HUHI-M2/S	iDS-7208HUHI-M2/S				
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 4-ch					
Facial Detection ¹						
Facial detection and capture	1-ch human face capture (HD analog ca	amera)				
Recording						
Video compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H	1.264				
Encoding resolution	Main stream: 8 MP@8 fps/5 MP@12 fps/4 MP@15 fps/8 MP Lite@15 fps/3 MP@18 fps 1080p/720p/WD1/4CIF/VGA/CIF@25 fps (P)/30 fps (N) *: 8 MP@8 fps is only available for channel 1, 8 MP Lite is only available for channel 2 to channel 4.	Main stream: 8 MP@8 fps/5 MP@12 fps/4 MP@15 fps/5 MP@18 fps 1080p/720p/WD1/4CIF/VGA/CIF@25 fps (P)/30 fps (N)				
Video bit rate	Sub-stream: WD1/4CIF/CIF@25 fps (P)/30 fps (N) rate 32 Kbps to 10 Mbps					
Dual stream	Support					
Stream type	Video, Video & Audio					
Audio compression	G.711u					
Audio bit rate	64 Kbps					
Video and Audio						
	2-ch (up to 6-ch)	4-ch (up to 12-ch)				
IP video input²	Enhanced IP mode on:	Enhanced IP mode on:				
, and the second	4-ch (up to 8-ch), each up to 4 Mbps	8-ch (up to 16-ch), each up to 4 Mbps				
	Up to 8 MP resolution					
	Support H.265+/H.265/H.264+/H.264 IP cameras					
Analog video input	4-ch	8-ch				
	BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection					
HDTVI input	8 MP, 5 MP, 4 MP, 3 MP, 1080p@30 fps, 1080p@25 fps, 720p@60 fps, 720p@50 fps, 720p@30 fps, 720p@25 fps	8 MP, 5 MP, 4 MP, 3 MP, 1080p@30 fps, 1080p@25 fps, 720p@60 fps, 720p@50 fps, 720p@30 fps, 720p@25 fps				
AHD input	5 MP, 4 MP, 1080p@25 fps, 1080p@30 fps, 720p@25 fps, 720p@30 fps					
HDCVI input	4 MP, 1080p@25 fps, 1080p@30 fps, 720p@25 fps, 720p@30 fps					
CVBS input	PAL/NTSC					
CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω),					



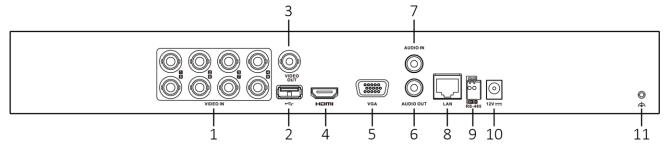
1280 × 1024/60Hz, 1280 × 720/60Hz, 1280 × 720/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz 1280 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1920 × 1080/60Hz, 1280 × 720/60Hz, 1280 × 768/60Hz 1024 × 768/60Hz		resolution: PAL: 704 × 576, NTSC: 704 >	< 480			
1280 × 720/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI/VGA simultaneous output HD	VGA output	1-ch, 1920 × 1080/60Hz, 1-ch, 1920 × 1080/60Hz,				
1024 × 768/60Hz HDMI/VGA simultaneous output 1-ch, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1920 × 1080/60Hz, 1920 × 1080/60H		1280 × 1024/60Hz,	1280 × 1024/60Hz,			
HDMI/VGA simultaneous output		1280 × 720/60Hz,	1280 × 720/60Hz,			
HDMI output 1-ch, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1920 × 1024/60Hz, 1920 × 1024/60Hz, 1920 × 1024/60Hz, 1024 × 768/60Hz		1024 × 768/60Hz	1024 × 768/60Hz			
1-ch, 2k (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1920 × 1080/60Hz, 1920 × 1080/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI/VGA simultaneous output HDMI/		HDMI/VGA simultaneous output	HDMI/VGA simultaneous output			
1920 × 1080/60Hz, 1280 × 2024/60Hz, 1280 × 2024/60Hz, 1280 × 2024/60Hz, 1024 × 768/60Hz 1024 × 768/60Hz 1024 × 768/60Hz 1024 × 768/60Hz HDMI/VGA simultaneous output HDMI/VGA scholor output	HDMI output	4 1 27/2550 4440\/5011	1-ch, 4K (3840 × 2160)/30Hz,			
1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI/VGA simultaneous output Audio input 1-ch, RCA (2.0 Vp-p, 1 KΩ) 4-ch via coaxial cable 8-ch via coaxial cable Audio output 1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the audio input) Synchronous playback 4-ch 8-ch Network Remote connection 32 64 TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF Network interface 1, RJ45 10/100 Mbps self-adaptive Ethernet interface Ethernet interface Wi-Fi Connectable to Wi-Fi network by Wi-Fi dongle through USB interface Auxiliary interface SATA 2 SATA interfaces Capacity Up to 10 TB capacity for each disk Serial interface RS-485 (half-duplex) Front panel: 1 × USB 2.0 Rear panel: 1 × USB 3.0 Alarm in/out N/A General Power supply 1 2 VDC, 2.3 A 12 VDC, 2.8 A Consumption (without HDD) Working temperature -10 °C to +55 °C (+14 °F to +131 °F) Working humidity 10% to 90% Dimension (W × D × H) 380 × 320 × 48 mm (15.0 × 12.6 × 1.9 inch)		, ,	1920 × 1080/60Hz,			
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1024 × 768/60Hz						
HDMI/VGA simultaneous output 1024 × 768/60H2 HDMI/VGA simultaneous output		· · ·	1280 × 720/60Hz,			
Audio input 1-ch, RCA (2.0 Vp-p, 1 KΩ) 4-ch via coaxial cable 8-ch via coaxial cable Audio output 1-ch, RCA (1.0 Vp-p, 1 KΩ) 1-ch, RCA (1.0 Vp-p, 1 KΩ) 1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the audio input) Synchronous playback 4-ch 8-ch Network Remote connection 32 64 Network protocol TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP [™] , HTTPS, ONVIF Network interface 1, RJ45 10/100 Mbps self-adaptive Ethernet interface Wi-Fi Connectable to Wi-Fi network by Wi-Fi dongle through USB interface Auxiliary interface SATA 2 SATA interfaces Capacity Up to 10 TB capacity for each disk Serial interface RS-485 (half-duplex) Front panel: 1 × USB 2.0 Rear panel: 1 × USB 2.0 Rear panel: 1 × USB 2.0 Rear panel: 1 × USB 3.0 Alarm in/out N/A General Power supply 12 VDC, 2.3 A 12 VDC, 2.8 A Consumption (without HDD) Working temperature -10 °C to +55 °C (+14 °F to +131 °F) Working humidity 10% to 90% Dimension (W × D × H) 380 × 320 × 48 mm (15.0 × 12.6 × 1.9 inch)		·	1024 × 768/60Hz			
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A-ch via coaxial cable Audio output 1-ch, RCA (Linear, 1 KΩ) Two-way audio 1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the autio input) Synchronous playback 4-ch 8-ch Network Remote connection 32 Network protocol Network protocol Network interface 1, RJ45 10/100 Mbps self-adaptive Ethernet interface 2 SATA (2 SATA interfaces) Capacity Up to 10 TB capacity for each disk Serial interface RS-485 (half-duplex) Rear panel: 1 × USB 2.0 Rear panel: 1 × USB 3.0 Alarm in/out N/A Consumption (without HDD) Working temperature - 10 °C to +55 °C (+14 °F to +131 °F) Working humidity Dimension (W × D × H) 380 × 320 × 48 mm (15.0 × 12.6 × 1.9 inch)		1-ch, RCA (2.0 Vp-p, 1 KΩ)				
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Synchronous playback 4-ch 8-ch Network 32 64 Network protocol TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF 1, RJ45 10/100 Mbps self-adaptive Ethernet interface 1, RJ45 10/100/1000 Mbps self-adaptive Ethernet interface Wi-Fi Connectable to Wi-Fi network by Wi-Fi dongle through USB interface Auxiliary interface Connectable to Wi-Fi network by Wi-Fi dongle through USB 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 Front panel: 1 × USB 2.0 Rear panel: 1 × USB 2.0 Rear panel: 1 × USB 3.0 Alarm in/out N/A General Power supply 12 VDC, 2.3 A 12 VDC, 2.8 A Consumption (without HDD) ≤ 10 W ≤ 15 W Working temperature -10 °C to +55 °C (+14 °F to +131 °F) Working humidity 10% to 90% Dimension (W × D × H) 380 × 320 × 48 mm (15.0 × 12.6 × 1.9 inch)	Audio output	1-ch, RCA (Linear, 1 KΩ)				
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Auxiliary interface SATA 2 SATA interfaces Capacity Up to 10 TB capacity for each disk Serial interface RS-485 (half-duplex) Front panel: 1 × USB 2.0 Rear panel: 1 × USB 2.0 Rear panel: 1 × USB 3.0 Alarm in/out N/A General Power supply 12 VDC, 2.3 A 12 VDC, 2.8 A Consumption (without HDD) Working temperature -10 °C to +55 °C (+14 °F to +131 °F) Working humidity Dimension (W × D × H) 380 × 320 × 48 mm (15.0 × 12.6 × 1.9 inch)	Network interface	Ethernet interface	Ethernet interface			
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General Power supply 12 VDC, 2.3 A 12 VDC, 2.8 A Consumption (without HDD) ≤ 10 W ≤ 15 W Working temperature -10 °C to +55 °C (+14 °F to +131 °F) Working humidity 10% to 90% Dimension (W × D × H) 380 × 320 × 48 mm (15.0 × 12.6 × 1.9 inch)	USB interface	Rear panel: 1 × USB 2.0	Rear panel: 1 × USB 3.0			
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Consumption (without HDD) ≤ 10 W ≤ 15 W Working temperature -10 °C to +55 °C (+14 °F to +131 °F) Working humidity 10% to 90% Dimension (W × D × H) 380 × 320 × 48 mm (15.0 × 12.6 × 1.9 inch)	General					
HDD) ≤ 10 W ≤ 15 W Working temperature -10 °C to +55 °C (+14 °F to +131 °F) Working humidity 10% to 90% Dimension (W × D × H) 380 × 320 × 48 mm (15.0 × 12.6 × 1.9 inch)	Power supply	12 VDC, 2.3 A	12 VDC, 2.8 A			
HDD) Working temperature -10 °C to +55 °C (+14 °F to +131 °F) Working humidity 10% to 90% Dimension (W × D × H) 380 × 320 × 48 mm (15.0 × 12.6 × 1.9 inch)	Consumption (without					
Working humidity 10% to 90% Dimension (W × D × H) 380 × 320 × 48 mm (15.0 × 12.6 × 1.9 inch)	HDD)	≤ 10 W	≤ 15 W			
Dimension (W × D × H) 380 × 320 × 48 mm (15.0 × 12.6 × 1.9 inch)	Working temperature	-10 °C to +55 °C (+14 °F to +131 °F)				
	Working humidity	·				
Weight (without HDD) ≤ 1.16 kg (2.6 lb) ≤ 1.78 kg (3.9 lb)	Dimension (W × D × H)					
	Weight (without HDD)	≤ 1.16 kg (2.6 lb)	≤ 1.78 kg (3.9 lb)			

Note:

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



Physical Interface



*: The rear panel of iDS-7204HUHI-M2/S provides 4 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-7204HUHI-M2/S, iDS-7208HUHI-M2/S

Distributed by			
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