



IDS-7200HUHI-M2/S SERIES TURBO ACUSENSE DVR

104-649C

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 8/16/32-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

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-7204HUHI-M2/S	iDS-7208HUHI-M2/S	iDS-7216HUHI-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				
Recording					
Video compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264				
·	Main stream:				
	8 MP@8 fps/5 MP@12 fps/3K@12				
	fps/4 MP@15 fps/8 MP Lite@15	Main stream:			
	fps/3 MP@18 fps	8 MP@8 fps/5 MP@12 fps/3K@12 fps/4			
Encoding resolution	1080p/720p/WD1/4CIF/VGA/CIF@25	MP@15 fps/3 MP@18 fps			
	fps (P)/30 fps (N)	1080p/720p/WD1/4CIF/VGA/CIF@25 fps (P)/30			
	*: 8 MP@8 fps is only available for	fps (N)			
	channel 1, 8 MP Lite is only available	. , ,			
	for channel 2 to channel 4.				
	Sub-stream:	<u> </u>			
	WD1/4CIF/CIF@25 fps (P)/30 fps (N)				
Video bit 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					
IP video input²	2-ch (up to 6-ch)	4-ch (up to 12-ch)	8-ch (up to 24-ch)		
	Enhanced IP mode on: 4-ch (up to 8-ch), each up to 4 Mbps	Enhanced IP mode on: 8-ch (up to 16-ch), each up to 4 Mbps	Enhanced IP mode on: 16-ch (up to 32-ch), each up to 4 Mbps		
	Up to 8 MP resolution	cach ap to 1 maps	cacif up to 1 maps		
	Support H.265+/H.265/H.264+/H.264 IP cameras				
	4-ch	8-ch	16-ch		
Analog video input	BNC interface (1.0 Vp-p, 75 Ω), support				
	8 MP@15 fps, 5 MP@20 fps, 3K@20				
HDTVI input	fps, 4 MP@30 fps, 4 MP@25 fps, 3	8 MP@15 fps, 5 MP@20 fps, 3K@20 fps, 4			
	MP@18 fps, 1080p@30 fps,	MP@30 fps, 4 MP@25 fps, 3 MP@18 fps,			
	1080p@25 fps, 720p@60 fps,	1080p@30 fps, 1080p@25 fps, 720p@60 fps,			
	720p@50 fps, 720p@30 fps,	720p@50 fps, 720p@30 fps, 720p@25 fps			
	720p@25 fps				
AHD input	5 MP@20 fps, 4 MP@30 fps, 1080p@25 fps, 1080p@30 fps, 720p@25 fps, 720p@30 fps				
HDCVI input	4 MP@30 fps, 4 MP@25 fps, 1080p@25 fps, 1080p@30 fps, 720p@25 fps, 720p@30 fps				
	@ 30 ips, + ivii @ 23 ips, 1000p@2	.5 .ps, 1000p@30 ips, 720			



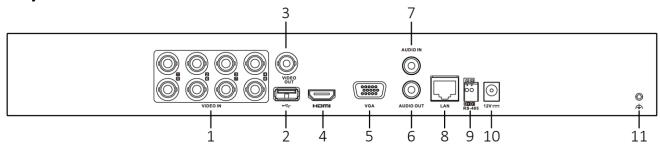
Audio input ³		I				
CVBS output resolution: PAL: 704 × 576, NTSC: 704 × 480 VGA output 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz HDMI/VGA simultaneous output 1-ch, 4K (3840 × 2160)/30Hz, 1280 × 1204/60Hz, 1280 × 1204/60Hz, 1280 × 1204/60Hz, 1280 × 1024/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1280 × 720/60Hz, 1280 × 720/60Hz, HDMI/VGA simultaneous output 16-ch value 16-	CVBS input	PAL/NTSC				
resolution: PAL: 704 × 576, NTSC: 704 × 480 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz HDMI/VGA simultaneous output	CVRS output	1-ch, BNC (1.0 Vp-p, 75 Ω),				
HDMI/VGA simultaneous output	CVB3 Output	resolution: PAL: 704 × 576, NTSC: 704 × 480				
HDMI output 1-ch, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 720/60Hz, 1280 × 720/60Hz, 1280 × 720/60Hz, HDMI/VGA simultaneous output HDMI/VGA sech is optionally RCA (2.0 Vp. p.	VGA output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz				
1-ch, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1920 × 1080/60Hz, 1280 × 1020/460Hz, 1280 × 1024/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 12		HDMI/VGA simultaneous output				
1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, HDMI/VGA simultaneous output 1-ch (up to 8-ch is optional), RCA (2.0 Vp-p, 1 KΩ) 4-ch via coaxial cable 1-ch (up to 8-ch is optional), RCA (2.0 Vp-p, 1 KΩ) 4-ch via coaxial cable 1-ch, RCA (Linear, 1 KΩ) 1-ch, RCA (Linear, 1 KΩ) 1-ch, RCA (Linear, 1 KΩ) 1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the audio input) 5ynchronous playback 4-ch 8-ch 16-ch Network Remote connection 32 1-CP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF Network 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/out³ N/A (optional to support) General Power supply 12 VDC, 2.3 A 12 VDC, 5.A Consumption (without HDD) Working temperature Vorking humidity 10% to 90% Dimension (W × D × H) 380 × 320 × 48 mm (15.0 × 12.6 × 1.9 inch)	HDMI output	1920 × 1080/60Hz, 1280 × 1024/60Hz,	1-ch, 4K (3840 × 2160)/30Hz,			
1280 × 1024/60Hz, 1280 × 720/60Hz, 1280 × 72			2K (2560 × 1440)/60Hz,			
1280 × 720/60Hz, HDMI/VGA simultaneous output 1280 × 720/60Hz, 1280 × 7			1920 × 1080/60Hz,			
HDMI/VGA simultaneous output 1280 × 720/60Hz, HDMI/VGA simultaneous output HDMI/VGA simultaneous output HDMI/VGA simultaneous output HDMI/VGA simultaneous output 1-ch (up to 4-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) 4-ch via coaxial cable 8-ch via coaxial cable 16-ch via coaxial cab			1280 × 1024/60Hz,			
HDMI/VGA simultaneous output		, ,	1280 × 720/60Hz,			
1-ch (up to 4-ch is optional), RCA (2.0 Vp-p, 1 KΩ) Optional), RCA (Holvii/ VGA simultaneous output	HDMI/VGA simultaneous output			
Audio input³ Vp-p, 1 KΩ) optionall, RCA (2.0 Vp-p, 1 KΩ) p, 1 KΩ) optionall, RCA (2.0 Vp-p, 1 KΩ) p, 1 KΩ) optionall, RCA (2.0 Vp-p, 1 KΩ) in the control of the contr		1 ch (up to 4 ch is entional) DCA (2.0	1-ch (up to 8-ch is	1-ch (up to 16-ch is		
P, 1 KΩ P,	Audio input ³		optional), RCA (2.0 Vp-	optional), RCA (2.0 Vp-		
Audio output 1-ch, RCA (Linear, 1 KΩ) Two-way audio 1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the audio input) Synchronous playback 4-ch 8-ch 16-ch Network Remote connection 32 64 128 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 1, RJ45 10/100/1000 Mbps self-adaptive Ethernet interface Wi-Fi 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 Rear panel: 1 × USB 3.0 Rear panel: 1 × USB 2.0 Rear panel: 1 × USB 3.0 Rear panel: 1 × USB 3.0 Alarm in/out³ N/A (optional to support) General Power supply 12 VDC, 2.3 A 12 VDC, 2.8 A 12 VDC, 5 A Consumption (without HDD) 4 (without how to volve to volve to volve to volve to volve to volve to	Audio input ²	νρ-ρ, 1 K32)	ρ, 1 ΚΩ)	p, 1 ΚΩ)		
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Synchronous playback 4-ch 8-ch 16-ch Network Remote connection 32 64 128 Network protocol ONVIF Network interface 1, RJ45 10/100 Mbps self-adaptive Ethernet interface Ethernet interface 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/out³ N/A (optional to support) General Power supply 12 VDC, 2.3 A 12 VDC, 2.8 A 12 VDC, 5 A Consumption (without HDD) 10 °C to +55 °C (+14 °F to +131 °F) Working temperature 10 °C 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)				
Network Remote connection 32 64 128 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 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 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 Front panel: 1 × USB 2.0 Rear panel: 1 × USB 2.0 Rear panel: 1 × USB 3.0 Alarm in/out³ N/A (optional to support) General Power supply 12 VDC, 2.3 A 12 VDC, 2.8 A 12 VDC, 5 A Consumption (without HDD) ≤ 10 W ≤ 15 W ≤ 19 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)	Two-way audio	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the audio input)				
Remote connection 32 64 128 Network protocol TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF 1, RJ45 10/100/1000 Mbps self-adaptive Ethernet interface Network 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 SATA 2 SATA interfaces Capacity Up to 10 TB capacity for each disk Serial interface RS-485 (half-duplex) USB interface RS-485 (half-duplex) Front panel: 1 × USB 2.0 Rear panel: 1 × USB 3.0 Rear panel: 1 × USB 3.0 Alarm in/out³ N/A (optional to support) General Support 12 VDC, 2.3 A 12 VDC, 2.8 A 12 VDC, 5 A Consumption (without HDD) ≤ 10 W ≤ 15 W ≤ 19 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)	Synchronous playback	4-ch	8-ch	16-ch		
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 1, RJ45 10/100/1000 Mbps self-adaptive Ethernet interface Wi-Fi 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 Rear panel: 1 × USB 2.0 Rear panel: 1 × USB 2.0 Rear panel: 1 × USB 3.0 Alarm in/out³ N/A (optional to support) General Power supply 12 VDC, 2.3 A 12 VDC, 2.8 A 12 VDC, 5 A Consumption (without HDD) ≤ 10 W ≤ 15 W ≤ 19 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)	Network					
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USB interfaceRear panel: $1 \times USB 2.0$ Rear panel: $1 \times USB 3.0$ Alarm in/out³N/A (optional to support)GeneralPower supply 12 VDC , 2.3 A 12 VDC , 2.8 A 12 VDC , 5 A Consumption (without HDD) $\leq 10 \text{ W}$ $\leq 15 \text{ W}$ $\leq 19 \text{ W}$ Working temperature $-10 \text{ °C to } +55 \text{ °C } (+14 \text{ °F to } +131 \text{ °F})$ Working humidity $10\% \text{ to } 90\%$ Dimension (W × D × H) $380 \times 320 \times 48 \text{ mm } (15.0 \times 12.6 \times 1.9 \text{ inch})$	Serial interface	RS-485 (half-duplex)				
Rear panel: $1 \times \text{USB } 2.0$ Rear panel: $1 \times \text{USB } 3.0$ Alarm in/out ³ N/A (optional to support) General Power supply 12 VDC, 2.3 A 12 VDC, 2.8 A 12 VDC, 5 A Consumption (without HDD) $\leq 10 \text{ W}$ $\leq 15 \text{ W}$ $\leq 19 \text{ W}$ Working temperature $-10 \text{ °C to } +55 \text{ °C } (+14 \text{ °F to } +131 \text{ °F})$ Working humidity $10\% \text{ to } 90\%$ Dimension (W × D × H) $380 \times 320 \times 48 \text{ mm } (15.0 \times 12.6 \times 1.9 \text{ inch})$	USB interface	Front panel: 1 × USB 2.0	Front panel: 1 × USB 2.0			
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Consumption (without HDD) ≤ 10 W ≤ 15 W ≤ 19 W Working temperature -10 °C to +55 °C (+14 °F to +131 °F) Working humidity 10% to 90% Dimension (W × D × H) $380 \times 320 \times 48 \text{ mm}$ (15.0 × 12.6 × 1.9 inch)	General					
HDD) ≤ 10 W ≤ 15 W ≤ 19 W Working temperature -10 °C to +55 °C (+14 °F to +131 °F) Working humidity 10% to 90% Dimension (W × D × H) $380 \times 320 \times 48 \text{ mm}$ (15.0 × 12.6 × 1.9 inch)	Power supply	12 VDC, 2.3 A	12 VDC, 2.8 A	12 VDC, 5 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		< 15 \W	< 10 W/		
Working humidity 10% to 90% Dimension (W × D × H) 380 × 320 × 48 mm (15.0 × 12.6 × 1.9 inch)	HDD)	> 10 AA	→ TO AA	→ 12 AA		
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	10% to 90%				
Weight (without HDD) < 1.16 kg (2.6 lh) < 1.78 kg (3.9 lh) < 2.1 kg (4.6 lh)	Dimension (W \times D \times H)	380 × 320 × 48 mm (15.0 × 12.6 × 1.9 inch)				
2 1.10 kg (2.0 lb)	Weight (without HDD)	≤ 1.16 kg (2.6 lb)	≤ 1.78 kg (3.9 lb)	≤ 2.1 kg (4.6 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-7204HUHI-M2/S and iDS-7216HUHI-M2/S provide 4 or 16 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		

ORDERING INFORMATION

104-649C

Hikvision iDS-7216HUHI-M2/S 16CH DVR 3TB HDD

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