



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

114-011C

### **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



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# Specification

Model	iDS-7204HUHI-M2/S	iDS-7208HUHI-M2/S	iDS-7216HUHI-M2/S	
Motion Detection 2.0 <sup>1</sup>				
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 <sup>1</sup>		· · ·		
Human/Vehicle Analysis	Up to 4-ch			
Recording				
Video compression	H.265 Pro+/H.265 Pro/H.265/H.264+/F	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		
	1080p/720p/WD1/4CIF/VGA/CIF@25	MP@15 fps/3 MP@18 fps		
Encoding resolution	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				
	2-ch (up to 6-ch)	4-ch (up to 12-ch)	8-ch (up to 24-ch)	
IP video input²	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			
Analog video input	4-ch	8-ch	16-ch	
	BNC interface (1.0 Vp-p, 75 $\Omega$ ), 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	F. C. 1. F. 7 F. C. 1. F. 7. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		
AHD input	5 MP@20 fps, 4 MP@30 fps, 1080p@2	⊥ 25 fps. 1080p@30 fps. 720	Dp@25 fps. 720n@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		



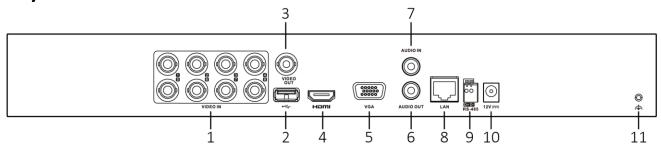
Audio input <sup>3</sup>		I				
CVBS output         resolution: PAL: 704 × 576, NTSC: 704 × 480           VGA output         1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz           HDMI/VGA simultaneous output         1-ch, 4K (3840 × 2160)/30Hz, 1280 × 1204/60Hz, 1280 × 1204/60Hz, 1280 × 1204/60Hz, 1280 × 1024/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1280 × 720/60Hz, 1280 × 720/60Hz, HDMI/VGA simultaneous output 1280 × 720/60Hz, HDMI/VGA s	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, RCA (Linear, 1 KΩ)  1-ch, RCA (Linear, 1 KΩ)  1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the audio input)  1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the audio input)  1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the audio input)  1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the audio input)  1-ch (up to 8-ch is optional), RCA (2.0 Vp-p, 1 KΩ)  1-ch (up to 10-ch is optional), RCA (2.0 Vp-p, 1 KΩ)  1-ch (up to 10-ch is optional), RCA (2.0 Vp-p, 1 KΩ)  1-ch (up to 10-ch is optional), RCA (2.0 Vp-p, 1 KΩ)  1-ch (up to 10-ch is optional), RCA (2.0 Vp-p, 1 KΩ)  1-ch (up to 10-ch is optional), RCA (2.0 Vp-p, 1 KΩ)  1-ch (up to 8-ch is optiona	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 8-ch is	1-ch (up to 16-ch is		
P, 1 KΩ   P,	Audio input <sup>3</sup>		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		ρ, 1 ΚΩ)	p, 1 ΚΩ)		
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         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         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)         4 10 °C to +55 °C (+14 °F to +131 °F)           Working humidity <td< th=""><th></th><th>4-ch via coaxial cable</th><th>8-ch via coaxial cable</th><th>16-ch via coaxial cable</th></td<>		4-ch via coaxial cable	8-ch via coaxial cable	16-ch via coaxial cable		
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					
Network protocol       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)         Pront 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       Senion (without HDD)       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)       Inch	Remote connection	32	64	128		
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/out³ N/A (optional to support)  General  Power supply 12 VDC, 2.3 A 12 VDC, 2.8 A 12 VDC, 2.8 A 12 VDC, 5 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)	Network protocol	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS,				
Network 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 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)	Treework protocol	ONVIF				
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/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)  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)	Notwork interfere	1, RJ45 10/100 Mbps self-adaptive 1, RJ45 10/100/1000 Mbps self-adaptive				
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 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)		Ethernet interface Ethernet 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 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)	Wi-Fi	Connectable to Wi-Fi network by Wi-Fi dongle through USB interface				
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/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)  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)	Auxiliary interface					
Serial interface       RS-485 (half-duplex)         USB interface       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 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)	SATA	2 SATA interfaces				
USB interface       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)	Capacity	Up to 10 TB capacity for each disk				
USB interfaceRear panel: $1 \times USB 2.0$ Rear panel: $1 \times USB 3.0$ Alarm in/out³N/A (optional to support)GeneralPower supply $12 \text{ VDC}$ , $2.3 \text{ A}$ $12 \text{ VDC}$ , $2.8 \text{ A}$ $12 \text{ VDC}$ , $5 \text{ A}$ 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 <sup>3</sup> 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			
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)		Rear panel: 1 × USB 2.0 Rear panel: 1 × USB 3.0				
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)	Alarm in/out <sup>3</sup>	N/A (optional to support)				
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		
<b>Dimension (W × D × H)</b> 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

114-011C

Hikvision iDS-7204HTHI-M1/S(C) 4CH 4K DVR inc 2TB HDD

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