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## IDS-7200HQHI-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
- HDTV/AVHD/CVI/CVBS/IP video inputs
- Audio via coaxial cable
- Up to 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

- Two 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-7208HQHI-M2/S	iDS-7216HQHI-M2/S
<b>Motion Detection 2.0<sup>1</sup></b>		
<b>Human/Vehicle Analysis</b>	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;	
<b>Perimeter Protection<sup>1</sup></b>		
<b>Human/Vehicle Analysis</b>	Up to 4-ch	
<b>Recording</b>		
<b>Video compression</b>	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264	
<b>Encoding resolution</b>	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 fps For 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)	
<b>Video bitrate</b>	32 Kbps to 6 Mbps	
<b>Dual stream</b>	Support	
<b>Stream type</b>	Video, Video & Audio	
<b>Audio compression</b>	G.711u	
<b>Audio bitrate</b>	64 Kbps	
<b>Video and Audio</b>		
<b>IP video input<sup>2</sup></b>	2-ch (up to 10-ch)	2-ch (up to 18-ch)
	Enhanced IP mode on: 4-ch (up to 12-ch), each up to 4 Mbps	Enhanced IP mode on: 8-ch (up to 24-ch), each up to 4 Mbps
	Up to 6 MP resolution	
	Support H.265+/H.265/H.264+/H.264 IP cameras	
<b>Analog video input</b>	8-ch	16-ch
	BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection	
<b>HDTV input</b>	3K@20 fps, 4 MP@30 fps, 4 MP@25 fps, 3 MP@18 fps, 1080p@30 fps, 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 1/2 of iDS-7208HQHI-M2/S, and for channel 1/2/3/4 of iDS-7216HQHI-M2/S.	
<b>AHD input</b>	4 MP@25 fps, 4 MP@30 fps, 1080p@25 fps, 1080p@30 fps, 720p@25 fps, 720p@30 fps	
<b>HDCVI input</b>	4 MP@25 fps, 4 MP@30 fps, 1080p@25 fps, 1080p@30 fps, 720p@25 fps, 720p@30 fps	

<b>CVBS input</b>	PAL/NTSC	
<b>CVBS output</b>	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480	
<b>HDMI output</b>	1-ch, 1920 × 1080/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz	
<b>VGA output</b>	1-ch, 1920 × 1080/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz	
<b>Video output mode</b>	HDMI/VGA simultaneous output	
<b>Audio input<sup>3</sup></b>	1-ch (up to 8-ch is optional), RCA (2.0 Vp-p, 1 KΩ)	1-ch (up to 16-ch is optional), RCA (2.0 Vp-p, 1 KΩ)
	8-ch via coaxial cable	16-ch via coaxial cable
<b>Audio output</b>	1-ch, RCA (Linear, 1 KΩ)	
<b>Two-way audio</b>	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the first audio input)	
<b>Synchronous playback</b>	8-ch	16-ch
<b>Network</b>		
<b>Remote connection</b>	64	128
<b>Network protocol</b>	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF	
<b>Network interface</b>	1, RJ45 10/100 Mbps self-adaptive Ethernet interface	1, RJ45 10/100/1000 Mbps self-adaptive Ethernet interface
<b>Wi-Fi</b>	Connectable to Wi-Fi network by Wi-Fi dongle through USB interface	
<b>Auxiliary interface</b>		
<b>SATA</b>	2 SATA interfaces, up to 10 TB capacity for each disk	
<b>Serial interface</b>	RS-485 (half-duplex)	
<b>USB interface</b>	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 2.0	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0
<b>Alarm in/out<sup>3</sup></b>	N/A (optional to support )	
<b>General</b>		
<b>Power supply</b>	12 VDC, 2.5 A	12 VDC, 3.3 A
<b>Consumption (without HDD)</b>	≤ 30 W	≤ 40 W
<b>Working temperature</b>	-10 °C to 55 °C (14 °F to 131 °F)	
<b>Working humidity</b>	10% to 90%	
<b>Dimension (W × D × H)</b>	380 × 320 × 48 mm (15.0" × 12.6" × 1.9")	
<b>Weight (without HDD)</b>	≤ 1.78 kg (3.9 lb.)	≤ 2 kg (4.4 lb.)

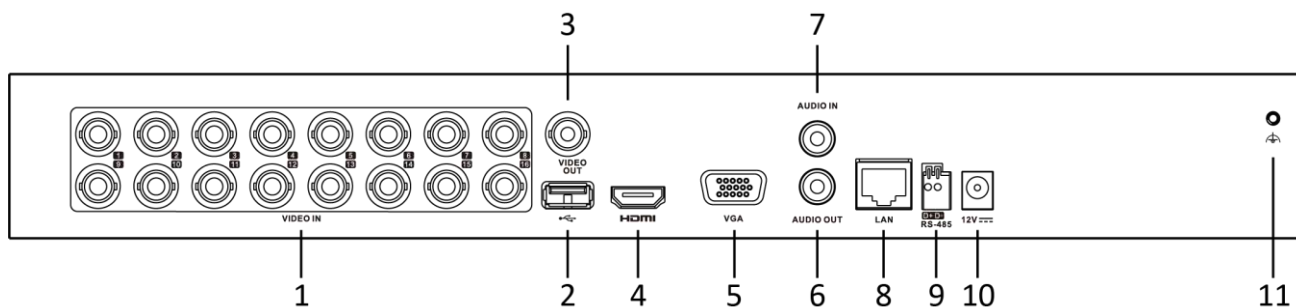
**Note:**

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 (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-7208HQHI-M2/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-7208HQHI-M2/S, iDS-7216HQHI-M2/S

Distributed by



### Headquarters

No.555 Qianmo Road, Binjiang District,  
Hangzhou 310051, China  
T +86-571-8807-5998  
[overseasbusiness@hikvision.com](mailto:overseasbusiness@hikvision.com)

**Hikvision USA**  
T +1-909-895-0400  
[sales.usa@hikvision.com](mailto:sales.usa@hikvision.com)

**Hikvision Australia**  
T +61-2-8599-4233  
[salesau@hikvision.com](mailto:salesau@hikvision.com)

**Hikvision India**  
T +91-22-28469900  
[sales@pramahikvision.com](mailto:sales@pramahikvision.com)

**Hikvision Canada**  
T +1-866-200-6690  
[sales.canada@hikvision.com](mailto:sales.canada@hikvision.com)

**Hikvision Thailand**  
T +662-275-9949  
[sales.thailand@hikvision.com](mailto:sales.thailand@hikvision.com)

**Hikvision Europe**  
T +31-23-5542770  
[sales.eu@hikvision.com](mailto:sales.eu@hikvision.com)

**Hikvision Italy**  
T +39-0438-6902  
[info.it@hikvision.com](mailto:info.it@hikvision.com)

**Hikvision Brazil**  
T +55 11 3318-0050  
[Latam.support@hikvision.com](mailto:Latam.support@hikvision.com)

**Hikvision Turkey**  
T +90 [216]521 7070- 7074  
[sales.tr@hikvision.com](mailto:sales.tr@hikvision.com)

**Hikvision Malaysia**  
T +601-7652-2413  
[sales.my@hikvision.com](mailto:sales.my@hikvision.com)

**Hikvision UK & Ireland**  
T +01628-902140  
[sales.uk@hikvision.com](mailto:sales.uk@hikvision.com)

**Hikvision South Africa**  
Tel: +27 [10] 0351172  
[sale.africa@hikvision.com](mailto:sale.africa@hikvision.com)

**Hikvision France**  
T +33[0]1-85-330-450  
[info.fr@hikvision.com](mailto:info.fr@hikvision.com)

**Hikvision Kazakhstan**  
T +7-727-9730667  
[nikia.panfilov@hikvision.ru](mailto:nikia.panfilov@hikvision.ru)

**Hikvision Vietnam**  
T +84-974270888  
[sales.vt@hikvision.com](mailto:sales.vt@hikvision.com)

**Hikvision UAE**  
T +971-4-4432090  
[salesme@hikvision.com](mailto:salesme@hikvision.com)

**Hikvision Singapore**  
T +65-6684-4718  
[sg@hikvision.com](mailto:sg@hikvision.com)

**Hikvision Spain**  
T +34-91-737-16-55  
[info.es@hikvision.com](mailto:info.es@hikvision.com)

**Hikvision Tashkent**  
T +99-87-1238-9438  
[uzb@hikvision.ru](mailto:uzb@hikvision.ru)

**Hikvision Hong Kong**  
T +852-2151-1761  
[info.hk@hikvision.com](mailto:info.hk@hikvision.com)

**Hikvision Russia**  
T +7-495-669-67-99  
[saleru@hikvision.com](mailto:saleru@hikvision.com)

**Hikvision Korea**  
T +82-[0]31-731-8817  
[sales.korea@hikvision.com](mailto:sales.korea@hikvision.com)

**Hikvision Poland**  
T +48-22-460-01-50  
[info.pl@hikvision.com](mailto:info.pl@hikvision.com)

**Hikvision Indonesia**  
T +62-21-2933759  
[Sales.Indonesia@hikvision.com](mailto:Sales.Indonesia@hikvision.com)

**Hikvision Colombia**  
[sales.colombia@hikvision.com](mailto:sales.colombia@hikvision.com)

04280002010918