

## iDS-7208HQHI-M1/FA TURBO ACUSENSE DVR

### Key Feature

- Deep learning-based motion detection 2.0 for all analog channels
- Deep learning-based face picture comparison
- 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 12-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

### Smart Function

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

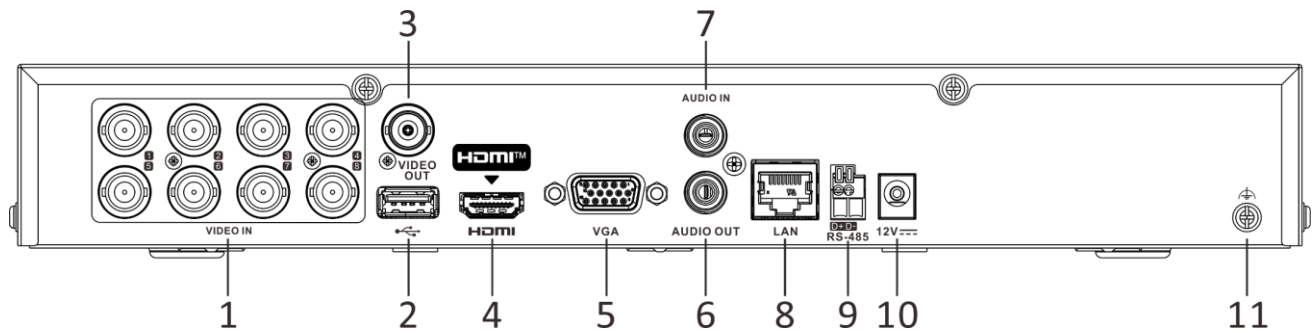
## ▪ Specification

Facial Recognition	
Face Picture Library	Up to 16 face picture libraries, with up to 500 face pictures in total (each picture ≤ 1 MB, total capacity ≤ 80 MB)
Face Picture Comparison (Captured from Camera)	Face picture comparison, face picture search (1-ch face picture comparison alarm for HD analog camera)
Motion Detection 2.0	
Human/Vehicle Analysis	<p>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;</p> <p>Quick search by object or event type is supported;</p>
Perimeter Protection	
Human/Vehicle Analysis	<p>Up to 4-ch</p> <p>Note: Face picture comparison, motion detection 2.0 and perimeter protection cannot be enabled at the same time. Enable one function will make the other two unavailable.</p>
Recording	
Video Compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264
Encoding Resolution	<p>When 1080p Lite mode is not enabled:</p> <p>4 MP Lite/3 MP/1080p/720p/VGA/WD1/4CIF/CIF;</p> <p>When 1080p Lite mode is enabled:</p> <p>4 MP Lite/1080p Lite/720p Lite/VGA/WD1/4CIF/CIF</p>
Frame Rate	<p>Main stream:</p> <p>When 1080p lite mode not enabled:</p> <p>For 4 MP stream access:</p> <p>4 MP lite@15 fps; 1080p lite/720p/WD1/4CIF/VGA/CIF@25 fps (P)/30 fps (N)</p> <p>For 3 MP stream access: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF@15 fps</p> <p>For 1080p stream access:</p> <p>1080p/720p@15 fps; VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N)</p> <p>For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N)</p> <p>When 1080p Lite mode enabled:</p> <p>4 MP lite/3 MP@15 fps; 1080p lite/720p lite/VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N)</p> <p>Sub-stream:</p> <p>WD1/4CIF@12 fps; CIF@25 fps (P)/30 fps (N)</p>
Video Bitrate	32 Kbps to 6 Mbps
Dual-stream	Support

Stream Type	Video, Video & Audio
Audio Compression	G.711u
Audio Bitrate	64 Kbps
<b>Video and Audio</b>	
IP Video Input	<p>2-ch (up to 10-ch)</p> <p>Enhanced IP mode on:</p> <p>4-ch (up to 12-ch), each up to 4 Mbps</p> <p>Up to 6 MP resolution</p> <p>Support H.265+/H.265/H.264+/H.264 IP cameras</p> <p>Note: 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.</p>
Analog Video Input	<p>8-ch</p> <p>BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection</p>
HDTVI Input	<p>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</p> <p>*: The 3 MP signal input is only available for channel 1 of iDS-7204HQHI-M1/FA, for channel 1/2 of iDS-7208HQHI-M1/FA, and for channel 1/2/3/4 of iDS-7216HQHI-M1/FA.</p>
AHD Input	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
HDMI Output	<p>1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz,</p> <p>HDMI/VGA simultaneous output</p>
VGA Output	<p>1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz,</p> <p>HDMI/VGA simultaneous output</p>
CVBS Output	<p>1-ch, BNC (1.0 Vp-p, 75 Ω),</p> <p>resolution: PAL: 704 × 576, NTSC: 704 × 480</p>
Audio Input	<p>1-ch (up to 8-ch is optional), RCA (2.0 Vp-p, 1 KΩ)</p> <p>8-ch via coaxial cable</p> <p>Note: 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.</p>
Audio Output	1-ch, RCA (Linear, 1 KΩ)
Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the first audio input)
Synchronous playback	8-ch

Network	
Remote Connection	64
Total Bandwidth	96 Mbps
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	
Serial Interface	RS-485 (half-duplex)
SATA	1 SATA interface, up to 10 TB capacity for each disk
Alarm In/Out	N/A (optional to support)
USB Interface	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 2.0
General	
Power Supply	12 VDC, 1.5 A
Consumption	≤ 18 W (without HDD)
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)
Weight	≤ 1.78 kg (3.9 lb) (without HDD)

## Physical Interface



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-M1/FA

### Headquarters

No.555 Qianmo Road, Binjiang District,  
Hangzhou 310051, China  
T +86-571-8807-5998  
www.hikvision.com



Follow us on social media to get the latest product and solution information.

