

iDS-7208HQHI-M2/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

- 2 SATA interfaces
- 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 Comparison	Face picture comparison, face picture search (1-ch face picture comparison alarm for HD analog camera)
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)
Motion Detection 2.0	
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	
Human/Vehicle Analysis	Up to 4-ch
Recording	
Video Compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264
Encoding Resolution	When 1080p Lite mode is not enabled: 3K lite/5 MP lite/4 MP lite/1080p/720p/VGA/WD1/4CIF/CIF; When 1080p Lite mode is enabled: 3K lite/5 MP lite/4 MP lite/1080p lite/720p lite/VGA/WD1/4CIF/CIF
Frame Rate	Main stream: When 1080p Lite mode not enabled: For 3K stream access: 3K lite@12fps;4 MP lite/1080p@15fps;720p/WD1/4CIF/VGA/CIF@20fps For 5 MP stream access: 5 MP lite@12fps;4 MP lite/1080p@15fps;720p/WD1/4CIF/VGA/CIF@20fps For 4 MP stream access: 4 MP lite/1080p@15fps;720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N) For 1080p stream access: 1080p/720p@15fps; VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) When 1080p Lite mode enabled: 3K lite/5 MP lite@12fps;4 MP lite@15fps;1080p lite/720p lite/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) Sub-stream: WD1/4CIF@12fps; CIF@25fps (P)/30fps (N)
Video Bitrate	32 Kbps to 6 Mbps

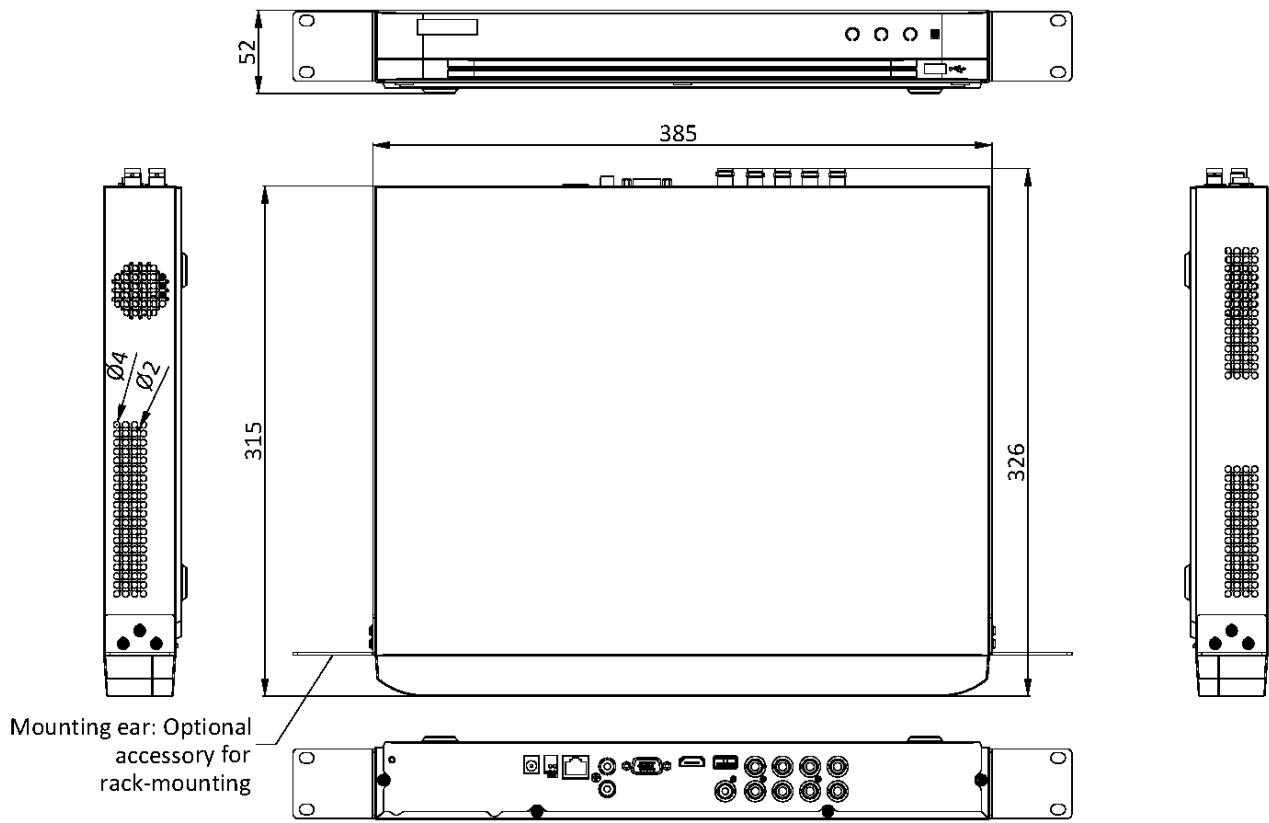
Dual-stream	Support
Stream Type	Video, Video & Audio
Audio Compression	G.711u
Audio Bitrate	64 Kbps
Video and Audio	
IP Video Input	2-ch (up to 10-ch) Enhanced IP mode on: 4-ch (up to 12-ch), each up to 4 Mbps Up to 6 MP resolution Support H.265+/H.265/H.264+/H.264 IP cameras Support H.265+/H.265/H.264+/H.264 IP cameras
Analog Video Input	8-ch BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection
HDTVl Input	3K(2960 x 1665)@20 fps, 5 MP(2560 x 1944)@20 fps, 4 MP(2560 x 1440)@30 fps, 4 MP(2560 x 1440)@25 fps, 1080p@30 fps, 1080p@25 fps, 720p@30 fps, 720p@25 fps
AHD Input	5 MP(2560 x 1944)@20 fps, 4 MP(2560 x 1440)@30 fps, 4 MP(2560 x 1440)@25 fps, 1080p@30 fps, 1080p@25 fps, 720p@30 fps, 720p@25 fps
HDCVI Input	5 MP(2592 x 1944)@20 fps, 4 MP(2560 x 1440)@30 fps, 4 MP(2560 x 1440)@25 fps, 1080p@30 fps, 1080p@25 fps, 720p@30 fps, 720p@25 fps
CVBS Input	PAL/NTSC
CVBS Output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 x 576, NTSC: 704 x 480
HDMI Output	1-ch, 1920 x 1080/60Hz, 1280 x 1024/60Hz, 1280 x 720/60Hz, HDMI/VGA simultaneous output
VGA Output	1-ch, 1920 x 1080/60Hz, 1280 x 1024/60Hz, 1280 x 720/60Hz, HDMI/VGA simultaneous output
Audio Input	1-ch (up to 8-ch is optional), RCA (2.0 Vp-p, 1 KΩ) 8-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 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	
SATA	2 SATA interface, 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
Alarm In/Out	N/A (optional to support)
General	
Power Supply	12 VDC, 2.5 A
Consumption	≤ 30 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)
Weight	≤ 1.78 kg (3.9 lb)

Note:

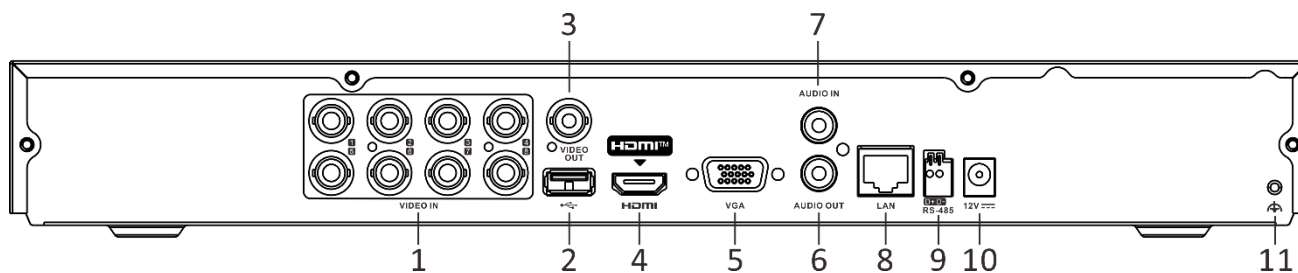
- 1: Face picture comparison, motion detection 2.0 and perimeter protection cannot be enabled at the same time. Enable one function will make the other two unavailable.
- 2: Enhanced IP mode might be conflicted with smart events (face picture comparison, motion detection 2.0 and perimeter protection) 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.

Dimension



scale/1:1;Unit/mm

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-M2/FA

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