

## IDS-7200HQHI-K2/S (C) (B) 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
- HDTVI/AHD/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-K2/4S (C)   | iDS-7216HQHI-K2/4S (B)  |
|---|--|---|
| <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;<br>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:<br>When 1080p Lite mode not enabled:<br>For 4 MP stream access:<br>4 MP lite@15 fps; 1080p lite/720p/WD1/4CIF/VGA/CIF@25 fps (P)/30 fps (N)<br>For 3 MP stream access: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF@15 fps<br>For 1080p stream access:<br>1080p/720p@15 fps; VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N)<br>For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N)<br>When 1080p Lite mode enabled:<br>4 MP lite/3 MP@15 fps; 1080p lite/720p lite/VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N) |   |
|   | Sub-stream:<br>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:<br>4-ch (up to 12-ch), each up to 4 Mbps  | Enhanced IP mode on:<br>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>HDTVl input</b>                      | 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<br><b>*: 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>   |   |
| <b>AHD input</b>                        | 4 MP, 1080p@25 fps, 1080p@30 fps, 720p@25 fps, 720p@30 fps   |   |
| <b>HDCVI input</b>                      | 4 MP, 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),<br>resolution: PAL: 704 × 576, NTSC: 704 × 480                                  |   |
| <b>HDMI/VGA output</b>           | 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz,<br>1024 × 768/60Hz, 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;<br>Rear panel: 1 × USB 2.0  | Front panel: 1 × USB 2.0;<br>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 inch)  |   |
| <b>Weight (without HDD)</b>      | ≤ 1.78 kg (3.9 lb)  | ≤ 2 kg (4.4 lb)   |

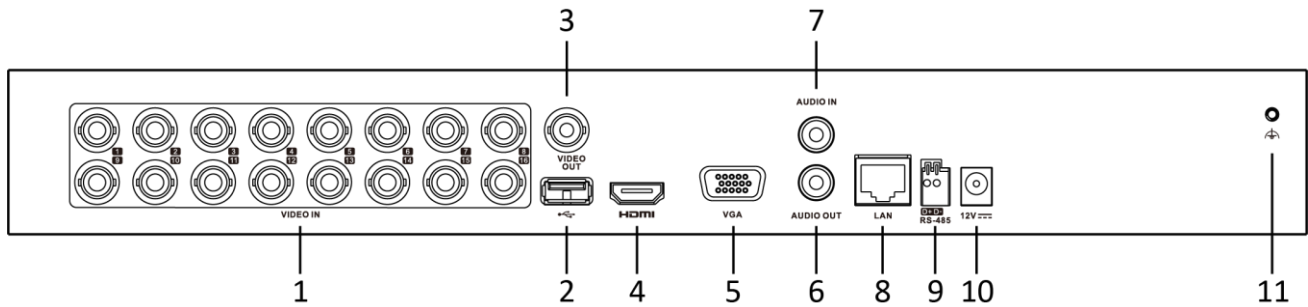
**Note:**

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 (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-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

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