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
- HDTVI/AHD/TVI/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

www.hikvision.com
## Specification

<table>
<thead>
<tr>
<th>Model</th>
<th>.ids-7208hqhi-m2/s</th>
<th>ids-7216hqhi-m2/s</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Motion Detection 2.0¹</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Human/Vehicle Analysis</td>
<td>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;</td>
<td></td>
</tr>
<tr>
<td>Perimeter Protection¹</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Human/Vehicle Analysis</td>
<td>Up to 4-ch</td>
<td></td>
</tr>
</tbody>
</table>

### Recording

<table>
<thead>
<tr>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Encoding resolution</td>
<td>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)</td>
</tr>
<tr>
<td>Video bitrate</td>
<td>32 Kbps to 6 Mbps</td>
</tr>
<tr>
<td>Dual stream</td>
<td>Support</td>
</tr>
<tr>
<td>Stream type</td>
<td>Video, Video &amp; Audio</td>
</tr>
<tr>
<td>Audio compression</td>
<td>G.711u</td>
</tr>
<tr>
<td>Audio bitrate</td>
<td>64 Kbps</td>
</tr>
</tbody>
</table>

### Video and Audio

<table>
<thead>
<tr>
<th>IP video input²</th>
<th>2-ch (up to 10-ch)</th>
<th>2-ch (up to 18-ch)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enhanced IP mode on:</td>
<td>4-ch (up to 12-ch), each up to 4 Mbps</td>
<td>Enhanced IP mode on:</td>
</tr>
<tr>
<td>Up to 6 MP resolution</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Support H.265+/H.265/H.264+/H.264 IP cameras</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Analog video input</td>
<td>8-ch</td>
<td>16-ch</td>
</tr>
<tr>
<td>BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HDTVI input</td>
<td>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</td>
<td></td>
</tr>
<tr>
<td>*: 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.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AHD input</td>
<td>4 MP, 1080p@25 fps, 1080p@30 fps, 720p@25 fps, 720p@30 fps</td>
<td></td>
</tr>
<tr>
<td>HDCVI input</td>
<td>4 MP, 1080p@25 fps, 1080p@30 fps, 720p@25 fps, 720p@30 fps</td>
<td></td>
</tr>
<tr>
<td>CVBS input</td>
<td>PAL/NTSC</td>
<td></td>
</tr>
</tbody>
</table>
### CVBS output
- 1-ch, BNC (1.0 Vp-p, 75 Ω),
- resolution: PAL: 704 × 576, NTSC: 704 × 480

### HDMI output
- 1-ch, 1920 × 1080/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz

### VGA output
- 1-ch, 1920 × 1080/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz

### Video output mode
- 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
- 16-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
- 16-ch

### Network
- Remote connection: 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
- Wi-Fi: Connectable to Wi-Fi network by Wi-Fi dongle through USB interface

### Auxiliary interface
- SATA: 2 SATA interfaces, 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
- Front panel: 1 × USB 2.0;
- Rear panel: 1 × USB 3.0

### Alarm in/out
- N/A (optional to support)

### General
- Power supply: 12 VDC, 2.5 A
- Consumption (without HDD): ≤ 30 W
- ≤ 40 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”)
- Weight (without HDD): ≤ 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

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>VIDEO IN</td>
<td>7</td>
<td>AUDIO IN, RCA connector</td>
</tr>
<tr>
<td>2</td>
<td>USB interface</td>
<td>8</td>
<td>LAN network interface</td>
</tr>
<tr>
<td>3</td>
<td>VIDEO OUT</td>
<td>9</td>
<td>RS-485 serial interface</td>
</tr>
<tr>
<td>4</td>
<td>HDMI interface</td>
<td>10</td>
<td>12 VDC power input</td>
</tr>
<tr>
<td>5</td>
<td>VGA interface</td>
<td>11</td>
<td>GND</td>
</tr>
<tr>
<td>6</td>
<td>AUDIO OUT, RCA connector</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*: The rear panel of iDS-7208HQHI-M2/S provides 8 video input interfaces.

## Available Model

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

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