iDS-7200HUHI-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/CVI/CVBS/IP video inputs
- Audio via coaxial cable
- Up to 8/16/32-ch IP camera inputs (up to 8 MP)
- Up to 10 TB capacity per HDD

Compression and Recording
- H.265 Pro+ video compression improves encoding efficiency, and reduces data storage costs
- Recording at up to 8 MP resolution

Storage and Playback
- 2 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-7204HUHI-M2/S</th>
<th>iDS-7208HUHI-M2/S</th>
<th>iDS-7216HUHI-M2/S</th>
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</thead>
<tbody>
<tr>
<td><strong>Motion Detection 2.0</strong>¹</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>
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<tr>
<td><strong>Human/Vehicle Analysis</strong></td>
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<tr>
<td><strong>Perimeter Protection</strong>¹</td>
<td>Up to 4-ch</td>
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<tr>
<td><strong>Recording</strong></td>
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<tr>
<td><strong>Video compression</strong></td>
<td>H.265 Pro+/H.265 Pro/H.265/H.264+/H.264</td>
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</tr>
<tr>
<td><strong>Encoding resolution</strong></td>
<td>Main stream: 8 MP@8 fps/5 MP@12 fps/3K@12 fps/4 MP@15 fps/8 MP Lite@15 fps/3 MP@18 fps 1080p/720p/WD1/4CIF/VGA/CIF@25 fps (P)/30 fps (N) *: 8 MP@8 fps is only available for channel 1, 8 MP Lite is only available for channel 2 to channel 4.</td>
<td>Main stream: 8 MP@8 fps/5 MP@12 fps/3K@12 fps/4 MP@15 fps/3 MP@18 fps 1080p/720p/WD1/4CIF/VGA/CIF@25 fps (P)/30 fps (N)</td>
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<tr>
<td><strong>Video bit rate</strong></td>
<td>32 Kbps to 10 Mbps</td>
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<tr>
<td><strong>Dual stream</strong></td>
<td>Support</td>
<td></td>
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<tr>
<td><strong>Stream type</strong></td>
<td>Video, Video &amp; Audio</td>
<td></td>
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<tr>
<td><strong>Audio compression</strong></td>
<td>G.711u</td>
<td></td>
<td></td>
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<tr>
<td><strong>Audio bit rate</strong></td>
<td>64 Kbps</td>
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<tr>
<td><strong>Video and Audio</strong></td>
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<tr>
<td><strong>IP video input</strong>²</td>
<td>2-ch (up to 6-ch) Enhanced IP mode on: 4-ch (up to 8-ch), each up to 4 Mbps</td>
<td>4-ch (up to 12-ch) Enhanced IP mode on: 8-ch (up to 16-ch), each up to 4 Mbps</td>
<td>8-ch (up to 24-ch) Enhanced IP mode on: 16-ch (up to 32-ch), each up to 4 Mbps</td>
</tr>
<tr>
<td><strong>Analog video input</strong></td>
<td>4-ch</td>
<td>8-ch</td>
<td>16-ch</td>
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<td></td>
<td>BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection</td>
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<tr>
<td><strong>HDTVI input</strong></td>
<td>8 MP@15 fps, 5 MP@20 fps, 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</td>
<td>8 MP@15 fps, 5 MP@20 fps, 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</td>
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<tr>
<td><strong>AHD input</strong></td>
<td>5 MP, 4 MP, 1080p@25 fps, 1080p@30 fps, 720p@25 fps, 720p@30 fps</td>
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<tr>
<td><strong>HDCVI input</strong></td>
<td>4 MP, 1080p@25 fps, 1080p@30 fps, 720p@25 fps, 720p@30 fps</td>
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</table>
### CVBS input
PAL/NTSC

### CVBS output
1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480

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

### HDMI output
1-ch, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
HDMI/VGA simultaneous output

### Audio input³
1-ch (up to 4-ch is optional), RCA (2.0 Vp-p, 1 KΩ)
4-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 audio input)

### Synchronous playback
4-ch

### Network
Remote connection
32
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
1, RJ45 10/100/1000 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

Capacity
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/out³
N/A (optional to support)

### General
Power supply
12 VDC, 2.3 A
12 VDC, 2.8 A
12 VDC, 5 A

Consumption (without HDD)
≤ 10 W
≤ 15 W
≤ 19 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 (without HDD)
≤ 1.16 kg (2.6 lb)
≤ 1.78 kg (3.9 lb)
≤ 2.1 kg (4.6 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.
The rear panel of iDS-7204HUHI-M2/S and iDS-7216HUHI-M2/S provide 4 or 16 video input interfaces.

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<tr>
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<tr>
<td>1</td>
<td>VIDEO IN</td>
<td>7</td>
<td>AUDIO IN, RCA connector</td>
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<tr>
<td>2</td>
<td>USB interface</td>
<td>8</td>
<td>LAN network interface</td>
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<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>
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<tr>
<td>5</td>
<td>VGA interface</td>
<td>11</td>
<td>GND</td>
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<tr>
<td>6</td>
<td>AUDIO OUT, RCA connector</td>
<td>11</td>
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</table>

Available Model