

## iDS-7200HUHI-M1/S 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 8/16-ch IP camera inputs (up to 8 MP)
- Up to 10 TB capacity per HDD



### Compression and Recording

- H.265 Pro+ can be enabled to improve encoding efficiency and reduce data storage costs
- Recording at up to 8 MP resolution

### Storage and Playback

- 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-7204HUHI-M1/S                                                                                                                                                                                                                                            |                                                                                                                                                            | iDS-7208HUHI-M1/S |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Motion Detection 2.0 <sup>1</sup> |                                                                                                                                                                                                                                                              |                                                                                                                                                            |                   |
| 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;<br>Quick search by object or event type is supported; |                                                                                                                                                            |                   |
| Perimeter Protection <sup>1</sup> |                                                                                                                                                                                                                                                              |                                                                                                                                                            |                   |
| Human/Vehicle Analysis            | Up to 4-ch                                                                                                                                                                                                                                                   |                                                                                                                                                            |                   |
| Recording                         |                                                                                                                                                                                                                                                              |                                                                                                                                                            |                   |
| Video compression                 | H.265 Pro+/H.265 Pro/H.265/H.264+/H.264                                                                                                                                                                                                                      |                                                                                                                                                            |                   |
| Encoding resolution               | Main stream:<br>8 MP@8 fps/5 MP@12 fps/3K@12 fps/4 MP@15 fps/8 MP Lite@15 fps/3 MP@18 fps<br>1080p/720p/WD1/4CIF/VGA/CIF@25 fps (P)/30 fps (N)<br>*: 8 MP@8 fps is only available for channel 1, 8 MP Lite is only available for channel 2 to channel 4.     | Main stream:<br>8 MP@8 fps/5 MP@12 fps/3K@12 fps/4 MP@15 fps/3 MP@18 fps<br>1080p/720p/WD1/4CIF/VGA/CIF@25 fps (P)/30 fps (N)                              |                   |
|                                   | Sub-stream:<br>WD1/4CIF/CIF@25 fps (P)/30 fps (N)                                                                                                                                                                                                            |                                                                                                                                                            |                   |
| Video bitrate                     | 32 Kbps to 10 Mbps                                                                                                                                                                                                                                           |                                                                                                                                                            |                   |
| Dual stream                       | Support                                                                                                                                                                                                                                                      |                                                                                                                                                            |                   |
| Stream type                       | Video, Video & Audio                                                                                                                                                                                                                                         |                                                                                                                                                            |                   |
| Audio compression                 | G.711u                                                                                                                                                                                                                                                       |                                                                                                                                                            |                   |
| Audio bitrate                     | 64 Kbps                                                                                                                                                                                                                                                      |                                                                                                                                                            |                   |
| Video and Audio                   |                                                                                                                                                                                                                                                              |                                                                                                                                                            |                   |
| IP video input <sup>2</sup>       | 2-ch (up to 6-ch)                                                                                                                                                                                                                                            | 4-ch (up to 12-ch)                                                                                                                                         |                   |
|                                   | Enhanced IP mode on:<br>4-ch (up to 8-ch), each up to 4 Mbps                                                                                                                                                                                                 | Enhanced IP mode on:<br>8-ch (up to 16-ch), each up to 4 Mbps                                                                                              |                   |
|                                   | Up to 8 MP resolution                                                                                                                                                                                                                                        |                                                                                                                                                            |                   |
|                                   | Support H.265+/H.265/H.264+/H.264 IP cameras                                                                                                                                                                                                                 |                                                                                                                                                            |                   |
| Analog video input                | 4-ch                                                                                                                                                                                                                                                         | 8-ch                                                                                                                                                       |                   |
|                                   | BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection                                                                                                                                                                                              |                                                                                                                                                            |                   |
| HDTVI input                       | 8 MP@15 fps, 5 MP@20 fps, 3K@20 fps, 4 MP@30 fps, 4 MP@25 fps, 3 MP@18 fps, 1080p30, 1080p@25 fps, 720p@60 fps, 720p@50 fps, 720p@30 fps, 720p@25 fps                                                                                                        | 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 |                   |
| AHD input                         | 5 MP@20 fps, 4 MP@25 fps, 4 MP@30 fps, 1080p@25 fps, 1080p@30 fps, 720p@25 fps, 720p@30 fps                                                                                                                                                                  |                                                                                                                                                            |                   |
| HDCVI input                       | 5 MP@20 fps , 4 MP@25 fps, 4 MP@30 fps, 1080p@25 fps, 1080p@30 fps, 720p@25 fps, 720p@30 fps                                                                                                                                                                 |                                                                                                                                                            |                   |

|                           |                                                                                           |                                                                                                                     |
|---------------------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| CVBS input                | PAL/NTSC                                                                                  |                                                                                                                     |
| CVBS output               | 1-ch, BNC (1.0 Vp-p, 75 Ω),<br>resolution: PAL: 704 × 576, NTSC: 704 × 480                |                                                                                                                     |
| VGA output                | 1-ch, 1920 × 1080/60Hz,<br>1280 × 1024/60Hz,<br>1280 × 720/60Hz                           | 1-ch, 1920 × 1080/60Hz,<br>1280 × 1024/60Hz,<br>1280 × 720/60Hz                                                     |
| HDMI output               | 1-ch, 2K (2560 × 1440)/60Hz,<br>1920 × 1080/60Hz,<br>1280 × 1024/60Hz,<br>1280 × 720/60Hz | 1-ch, 4K (3840 × 2160)/30Hz,<br>2K (2560 × 1440)/60Hz,<br>1920 × 1080/60Hz,<br>1280 × 1024/60Hz,<br>1280 × 720/60Hz |
| Video output mode         | HDMI/VGA simultaneous output                                                              |                                                                                                                     |
| Audio input <sup>3</sup>  | 1-ch (up to 4-ch is optional), RCA (2.0 Vp-p, 1 KΩ)                                       | 1-ch (up to 8-ch is optional), RCA (2.0 Vp-p, 1 KΩ)                                                                 |
|                           | 4-ch via coaxial cable                                                                    | 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 audio input)                                        |                                                                                                                     |
| Synchronous playback      | 4-ch                                                                                      | 8-ch                                                                                                                |
| Network                   |                                                                                           |                                                                                                                     |
| Remote connections        | 32                                                                                        | 64                                                                                                                  |
| Network protocols         | 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                      | 1 SATA interface                                                                          |                                                                                                                     |
| Capacity                  | Up to 10 TB capacity for each disk                                                        |                                                                                                                     |
| Serial interface          | RS-485 (half-duplex)                                                                      |                                                                                                                     |
| USB interface             | 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                                                                 |
| Alarm in/out <sup>3</sup> | N/A (optional to support)                                                                 |                                                                                                                     |
| General                   |                                                                                           |                                                                                                                     |
| Power supply              | 12 VDC, 1.5 A                                                                             | 12 VDC, 2 A                                                                                                         |
| Consumption (without HDD) | ≤ 10 W                                                                                    | ≤ 15 W                                                                                                              |
| 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 (without HDD)      | ≤ 1.16 kg (2.6 lb)                                                                        | ≤ 2 kg (4.4 lb)                                                                                                     |

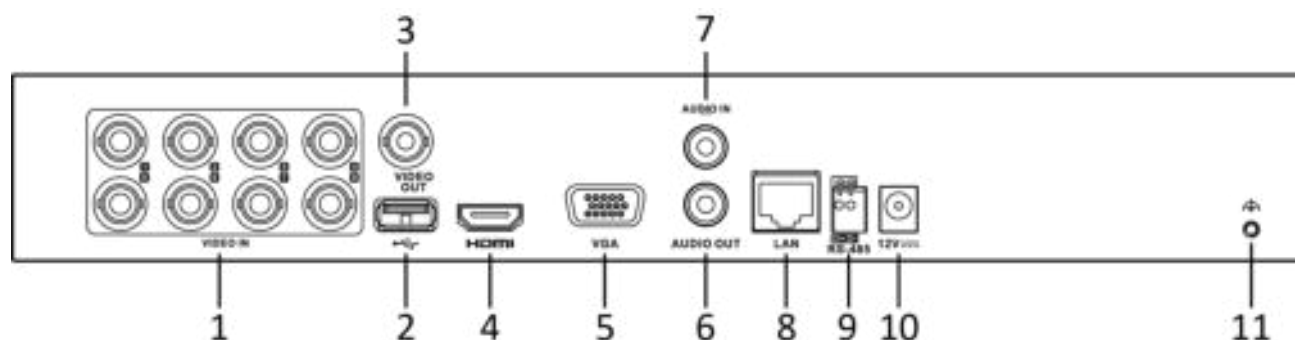
**Note:**

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 (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-7204HUHI-M1/S provides 4 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-7204HUHI-M1/S, iDS-7208HUHI-M1/S

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