

## iDS-7208HUHI-E2/S 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 16-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

### 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

| Motion Detection 2.0         |                                                                                                                                                                                                                                                                         |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Human/Vehicle Analysis       | <p>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;</p> <p>Quick search by object or event type is supported;</p> |
| Perimeter Protection         |                                                                                                                                                                                                                                                                         |
| Human/Vehicle Analysis       | Up to 4-ch                                                                                                                                                                                                                                                              |
| Facial Detection             |                                                                                                                                                                                                                                                                         |
| Facial Detection and Capture | Face picture detection, face picture search                                                                                                                                                                                                                             |
| Recording                    |                                                                                                                                                                                                                                                                         |
| Video Compression            | H.265 Pro+/H.265 Pro/H.265/H.264+/H.264                                                                                                                                                                                                                                 |
| Encoding Resolution          | 8 MP/5 MP/3K/4 MP/3 MP/1080p/720p/WD1/4CIF/VGA/CIF                                                                                                                                                                                                                      |
| Frame Rate                   | <p>Main stream:</p> <p>8 MP@8 fps/3K@12 fps/5 MP@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)</p> <p>Sub-stream:</p> <p>WD1/4CIF/CIF@25 fps (P)/30 fps (N)</p>                                                 |
| 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               | <p>4-ch (up to 12-ch)</p> <p>Up to 8 MP resolution</p> <p>Enhanced IP mode on:</p> <p>8-ch (up to 16-ch), each up to 4 Mbps</p> <p>Support H.265+/H.265/H.264+/H.264 IP cameras</p>                                                                                     |
| Analog Video Input           | 8-ch;BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection                                                                                                                                                                                                    |

|                            |                                                                                                                                                                                                                                                       |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HDMI Output                | HDMI:<br>1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz,<br>1920 × 1080/60Hz,<br>1280 × 1024/60Hz,<br>1280 × 720/60Hz<br>VGA:<br>1-ch, 1920 × 1080/60Hz,<br>1280 × 1024/60Hz,<br>1280 × 720/60Hz<br>HDMI/VGA simultaneous output                  |
| CVBS Input                 | PAL/NTSC                                                                                                                                                                                                                                              |
| CVBS Output                | 1-ch, BNC (1.0 Vp-p, 75 Ω),<br>resolution: PAL: 704 × 576, NTSC: 704 × 480                                                                                                                                                                            |
| Synchronous playback       | 8-ch                                                                                                                                                                                                                                                  |
| HDTVI Input                | 8 MP(3840 × 2160)@15 fps, 8 MP(3840 × 2160)@12 fps, 3K(2960 × 1665)@20 fps, 5 MP(2560 × 1944)@20 fps, 5 MP(2560 × 1944)@12 fps, 4 MP(2560 × 1440)@30 fps, 4 MP(2560 × 1440)@25 fps, 3 MP@18 fps, 1080p@30 fps, 1080p@25 fps, 720p@30 fps, 720p@25 fps |
| AHD Input                  | 5 MP(2560 × 1944)@20 fps, 5 MP(2560 × 1944)@12 fps, 4 MP(2560 × 1440)@30 fps, 4 MP(2560 × 1440)@25 fps, 1080p@30 fps, 1080p@25 fps, 720p@30 fps, 720p@25 fps                                                                                          |
| HDCVI Input                | 8 MP(3840 × 2160)@15 fps, 8 MP(3840 × 2160)@12 fps, 5 MP(2592 × 1944)@20 fps, 4 MP(2560 × 1440)@30 fps, 4 MP(2560 × 1440)@25 fps, 1080p@30 fps, 1080p@25 fps, 720p@30 fps, 720p@25 fps                                                                |
| Audio Output               | 1-ch, RCA (Linear, 1 KΩ)                                                                                                                                                                                                                              |
| Audio Input                | 1-ch, RCA (2.0 Vp-p, 1 KΩ)                                                                                                                                                                                                                            |
| Two-Way Audio              | 1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the first audio input)                                                                                                                                                                                              |
| <b>Network</b>             |                                                                                                                                                                                                                                                       |
| Total Bandwidth            | 128Mbps                                                                                                                                                                                                                                               |
| Network Protocol           | TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF                                                                                                                                                               |
| Remote Connection          | 64                                                                                                                                                                                                                                                    |
| Network Interface          | 1, RJ45 10M/100M/1000M self-adaptive<br>Ethernet interface                                                                                                                                                                                            |
| <b>Auxiliary Interface</b> |                                                                                                                                                                                                                                                       |
| SATA                       | 2 SATA interface                                                                                                                                                                                                                                      |
| Capacity                   | Up to 10 TB capacity for each disk                                                                                                                                                                                                                    |
| Serial Interface           | RS-485 (half-duplex)                                                                                                                                                                                                                                  |

|                       |                                            |
|-----------------------|--------------------------------------------|
| USB Interface         | 1 × USB 2.0;<br>1 × USB 3.0                |
| Alarm In/Out          | N/A                                        |
| <b>General</b>        |                                            |
| Power Supply          | 12 VDC                                     |
| Consumption           | ≤ 15 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                | ≤ 2 kg (4.4 lb)                            |

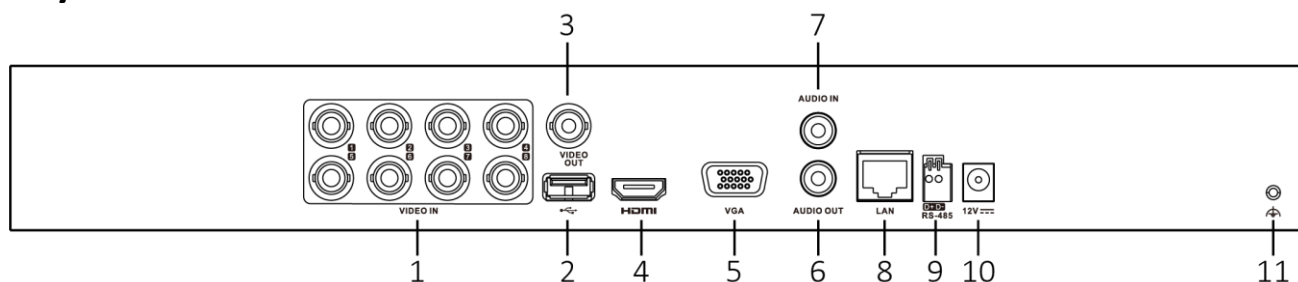
**Note:**

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.

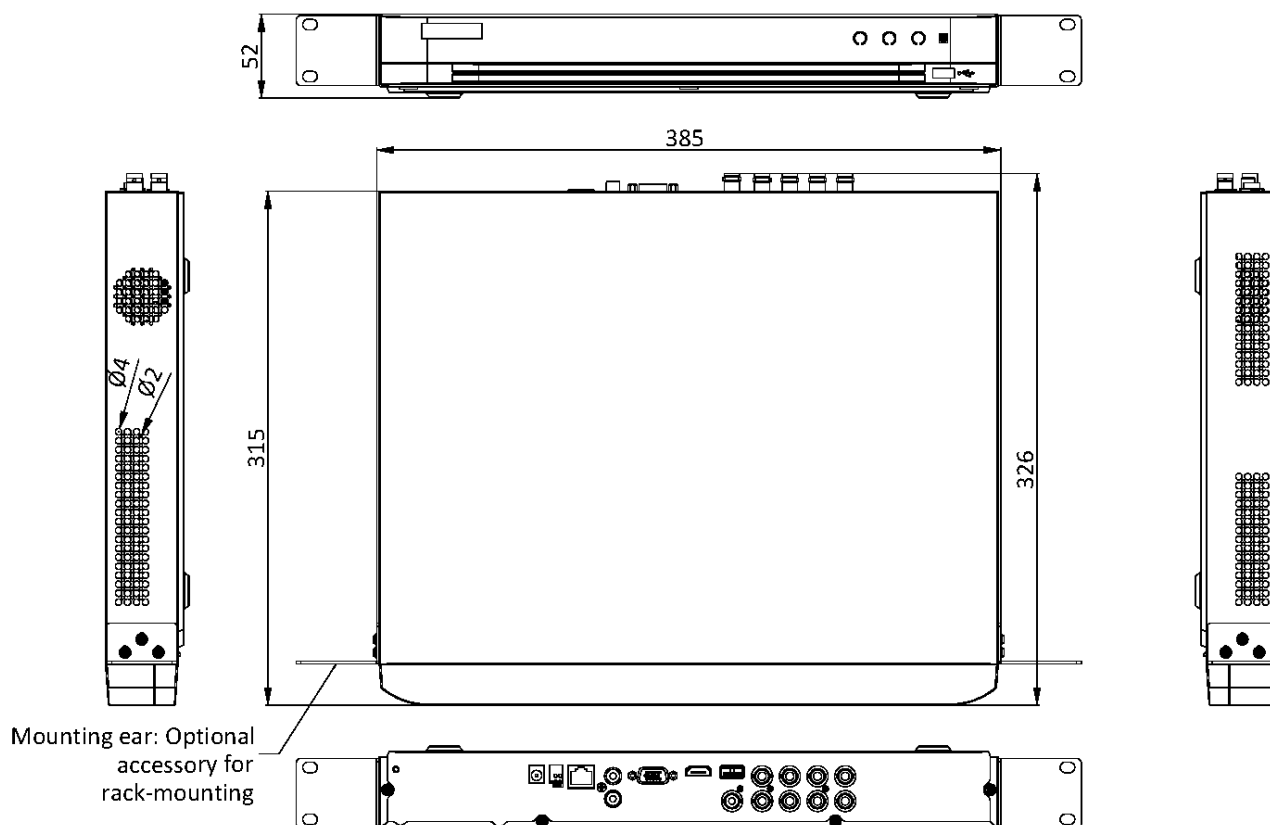
3: The number of audio inputs and alarm in/out can be optional. The tag on the package will describe audio input and alarm in/out parameters. For example, "4A+8/4ALM" means your device has 4 audio inputs, 8 alarm inputs and 4 alarm outputs. If your device only has 1 audio input, the tag may not describe it.

## Physical Interface



| 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 |     |                         |

## Dimension



scale/1:1;Unit/mm

## Available Model

iDS-7208HUHI-E2/S

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