

## IDS-7204HUHI-M1/E TURBO ACUSENSE DVR

### Key Feature

- Deep learning based human and vehicle targets classification of Motion Detection 2.0
- Deep learning-based perimeter protection
- H.265 Pro+/H.265 Pro/H.265 video compression
- HDTVI/AHD/CVI/CVBS/IP video inputs
- Audio via coaxial cable
- Up to 6-ch IP camera inputs (up to 8 MP)
- Up to 8 MP@8 fps encoding capability



### Smart Function

- Deep learning based human and vehicle targets classification of Motion Detection 2.0
- Deep learning based perimeter protection

### 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

- 1 SATA interface (up to 10 TB capacity)
- Smart search for efficient playback

### Network & Ethernet Access

- Compatible with major Wi-Fi dongle products in the market
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management

## ▪ 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>*: 8 MP@8 fps is only available for channel 1, 8 MP Lite is only available for channel 2 to channel 4.</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>2-ch (up to 6-ch)</p> <p>Enhanced IP mode on:</p> <p>4-ch (up to 8-ch), each up to 4 Mbps</p> <p>Up to 8 MP resolution</p> <p>Support H.265+/H.265/H.264+/H.264 IP cameras</p>   |
| Analog Video Input           | <p>4-ch</p> <p>BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection</p>  |

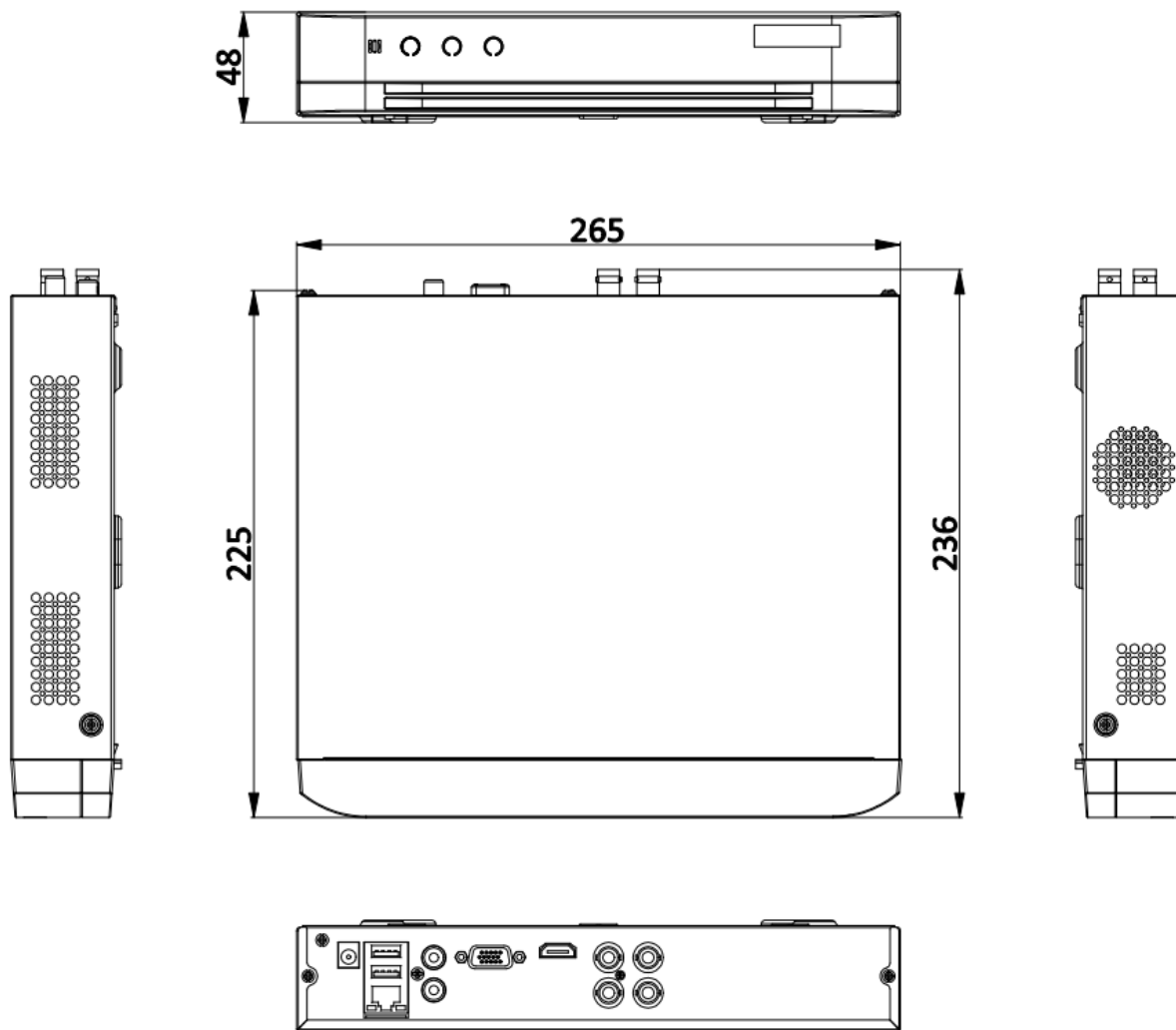
|                            |   |
|----------------------------|---|
| HDTVI Input                | 8 MP(3840 × 2160)@15 fps, 8 MP(3840 × 2160)@12 fps, 3K(2960 × 1665)@20 fps, 5 MP(2560 × 1944)@20 fps, 5 MP(2560 × 1944)@12 fps, 4 MP(2560 × 1440)@30 fps, 4 MP(2560 × 1440)@25 fps, 3 MP@18 fps, 1080p@30 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  |
| CVBS Input                 | PAL/NTSC  |
| HDMI Output                | 1-ch, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz  |
| VGA Output                 | 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz   |
| Video Output Mode          | HDMI/VGA simultaneous output  |
| Audio Input                | 1-ch, RCA (2.0 Vp-p, 1 K $\Omega$ )<br>4-ch via coaxial cable   |
| Audio Output               | 1-ch, RCA (Linear, 1 K $\Omega$ )   |
| Two-Way Audio              | 1-ch, RCA (2.0 Vp-p, 1 K $\Omega$ ) (using the first audio input)   |
| Synchronous Playback       | 4-ch  |
| <b>Network</b>             |   |
| Total Bandwidth            | 96 Mbps   |
| Remote Connection          | 32  |
| 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  |
| <b>Auxiliary Interface</b> |   |
| SATA                       | 1 SATA interface  |
| Capacity                   | Up to 10 TB capacity for each disk  |
| Alarm In/Out               | N/A   |
| USB Interface              | 2 × USB 2.0   |
| <b>General</b>             |   |
| Power Supply               | 12 VDC, 1.5 A   |
| Consumption                | ≤ 15 W (without HDD)  |
| Working Temperature        | -10 °C to +55 °C (+14 °F to +131 °F)  |
| Working Humidity           | 10% to 90%  |
| Dimension (W × D × H)      | 265 × 225 × 48 mm (10.4 × 8.9 × 1.9 inch)   |

|        |                                  |
|--------|----------------------------------|
| Weight | ≤ 1.16 kg (without HDD, 2.6 lb.) |
|--------|----------------------------------|

**Note:**

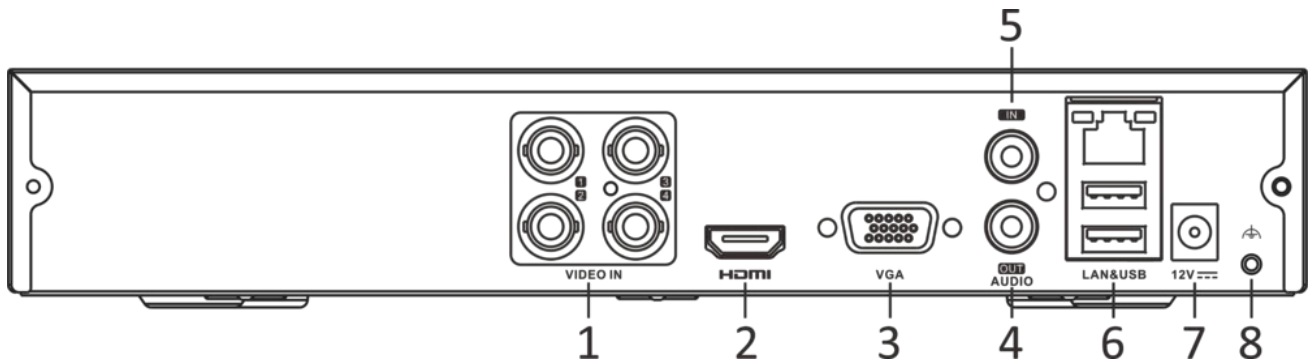
- Motion detection 2.0 and perimeter protection cannot be enabled at the same time. Enable one function will make the other one unavailable.
- Enhanced IP mode might be conflicted with smart events (motion detection 2.0 and perimeter protection) or other functions, please refer to the user manual for details.

**Dimension**



scale/1:1;Unit/mm

## Physical Interface



| No. | Description                | No. | Description                             |
|-----|----------------------------|-----|---|
| 1   | Video and coaxial audio in | 5   | AUDIO IN, RCA connector                 |
| 2   | HDMI interface             | 6   | LAN network interface and USB interface |
| 3   | VGA interface              | 7   | 12 VDC power input                      |
| 4   | AUDIO OUT, RCA connector   | 8   | GND                                     |

## Available Model

iDS-7204HUHI-M1/E

