

## iDS-7204HQHI-M1/E 4-ch 1080P 1U H.265 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
- HDTV/AVHD/CVI/CVBS/IP video inputs
- Audio via coaxial cable
- Up to 6-ch IP camera inputs (up to 6 MP)
- Up to 1080p@15 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 3K / 5 MP Lite 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 2-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          | <p>When 1080p Lite mode is not enabled:</p> <p>3K lite/5 MP lite/4 MP lite/1080p/720p/VGA/WD1/4CIF/CIF;</p> <p>When 1080p Lite mode is enabled:</p> <p>3K lite/5 MP lite/4 MP lite/1080p lite/720p lite/VGA/WD1/4CIF/CIF</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Frame Rate                   | <p>Main stream:</p> <p>When 1080p Lite mode not enabled:</p> <p>For 3K stream access: 3K lite@12fps;4 MP lite/1080p@15fps;720p/WD1/4CIF/VGA/CIF@20fps</p> <p>For 5 MP stream access: 5 MP lite@12fps;4 MP lite/1080p@15fps;720p/WD1/4CIF/VGA/CIF@20fps</p> <p>For 4 MP stream access: 4 MP lite/1080p@15fps;720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N)</p> <p>For 1080p stream access: 1080p/720p@15fps; VGA/WD1/4CIF/CIF@25fps (P)/30fps (N)</p> <p>For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N)</p> <p>When 1080p Lite mode enabled:</p> <p>3K lite/5 MP lite@12fps;4 MP lite@15fps;1080p lite/720p lite/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N)</p> <p>Sub-stream:</p> <p>WD1/4CIF@12fps; CIF@25fps (P)/30fps (N)</p> |
| Video Bitrate                | 32 Kbps to 6 Mbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Dual-stream                  | Support                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Stream Type                  | Video, Video & Audio                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Audio Compression            | G.711u                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Audio Bitrate                | 64 Kbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

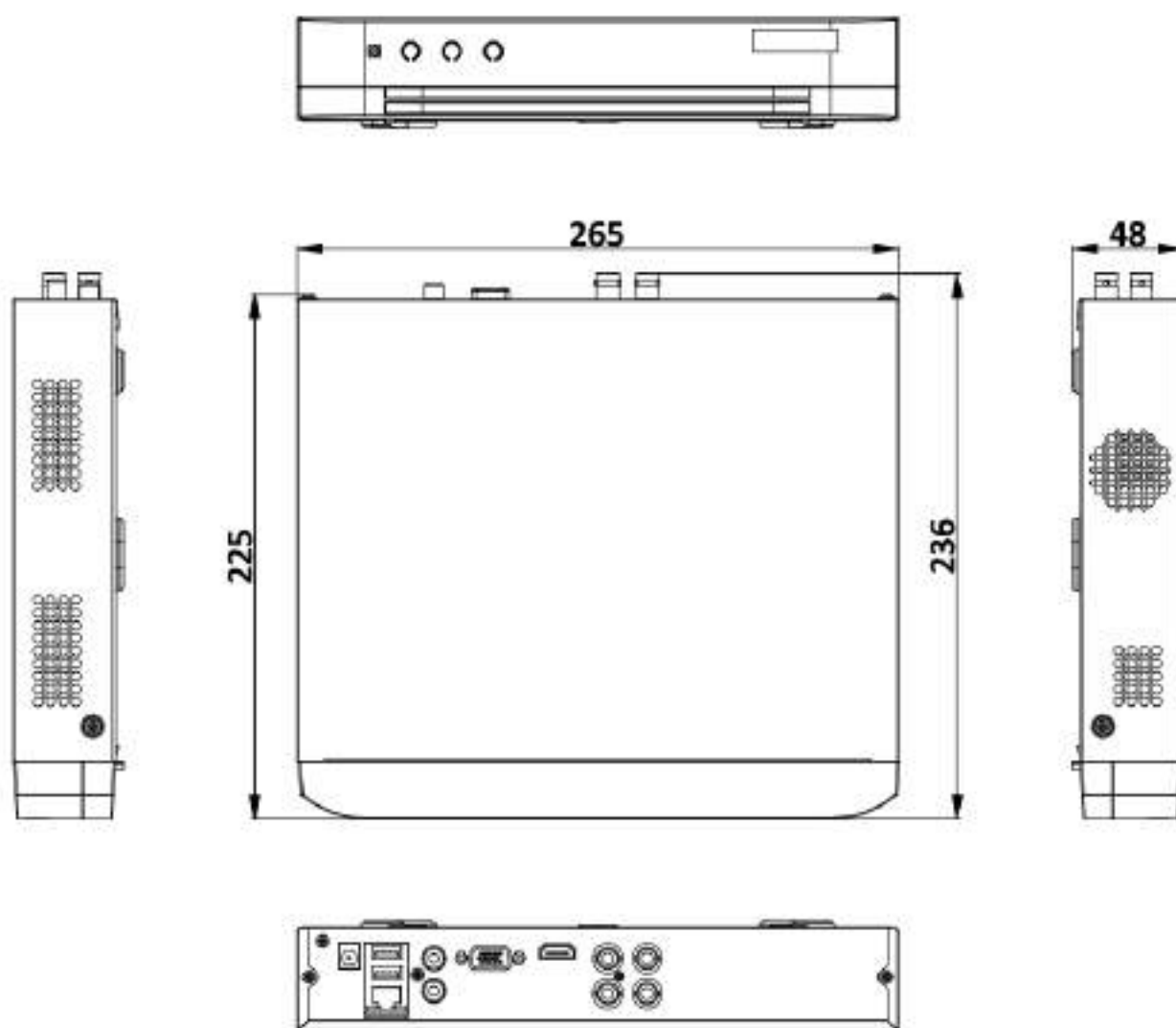
| Video and Audio      |                                                                                                                                                                |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IP Video Input       | 1-ch (up to 5-ch)<br><br>Enhanced IP mode on:<br>2-ch (up to 6-ch), each up to 4 Mbps<br>Up to 6 MP resolution<br>Support H.265+/H.265/H.264+/H.264 IP cameras |
| Analog Video Input   | 4-ch<br>BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection                                                                                        |
| HDTVI Input          | 3K(2960 × 1665)@20 fps, 5 MP(2560 × 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     |
| AHD Input            | 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                             |
| HDCVI Input          | 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           | Support                                                                                                                                                        |
| HDMI Output          | 1-ch, 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 KΩ)<br>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 first audio input)                                                                                                       |
| Synchronous Playback | 4-ch                                                                                                                                                           |
| Network              |                                                                                                                                                                |
| Total Bandwidth      | 72 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                                                                                             |
| Auxiliary Interface  |                                                                                                                                                                |
| SATA                 | 1 SATA interface                                                                                                                                               |
| Capacity             | Up to 10 TB capacity for each disk                                                                                                                             |
| Alarm In/Out         | N/A                                                                                                                                                            |
| USB Interface        | Real panel: 2 × USB 2.0                                                                                                                                        |

| General               |                                           |
|-----------------------|-------------------------------------------|
| Power Supply          | 12 VDC, 1.5 A                             |
| Consumption           | ≤ 8 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 kg (without HDD, 2.2 lb.)             |

**Note:**

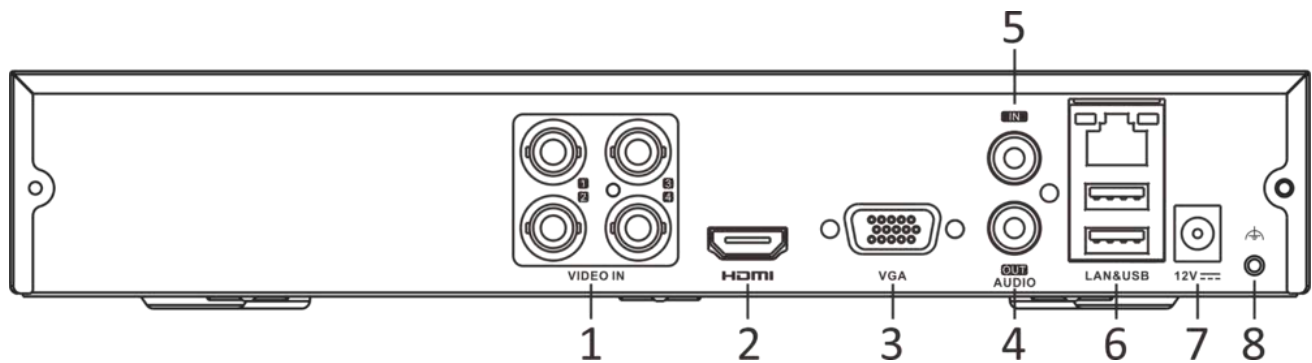
- Motion detection 2.0 and perimeter protection cannot be enabled at the same time. Enable one function will make the other one unavailable.
- Enhanced IP mode might be conflicted with smart events (motion detection 2.0 and perimeter protection) or other functions, please refer to the user manual for 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-7204HQHI-M1/E

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