

## iDS-7200HUHI-K1/4S(B) 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+ video compression improves encoding efficiency, and reduces data storage costs
- Recording at up to 8 MP resolution

### Storage and Playback

- Smart search for efficient playback
- Support the third party cloud storage (Dropbox/Microsoft OneDrive)

### Smart Function

- Deep learning-based motion detection, perimeter protection (line crossing and intrusion detection), or facial 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-K1/4S(B)  | iDS-7208HUHI-K1/4S(B)   |
|---|--|---|
| <b>Motion Detection 2.0<sup>1</sup></b> |  |   |
| <b>Human/Vehicle Analysis</b>           | 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; |   |
| <b>Perimeter Protection<sup>1</sup></b> |  |   |
| <b>Human/Vehicle Analysis</b>           | Up to 4-ch   |   |
| <b>Facial Detection<sup>1</sup></b>     |  |   |
| <b>Facial detection and capture</b>     | 1-ch human face capture (HD analog camera)   |   |
| <b>Recording</b>                        |  |   |
| <b>Video compression</b>                | H.265 Pro+/H.265 Pro/H.265/H.264+/H.264  |   |
| <b>Encoding resolution</b>              | Main stream:<br>8 MP@8 fps/5 MP@12 fps/4 MP@15 fps/3 MP@18 fps<br>1080p/720p/WD1/4CIF/VGA/CIF@25 fps (P)/30 fps (N)<br><b>*: 8 MP@8 fps is only available for channel 1.</b>   | Main stream:<br>8 MP@8 fps/5 MP@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)  |   |
| <b>Video bitrate</b>                    | 32 Kbps to 10 Mbps   |   |
| <b>Dual stream</b>                      | Support  |   |
| <b>Stream type</b>                      | Video, Video & Audio   |   |
| <b>Audio compression</b>                | G.711u   |   |
| <b>Audio bitrate</b>                    | 64 Kbps  |   |
| <b>Video and Audio</b>                  |  |   |
| <b>IP video input</b>                   | 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<br>Up to 8 MP resolution<br>Support H.265+/H.265/H.264+/H.264 IP cameras  | Enhanced IP mode on:<br>8-ch (up to 16-ch), each up to 4 Mbps   |
|   |  |   |
| <b>Analog video input</b>               | 4-ch   | 8-ch  |
|   | BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection  |   |
| <b>HDTV input</b>                       | 8 MP, 5 MP, 4 MP, 3 MP, 1080p@30 fps, 1080p@25 fps, 720p@60 fps, 720p@50 fps, 720p@30 fps, 720p@25 fps<br><b>*: The 8 MP signal input is only available for channel 1.</b>   | 8 MP, 5 MP, 4 MP, 3 MP, 1080p@30 fps, 1080p@25 fps, 720p@60 fps, 720p@50 fps, 720p@30 fps, 720p@25 fps              |
| <b>AHD input</b>                        | 5 MP, 4 MP, 1080p@25 fps, 1080p@30 fps, 720p@25 fps, 720p@30 fps   |   |
| <b>HDCVI input</b>                      | 4 MP, 1080p@25 fps, 1080p@30 fps, 720p@25 fps, 720p@30 fps   |   |
| <b>CVBS input</b>                       | PAL/NTSC   |   |

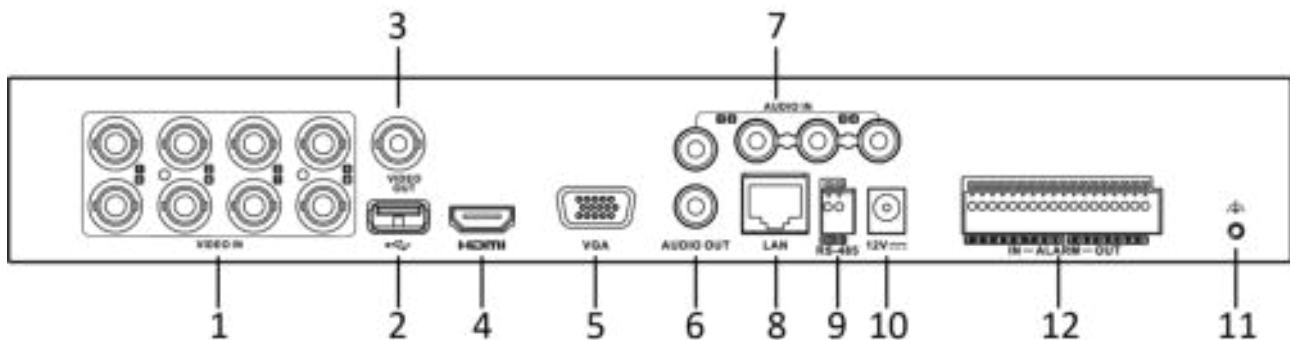
|                                  |   |   |
|----------------------------------|---|---|
| <b>CVBS output</b>               | 1-ch, BNC (1.0 Vp-p, 75 Ω),<br>resolution: PAL: 704 × 576, NTSC: 704 × 480  |   |
| <b>VGA output</b>                | 1-ch, 1920 × 1080/60Hz,<br>1280 × 1024/60Hz,<br>1280 × 720/60Hz,<br>1024 × 768/60Hz<br>HDMI/VGA simultaneous output                           | 1-ch, 1920 × 1080/60Hz,<br>1280 × 1024/60Hz,<br>1280 × 720/60Hz,<br>1024 × 768/60Hz<br>HDMI/VGA simultaneous output   |
| <b>HDMI output</b>               | 1-ch, 2K (2560 × 1440)/60Hz,<br>1920 × 1080/60Hz,<br>1280 × 1024/60Hz,<br>1280 × 720/60Hz,<br>1024 × 768/60Hz<br>HDMI/VGA simultaneous output | 1-ch, 4K (3840 × 2160)/30Hz,<br>2K (2560 × 1440)/60Hz,<br>1920 × 1080/60Hz,<br>1280 × 1024/60Hz,<br>1280 × 720/60Hz,<br>1024 × 768/60Hz<br>HDMI/VGA simultaneous output |
| <b>Audio input</b>               | 4-ch, RCA (2.0 Vp-p, 1 KΩ)  |   |
|                                  | 4-ch via coaxial cable  | 8-ch via coaxial cable  |
| <b>Audio output</b>              | 1-ch, RCA (Linear, 1 KΩ)  |   |
| <b>Two-way audio</b>             | 1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the first audio input)  |   |
| <b>Synchronous playback</b>      | 4-ch  | 8-ch  |
| <b>Network</b>                   |   |   |
| <b>Remote connection</b>         | 32  | 64  |
| <b>Network protocol</b>          | TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF   |   |
| <b>Network interface</b>         | 1, RJ45 10M/100M self-adaptive Ethernet interface   | 1, RJ45 10M/100M/1000M self-adaptive Ethernet interface   |
| <b>Wi-Fi</b>                     | Connectable to Wi-Fi network by Wi-Fi dongle through USB interface  |   |
| <b>Auxiliary interface</b>       |   |   |
| <b>SATA</b>                      | 1 SATA interface, up to 10 TB capacity for each disk  |   |
| <b>Serial interface</b>          | RS-485 (half-duplex)  |   |
| <b>USB interface</b>             | 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   |
| <b>Alarm in/out</b>              | 4/1   | 8/4   |
| <b>General</b>                   |   |   |
| <b>Power supply</b>              | 12 VDC, 1.5 A   | 12 VDC, 2 A   |
| <b>Consumption (without HDD)</b> | ≤ 10 W  | ≤ 15 W  |
| <b>Working temperature</b>       | -10 °C to +55 °C (+14 °F to +131 °F)  |   |
| <b>Working humidity</b>          | 10% to 90%  |   |
| <b>Dimension (W × D × H)</b>     | 315 × 242 × 45 mm (12.4 × 9.5 × 1.8 inch)   |   |
| <b>Weight (without HDD)</b>      | ≤ 1.16 kg (2.6 lb)  | ≤ 2 kg (4.4 lb)   |

**Note:**

1: Motion detection 2.0, perimeter protection and facial detection cannot be enabled at the same time. Enable one function will make the other two 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.

## Physical Interface



\*: The rear panel of iDS-7204HUHI-K1/4S(B) 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 | 12  | ALARM IN/OUT            |

## Available Model

iDS-7204HUHI-K1/4S(B), iDS-7208HUHI-K1/4S(B)

Distributed by



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