

## iDS-7200HUHI-K2/4S SERIES TURBO ACUSENSE

### Features and Functions



#### VCA Detection

- Deep learning-based analysis: re-recognition of the human body or vehicle target in behavior detection to filter false alarm, supports 4-ch detection

#### Video Input and Transmission

- Self-adaptive HDTVI/HDCVI/AHD/CVBS signal input
- When enhanced IP mode enabled, up to 8-ch 8 MP IP cameras input for iDS-7204HUHI-K2/4S; 16-ch 8 MP IP cameras input for iDS-7208HUHI-K2/4S
- 8 MP/5 MP/4 MP HDTVI video input and live view for iDS-7208HUHI-K2/4S, and 5 MP/4 MP for iDS-7204HUHI-K2/4S
- Defogging function enabled for the supported analog cameras
- Long distance transmission over UTP and coaxial cable: max. 800m for 1080p and 1200m for 720p HDTVI signal

#### Compression and Recording

- H.265 Pro+/H.265 Pro/H.265/H.264+/H.264 encoding for the main stream, and H.265/H.264 for the sub-stream of analog cameras
- Connectable to H.265+/H.265/H.264+/H.264 IP cameras
- H.265 Pro+/H.265 Pro can be enabled to improve encoding efficiency and reduce data storage costs
- Full channel recording at up to 5 MP resolution for iDS-7204HUHI-K2/4S and 8 MP for iDS-7208HUHI-K2/4S

#### Video Output

- Simultaneous HDMI/VGA output
- HDMI output at up to 4K (3840 × 2160) resolution for iDS-7208HUHI-K2/4S
- Separate CVBS output

#### Storage and Playback

- 2 SATA interfaces (up to 10 TB capacity per HDD)
- 4/8-ch synchronous playback
- Smart search for efficient playback
- Supports the 3<sup>rd</sup> party cloud storage (Dropbox/Google Drive/Microsoft OneDrive)

#### Smart Function

- Supports multiple VCA (Video Content Analytics) events for both analog and smart IP cameras
- Supports 2-ch sudden scene change detection
- VCA information overlay in live view and smart playback

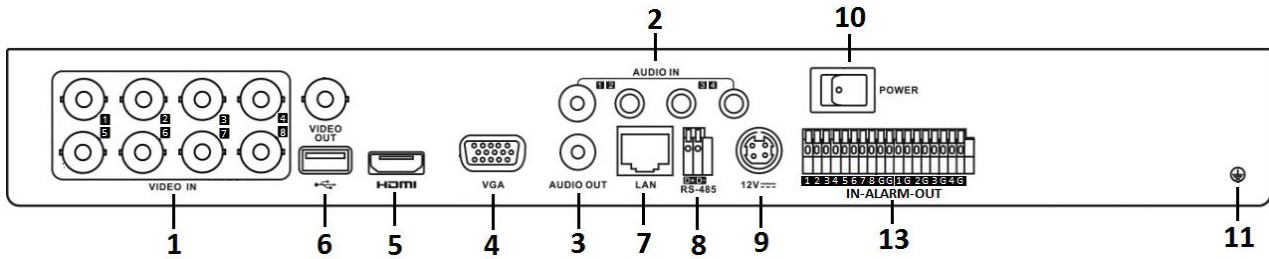
#### Network & Ethernet Access

- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- 1 RJ45 10M/100M self-adaptive Ethernet interface for iDS-7204HUHI-K2/4S, and 1 RJ45 10M/100M/1000M self-adaptive Ethernet interface for iDS-7208HUHI-K2/4S
- Output bandwidth limit configurable, up to 96M for iDS-7204HUHI-K2/4S and 128M for iDS-7208HUHI-K2/4S

## Specifications

| Model              |                                      | iDS-7204HUHI-K2/4S                                                                                     | iDS-7208HUHI-K2/4S                                                                                                                                                                                                                                                                                    |
|--------------------|--------------------------------------|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video/Audio input  | Video compression                    | H.265 Pro+/H.265 Pro/H.265/H.264+/H.264                                                                |                                                                                                                                                                                                                                                                                                       |
|                    | Analog video input                   | 4-ch<br>BNC interface (1.0 Vp-p, 75 $\Omega$ ), supporting coaxitron connection                        | 8-ch                                                                                                                                                                                                                                                                                                  |
|                    | HDTVI input                          | 5 MP, 4 MP, 3 MP, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25                                     | 8 MP, 5 MP, 4 MP, 3 MP, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25                                                                                                                                                                                                                              |
|                    | AHD input                            | 5 MP, 4 MP, 1080p25, 1080p30, 720p25, 720p30                                                           |                                                                                                                                                                                                                                                                                                       |
|                    | HDCVI input                          | 4 MP, 1080p25, 1080p30, 720p25, 720p30                                                                 |                                                                                                                                                                                                                                                                                                       |
|                    | CVBS input                           | PAL/NTSC                                                                                               |                                                                                                                                                                                                                                                                                                       |
|                    | IP video input                       | Up to 8-ch                                                                                             | Up to 16-ch                                                                                                                                                                                                                                                                                           |
|                    |                                      | Up to 8 MP resolution                                                                                  |                                                                                                                                                                                                                                                                                                       |
|                    |                                      | Supports H.265+/H.265/H.264+/H.264 IP cameras                                                          |                                                                                                                                                                                                                                                                                                       |
|                    | Audio compression                    | G.711u                                                                                                 |                                                                                                                                                                                                                                                                                                       |
| Video/Audio output | Audio input                          | 4-ch, RCA (2.0 Vp-p, 1 K $\Omega$ )                                                                    |                                                                                                                                                                                                                                                                                                       |
|                    | CVBS output                          | 1-ch, BNC (1.0 Vp-p, 75 $\Omega$ ), resolution: PAL: 704 $\times$ 576, NTSC: 704 $\times$ 480          |                                                                                                                                                                                                                                                                                                       |
|                    | HDMI/VGA output                      | 1-ch, 1920 $\times$ 1080/60Hz, 1280 $\times$ 1024/60Hz, 1280 $\times$ 720/60Hz, 1024 $\times$ 768/60Hz | <b>VGA:</b> 1-ch, 1920 $\times$ 1080/60Hz, 1280 $\times$ 1024/60Hz, 1280 $\times$ 720/60Hz, 1024 $\times$ 768/60Hz<br><b>HDMI:</b> 1-ch, 4K (3840 $\times$ 2160)/30Hz, 2K (2560 $\times$ 1440)/60Hz, 1920 $\times$ 1080/60Hz, 1280 $\times$ 1024/60Hz, 1280 $\times$ 720/60Hz, 1024 $\times$ 768/60Hz |
|                    | Encoding resolution@ Frame rate      | Main stream:<br>5 MP@12fps/4 MP@15fps/3 MP@18fps<br>1080p/720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N)    | Main stream:<br>8 MP@8fps/5 MP@12fps/4 MP@15fps/3 MP@18fps<br>1080p/720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N)                                                                                                                                                                                         |
|                    |                                      | Sub-stream:<br>WD1/4CIF/CIF@25fps (P)/30fps (N)                                                        |                                                                                                                                                                                                                                                                                                       |
|                    | Video bit rate                       | 32 Kbps to 10 Mbps                                                                                     |                                                                                                                                                                                                                                                                                                       |
|                    | Audio output                         | 1-ch, RCA (Linear, 1 K $\Omega$ )                                                                      |                                                                                                                                                                                                                                                                                                       |
|                    | Audio bit rate                       | 64 Kbps                                                                                                |                                                                                                                                                                                                                                                                                                       |
|                    | Dual stream                          | Support                                                                                                |                                                                                                                                                                                                                                                                                                       |
|                    | Stream type                          | Video, Video & Audio                                                                                   |                                                                                                                                                                                                                                                                                                       |
| Network management | Synchronous playback                 | 4-ch                                                                                                   | 8-ch                                                                                                                                                                                                                                                                                                  |
|                    | Remote connections                   | 32                                                                                                     | 64                                                                                                                                                                                                                                                                                                    |
| Hard disk          | Network protocols                    | TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF                |                                                                                                                                                                                                                                                                                                       |
|                    | SATA                                 | 2 SATA interfaces                                                                                      |                                                                                                                                                                                                                                                                                                       |
| External interface | Capacity                             | Up to 10 TB capacity for each disk                                                                     |                                                                                                                                                                                                                                                                                                       |
|                    | Two-way audio input                  | 1-ch, RCA (2.0 Vp-p, 1 K $\Omega$ ) (using the 1 <sup>st</sup> audio input)                            |                                                                                                                                                                                                                                                                                                       |
|                    | Network interface                    | 1, RJ45 10M/100M self-adaptive Ethernet interface                                                      | 1, RJ45 10M/100M/1000M self-adaptive Ethernet interface                                                                                                                                                                                                                                               |
|                    | USB interface                        | 2 $\times$ USB 2.0                                                                                     |                                                                                                                                                                                                                                                                                                       |
|                    | Serial interface                     | RS-485 (half-duplex)                                                                                   |                                                                                                                                                                                                                                                                                                       |
| General            | Alarm in/out                         | 4/1                                                                                                    | 8/4                                                                                                                                                                                                                                                                                                   |
|                    | Power supply                         | 12 VDC                                                                                                 |                                                                                                                                                                                                                                                                                                       |
|                    | Consumption (without HDD)            | $\leq 10$ W                                                                                            | $\leq 20$ W                                                                                                                                                                                                                                                                                           |
|                    | Working temperature                  | -10 $^{\circ}$ C to +55 $^{\circ}$ C (+14 $^{\circ}$ F to +131 $^{\circ}$ F)                           |                                                                                                                                                                                                                                                                                                       |
|                    | Working humidity                     | 10% to 90%                                                                                             |                                                                                                                                                                                                                                                                                                       |
|                    | Dimensions (W $\times$ D $\times$ H) | 380 $\times$ 320 $\times$ 48 mm (15.0 $\times$ 12.6 $\times$ 1.9 inch)                                 |                                                                                                                                                                                                                                                                                                       |
|                    | Weight (without HDD)                 | $\leq 1.16$ kg (2.6 lb)                                                                                | $\leq 1.78$ kg (3.9 lb)                                                                                                                                                                                                                                                                               |

## Physical Interfaces



### NOTE

The rear panel of IDS-7204HUHI-K2/4S provides 4 video input interfaces.

| Index | Description              | Index | Description             |
|-------|--------------------------|-------|-------------------------|
| 1     | VIDEO IN                 | 8     | RS-485 Serial Interface |
| 2     | AUDIO IN, RCA Connector  | 9     | 12 VDC Power Input      |
| 3     | AUDIO OUT, RCA Connector | 10    | Power Switch            |
| 4     | VGA Interface            | 11    | GND                     |
| 5     | HDMI Interface           | 12    | VIDEO OUT               |
| 6     | USB Interface            | 13    | Alarm In/Out            |
| 7     | LAN Network Interface    |       |                         |