

## DS-7200HUHI-K1 SERIES TURBO HD DVR

### Features and Functions

#### Video Input and Transmission

- Self-adaptive HDTVI/HDCVI/AHD/CVBS signal input
- Up to 2-ch 6 MP IP cameras input
- 5 MP/4 MP HDTVI video input and live view
- 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+/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+ can be enabled to improve encoding efficiency and reduce data storage costs
- Full channel recording at up to 5 MP resolution

#### Video Output

- Simultaneous HDMI/VGA output
- HDMI output at up to 4K (3840 × 2160) resolution for DS-7208HUHI-K1
- Separate CVBS output

#### Storage and Playback

- 1 SATA interface (up to 8 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 line crossing detection and intrusion detection of all channels, and 2-ch sudden scene change detection
- VCA information overlay in live view and smart playback
- VQD (Video Quality Diagnostics)
- Supports PTZ control via Omnicast VMS of Genetec protocol

#### Network & Ethernet Access

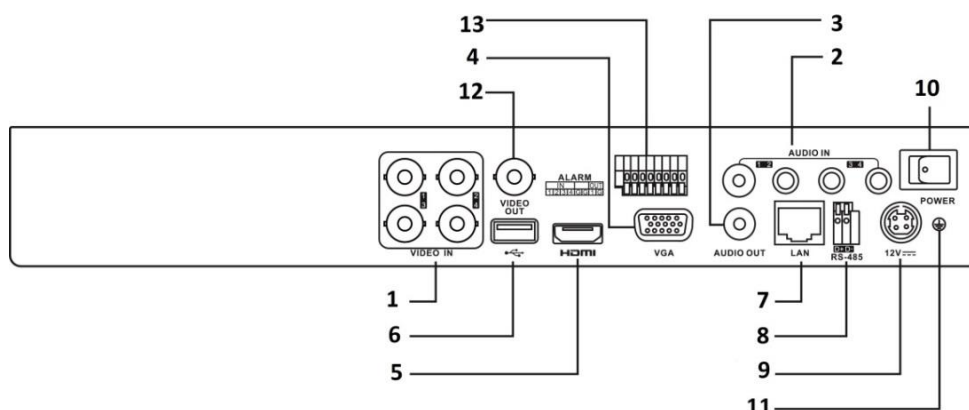
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- 1 RJ45 10M/100M self-adaptive Ethernet interface for DS-7204HUHI-K1, and 1 RJ45 10M/100M/1000M self-adaptive Ethernet interface for DS-7208HUHI-K1
- Output bandwidth limit configurable



## Specifications

| Model              |                           | DS-7204HUHI-K1                                                                                      | DS-7208HUHI-K1                                                                                                                                                                                                                  |
|--------------------|---------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video/Audio input  | Video compression         | H.265+/H.265/H.264+/H.264                                                                           |                                                                                                                                                                                                                                 |
|                    | Analog video input        | 4-ch                                                                                                | 8-ch                                                                                                                                                                                                                            |
|                    |                           | BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection                                     |                                                                                                                                                                                                                                 |
|                    | HDTVl input               | 5 MP, 4 MP, 3 MP, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25                                  |                                                                                                                                                                                                                                 |
|                    | AHD input                 | 1080p25, 1080p30, 720p25, 720p30                                                                    |                                                                                                                                                                                                                                 |
|                    | HDCVI input               | 1080p25, 1080p30, 720p25, 720p30                                                                    |                                                                                                                                                                                                                                 |
|                    | CVBS input                | PAL/NTSC                                                                                            |                                                                                                                                                                                                                                 |
|                    | IP video input            | 2-ch                                                                                                |                                                                                                                                                                                                                                 |
|                    |                           | Up to 6 MP resolution                                                                               |                                                                                                                                                                                                                                 |
|                    |                           | Supports H.265+/H.265/H.264+/H.264 IP cameras                                                       |                                                                                                                                                                                                                                 |
| Video/Audio output | Audio compression         | G.711u                                                                                              |                                                                                                                                                                                                                                 |
|                    | Audio input               | 4-ch, RCA (2.0 Vp-p, 1 KΩ)                                                                          |                                                                                                                                                                                                                                 |
|                    | CVBS output               | 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480                             |                                                                                                                                                                                                                                 |
|                    | HDMI/VGA output           | 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz                          | <b>VGA:</b> 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz<br><b>HDMI:</b> 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz |
|                    | Encoding resolution       | 5 MP/4 MP/3 MP/1080p/720p/WD1/4CIF/VGA/CIF                                                          |                                                                                                                                                                                                                                 |
|                    | 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) |                                                                                                                                                                                                                                 |
|                    |                           | 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 KΩ)                                                                            |                                                                                                                                                                                                                                 |
|                    | Audio bit rate            | 64 Kbps                                                                                             |                                                                                                                                                                                                                                 |
| Network management | Dual stream               | Support                                                                                             |                                                                                                                                                                                                                                 |
|                    | Stream type               | Video, Video & Audio                                                                                |                                                                                                                                                                                                                                 |
| Hard disk          | Synchronous playback      | 4-ch                                                                                                | 8-ch                                                                                                                                                                                                                            |
|                    | Remote connections        | 128                                                                                                 |                                                                                                                                                                                                                                 |
| External interface | Network protocols         | TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF             |                                                                                                                                                                                                                                 |
|                    | SATA                      | 1 SATA interface                                                                                    |                                                                                                                                                                                                                                 |
| General            | Capacity                  | Up to 8 TB capacity for each disk                                                                   |                                                                                                                                                                                                                                 |
|                    | Two-way audio input       | 1-ch, RCA (2.0 Vp-p, 1 KΩ) (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 × USB 2.0                                                                                         | Front panel: 1 × USB 2.0<br>Rear panel: 1 × USB 3.0                                                                                                                                                                             |
|                    | Serial interface          | RS-485 (half-duplex)                                                                                |                                                                                                                                                                                                                                 |
|                    | Alarm in/out              | 4/1                                                                                                 | 8/4                                                                                                                                                                                                                             |
| General            | Power supply              | 12 VDC                                                                                              |                                                                                                                                                                                                                                 |
|                    | Consumption (without HDD) | ≤ 10 W                                                                                              | ≤ 20 W                                                                                                                                                                                                                          |
|                    | Working temperature       | -10 °C to +55 °C (+14 °F to +131 °F)                                                                |                                                                                                                                                                                                                                 |
|                    | Working humidity          | 10% to 90%                                                                                          |                                                                                                                                                                                                                                 |
|                    | Dimensions (W × D × H)    | 315 × 242 × 45 mm (12.4 × 9.5 × 1.8 inch)                                                           |                                                                                                                                                                                                                                 |
|                    | Weight (without HDD)      | ≤ 1.16 kg (2.6 lb)                                                                                  | ≤ 2 kg (4.4 lb)                                                                                                                                                                                                                 |

## Physical Interfaces



### NOTE

The rear panel of DS-7208HUHI-K1 provides 8 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    |       |                         |

## Available Models

DS-7204HUHI-K1, DS-7208HUHI-K1

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