

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

### Key Feature

- H.265 Pro+/H.265 Pro/H.265 video compression
- HDTVI/AHD/CVI/TVBS/IP video input
- Audio via coaxial cable
- Up to 6/12/24-ch IP camera inputs (up to 6 MP)
- Max. 800 m for 1080p and 1200 m for 720p HDTVI signal transmission
- Up to 10 TB capacity per HDD



### Compression and Recording

- H.265 Pro+ can be enabled to improve encoding efficiency and reduce data storage costs
- Full channel recording at up to 4 MP lite resolution

### Storage and Playback

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

### Smart Function

- Support multiple VCA (Video Content Analytics) events for both analog and smart IP cameras
- Support 4-ch line crossing detection and intrusion detection; DS-7216HQHI-K1 supports 1-ch sudden scene change detection

### Network & Ethernet Access

- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- Max. 24/48/96 Mbps incoming bandwidth and output bandwidth limit configurable

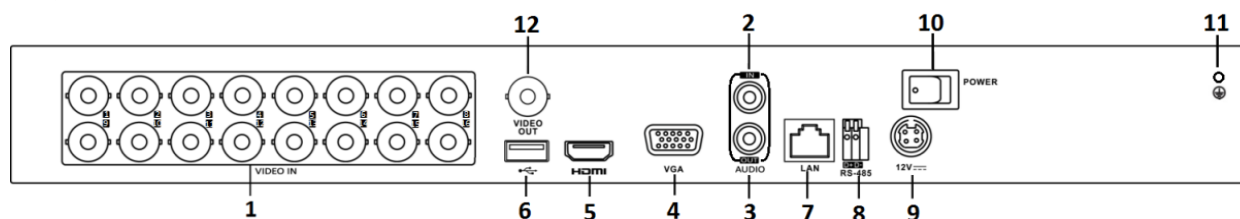


## Specification

| Model               | DS-7204HQHI-K1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    | DS-7208HQHI-K1     | DS-7216HQHI-K1 |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------|----------------|
| Recording           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |                    |                |
| Video compression   | H.265 Pro+/H.265 Pro/H.265/H.264+/H.264                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |                    |                |
| Encoding resolution | When 1080p lite mode is not enabled:<br>4 MP lite/3 MP/1080p/720p/VGA/WD1/4CIF/CIF<br>When 1080p Lite mode is enabled:<br>4 MP lite/3 MP/1080p lite/720p lite/VGA/WD1/4CIF/CIF                                                                                                                                                                                                                                                                                                                                                                                   |                    |                    |                |
| Frame rate          | Main stream:<br>When 1080p Lite mode not enabled:<br>For 4 MP stream access:<br>4 MP lite@15fps; 1080p lite/720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N)<br>For 3 MP stream access: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF@15fps<br>For 1080p stream access:<br>1080p/720p@15fps; VGA/WD1/4CIF/CIF@25fps (P)/30fps (N)<br>For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N)<br>When 1080p Lite mode enabled:<br>4 MP lite/3 MP@15fps; 1080p lite/720p lite/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N)<br>Sub-stream:<br>WD1/4CIF@12fps; CIF@25fps (P)/30fps (N) |                    |                    |                |
| Video bit rate      | 32 Kbps to 6 Mbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                    |                |
| Dual stream         | Support                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |                    |                |
| Stream type         | Video, Video & Audio                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |                    |                |
| Audio compression   | G.711u                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |                    |                |
| Audio bit rate      | 64 Kbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |                    |                |
| Video and Audio     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |                    |                |
| IP video input      | 2-ch (up to 6-ch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4-ch (up to 12-ch) | 8-ch (up to 24-ch) |                |
|                     | Up to 6 MP resolution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |                    |                |
|                     | Support H.265+/H.265/H.264+/H.264 IP cameras                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |                    |                |
| Analog video input  | 4-ch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 8-ch               | 16-ch              |                |
|                     | BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |                    |                |
| HDTVI input         | 4 MP, 3 MP, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25<br>*: The 3 MP signal input is only available for channel 1 of DS-7204HQHI-K1, for channel 1/2 of DS-7208HQHI-K1, and for channel 1/2/3/4 of DS-7216HQHI-K1.                                                                                                                                                                                                                                                                                                                                        |                    |                    |                |
| AHD input           | 4 MP, 1080p25, 1080p30, 720p25, 720p30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |                    |                |
| HDCVI input         | 4 MP, 1080p25, 1080p30, 720p25, 720p30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |                    |                |
| CVBS input          | PAL/NTSC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |                    |                |
| CVBS output         | 1-ch, BNC (1.0 Vp-p, 75 Ω),<br>resolution: PAL: 704 × 576, NTSC: 704 × 480                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |                    |                |

|                           |                                                                                         |                    |                                                                                                                          |
|---------------------------|-----------------------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------|
| VGA output                | 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz              |                    |                                                                                                                          |
| HDMI output               | 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz              |                    | 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz |
| Audio input               | 1-ch, RCA (2.0 Vp-p, 1 KΩ)                                                              |                    |                                                                                                                          |
| 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                                                                                    | 8-ch               | 16-ch                                                                                                                    |
| Network                   |                                                                                         |                    |                                                                                                                          |
| Remote connection         | 32                                                                                      | 64                 | 128                                                                                                                      |
| Network protocol          | TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF |                    |                                                                                                                          |
| Network interface         | 1, RJ45 10M/100M self-adaptive Ethernet interface                                       |                    | 1, RJ45 10M/100M/1000M self-adaptive Ethernet interface                                                                  |
| Auxiliary interface       |                                                                                         |                    |                                                                                                                          |
| SATA                      | 1 SATA interface                                                                        |                    |                                                                                                                          |
| Capacity                  | Up to 10 TB capacity for each disk                                                      |                    |                                                                                                                          |
| Serial interface          | RS-485 (half-duplex)                                                                    |                    |                                                                                                                          |
| USB interface             | 2 × USB 2.0                                                                             |                    | Front panel: 1 × USB 2.0<br>Rear panel: 1 × USB 3.0                                                                      |
| Alarm in/out              | N/A                                                                                     |                    |                                                                                                                          |
| General                   |                                                                                         |                    |                                                                                                                          |
| Power supply              | 12 VDC                                                                                  |                    |                                                                                                                          |
| Consumption (without HDD) | ≤ 6 W                                                                                   | ≤ 7.5 W            | ≤ 25 W                                                                                                                   |
| Working temperature       | -10 °C to +55 °C (+14 °F to +131 °F)                                                    |                    |                                                                                                                          |
| Working humidity          | 10% to 90%                                                                              |                    |                                                                                                                          |
| Dimension (W × D × H)     | 315 × 242 × 45 mm (12.4 × 9.5 × 1.8 inch)                                               |                    |                                                                                                                          |
| Weight (without HDD)      | ≤ 1.16 kg (2.6 lb)                                                                      | ≤ 1.78 kg (3.9 lb) | ≤ 2 kg (4.4 lb)                                                                                                          |

## Physical Interface



\*: The rear panel of DS-7204/7208HQHI-K1 provides 4/8 video input interfaces.

| No. | Description              | No. | Description             |
|-----|--------------------------|-----|-------------------------|
| 1   | VIDEO IN                 | 7   | LAN Network Interface   |
| 2   | AUDIO IN, RCA Connector  | 8   | RS-485 Serial Interface |
| 3   | AUDIO OUT, RCA Connector | 9   | Power Input             |
| 4   | VGA Interface            | 10  | Power Switch            |
| 5   | HDMI Interface           | 11  | GND                     |
| 6   | USB Interface            | 12  | VIDEO OUT               |

## Available Model

DS-7204HQHI-K1, DS-7208HQHI-K1, DS-7216HQHI-K1

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