

DS-7200HQHI-K1 SERIES TURBO HD DVR

Key Feature

- H.265 Pro+/H.265 Pro/H.265 video compression
- HDTV/AVD/CVI/AVBS/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 HDTV 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

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

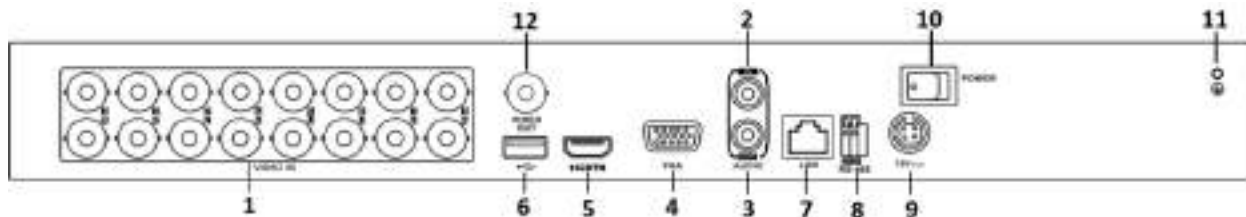
| Model | DS-7204HQHI-K1 | DS-7208HQHI-K1 | DS-7216HQHI-K1 |
|---|--|---|---|
| Perimeter Protection¹ | | | |
| Line Crossing Detection/ Intrusion Detection | 2-ch Enhanced VCA mode on: 4-ch | 2-ch Enhanced VCA mode on: 4-ch | 2-ch Enhanced VCA mode on: 4-ch |
| Recording | | | |
| Video compression | H.265 Pro+/H.265 Pro/H.265/H.264+/H.264 | | |
| Encoding resolution | When 1080p lite mode is not enabled: 4 MP lite/3 MP/1080p/720p/VGA/WD1/4CIF/CIF When 1080p Lite mode is enabled: 4 MP lite/3 MP/1080p lite/720p lite/VGA/WD1/4CIF/CIF | | |
| Frame rate | Main stream: When 1080p Lite mode is not enabled: For 4 MP stream access: 4 MP lite@15fps; 1080p lite/720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N) For 3 MP stream access: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF@15fps For 1080p stream access: 1080p/720p@15fps; VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) When 1080p Lite mode is enabled: 4 MP lite/3 MP@15fps; 1080p lite/720p lite/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) Sub-stream: 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 input² | 1-ch (up to 5-ch) Enhanced IP mode on: 2-ch (up to 6-ch), each up to 4 Mbps | 2-ch (up to 10-ch) Enhanced IP mode on: 4-ch (up to 12-ch), each up to 4 Mbps | 2-ch (up to 18-ch) Enhanced IP mode on: 8-ch (up to 24-ch), each up to 4 Mbps |
| | 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 | | |
| HDTVl input | 4 MP, 3 MP, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25 *: 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), 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) | | |
| | 4-ch via coaxial cable | 8-ch via coaxial cable | 16-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 | 8-ch | 16-ch |
| | | | |
| Network | | | |
| Total bandwidth | 72 Mbps | 96 Mbps | 128 Mbps |
| Incoming bandwidth (Enhanced IP mode) | 24 Mbps | 48 Mbps | 96 Mbps |
| 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 Rear panel: 1 × USB 3.0 | |
| Alarm in/out | N/A | | |
| General | | | |
| Power supply | 12 VDC, 1.5 A | 12 VDC, 1.5 A | 12 VDC, 3.33 A |
| 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) |
| | | | |

Note:

- 1: Enabling enhanced VCA mode will maximize the connectable channel number for perimeter protection (line crossing detection and intrusion detection), but disable 2K/4K HDMI output resolution and 4 MP signal input.
- 2: Enhanced IP mode might be conflicted with smart events (perimeter protection) or other functions, please refer to the user manual for details.

Physical Interface



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

| No. | Description | No. | Description |
|-----|----------------------------|-----|-------------------------|
| 1 | Video and Coaxial Audio 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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