

DS-7100HQHI-K1 SERIES TURBO HD DVR



Features and Functions

Video Input and Transmission

- Self-adaptive HDTV/HDCVI/AHD/CVBS signal input
- Up to 6/12/24-ch 6 MP IP cameras input for DS-7104/7108/7116HQHI-K1
- Long distance transmission over UTP and coaxial cable: max. 800m for 1080p and 1200m for 720p HDTV 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+ can be enabled to improve encoding efficiency and reduce data storage costs
- Full channel recording at up to 4 MP lite resolution
- Supports real-time 1080p lite. When 1080p lite is on, the image effect is similar with 1080p

Video Output

- Simultaneous HDMI/VGA output
- HDMI output at up to 4K (3840 × 2160) resolution for DS-7116HQHI-K1

Storage and Playback

- One SATA interface (up to 6 TB capacity per HDD)
- 4/8/16-ch synchronous playback
- Smart search for efficient playback
- Supports third-party cloud storage (Dropbox/Google Drive/Microsoft OneDrive)

Smart Function

- VQD (Video Quality Diagnostics)

Network & Ethernet Access

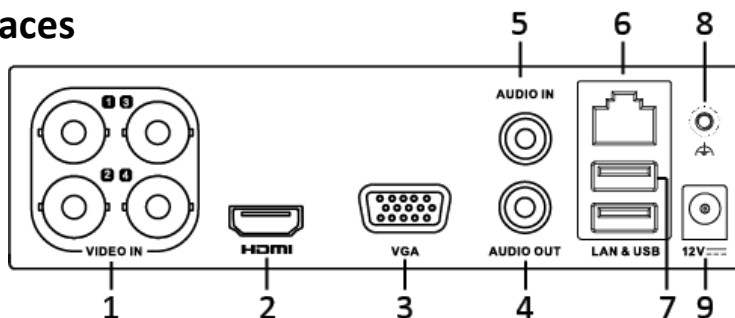
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- One RJ45 10M/100M Ethernet network interface for DS-7104/7108HQHI-K1, and one 10M/100M/1000M Ethernet network interface for DS-7116HQHI-K1
- Output bandwidth limit configurable



Specifications

| Model | DS-7104HQHI-K1 | DS-7108HQHI-K1 | DS-7116HQHI-K1 | |
|--|----------------------------------|---|--------------------|---|
| Video/Audio input | Video compression | H.265 Pro+/H.265 Pro/H.265/H.264+/H.264 | | |
| | 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, 1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60 Note: The 3 MP signal input is only available for channel 1 of DS-7104HQHI-K1, channel 1/2 of DS-7108HQHI-K1, and channel 1/2/3/4 of DS-7116HQHI-K1. | | |
| | AHD input | 4 MP, 1080p25, 1080p30, 720p25, 720p30 | | |
| | HDCVI input | 4 MP, 1080p25, 1080p30, 720p25, 720p30 | | |
| | CVBS input | Support | | |
| | 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 | | |
| | | Supports H.265+/H.265/H.264+/H.264 IP cameras | | |
| Audio compression | G.711u | | | |
| Audio input/Two-way audio input | 1-ch, RCA (2.0 Vp-p, 1 KΩ) | | | |
| Video/Audio output | HDMI/VGA output | 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz | | HDMI: 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz |
| | | When 1080p Lite mode not enabled: 4 MP lite/3 MP/1080p/720p/WD1/4CIF/VGA/CIF; When 1080p Lite mode enabled: 4 MP lite/3 MP/1080p lite/720p lite/WD1/4CIF/VGA/CIF | | |
| | Encoding resolution | When 1080p Lite mode not enabled: 4 MP lite/3 MP/1080p/720p/WD1/4CIF/VGA/CIF; When 1080p Lite mode enabled: 4 MP lite/3 MP/1080p lite/720p lite/WD1/4CIF/VGA/CIF | | |
| | Frame rate | Main stream: When 1080p Lite mode 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 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 | | |
| | Video bit rate | 32 Kbps to 6 Mbps | | |
| | Audio output | 1-ch, RCA (Linear, 1 KΩ) | | |
| | Audio bit rate | 64 Kbps | | |
| | Dual stream | Support | | |
| Stream type | Video, Video & Audio | | | |
| Synchronous playback | 4-ch | 8-ch | 16-ch | |
| Network management | Incoming bandwidth | 24 Mbps | 48 Mbps | 96 Mbps |
| | Remote connections | 32 | 64 | 128 |
| | Network protocols | TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF | | |
| Hard disk | SATA | 1 SATA interface | | |
| | Capacity | Up to 6 TB capacity for each disk | | |
| External interface | Network interface | 1, RJ45 10M/100M self-adaptive Ethernet interface | | 1, RJ45 10M/100M/1000M self-adaptive Ethernet interface |
| | USB interface | Real panel: 2 × USB 2.0 | | |
| General | Power supply | 12 VDC | | |
| | Consumption (without HDD) | ≤ 8 W | ≤ 12 W | ≤ 15 W |
| | Working temperature | -10 °C to +55 °C (+14 °F to +131 °F) | | |
| | Working humidity | 10% to 90% | | |
| | Dimensions (W × D × H) | 200 × 200 × 45 mm (7.9 × 7.9 × 1.8 inch) | | 285 × 210 × 45 mm (11.2 × 8.3 × 1.8 inch) |
| | Weight (without HDD) | ≤ 1 kg (2.2 lb) | | |

Physical Interfaces



NOTE

The rear panel of DS-7108/7116HQHI-K1 provides 8/16 video input interfaces.

| Index | Description | Index | Description |
|-------|--------------------------|-------|-----------------------|
| 1 | VIDEO IN | 6 | LAN Network Interface |
| 2 | HDMI Interface | 7 | USB Interfaces |
| 3 | VGA Interface | 8 | GND |
| 4 | AUDIO OUT, RCA Connector | 9 | 12 VDC Power Input |
| 5 | AUDIO IN, RCA Connector | | |

Available Models

DS-7104HQHI-K1, DS-7108HQHI-K1, DS-7116HQHI-K1

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