

DS-7204HTHI-K1 SERIES TURBO HD DVR



Features and Functions

Video Input and Transmission

- Self-adaptive HDTV/HD/AV/TV/AVBS signal input
- Up to 2-ch 8 MP IP cameras input
- 8 MP HDTV 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 HDTV 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 8 MP resolution

Video Output

- Simultaneous HDMI/VGA output
- HDMI output at up to 4K (3840 × 2160) resolution
- Separate CVBS output

Storage and Playback

- 1 SATA interface (up to 8 TB capacity per HDD)
- 4-ch synchronous playback
- Smart search for efficient playback
- Supports the 3rd 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

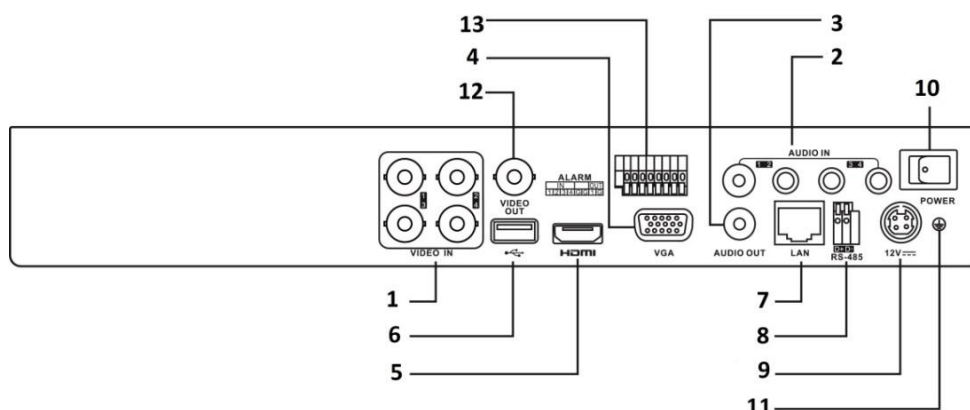
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- 1 RJ45 10M/100M/1000M self-adaptive Ethernet interface
- Output bandwidth limit configurable



Specifications

| Model | DS-7204HTHI-K1 | | |
|-----------------------------|----------------------------------|---|---|
| Video/Audio input | Video compression | H.265+/H.265/H.264+/H.264 | |
| | Analog video input | 4-ch BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection | |
| | HDTVI input | 8 MP, 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 8 MP resolution Supports H.265+/H.265/H.264+/H.264 IP cameras |
| | | Audio compression | G.711u |
| | | Audio input | 4-ch, RCA (2.0 Vp-p, 1 KΩ) |
| | Video/Audio output | CVBS output | 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480 |
| HDMI/VGA output | | VGA: 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 | |
| Encoding resolution | | 8 MP/5 MP/4 MP/3 MP/1080p/720p/WD1/4CIF/VGA/CIF | |
| Frame rate | | Main stream: 8 MP@10fps, 5 MP@20fps, 3 MP@18fps 4 MP/1080p/720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N) | |
| | | Sub-stream: WD1/4CIF/CIF@25fps (P)/30fps (N) | |
| Video bit rate | | 32 Kbps to 16 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 | |
| Network management | | Remote connections | 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 8 TB capacity for each disk | |
| External interface | Two-way audio input | 1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the 1 st audio input) | |
| | Network interface | 1, RJ45 10M/100M/1000M self-adaptive Ethernet interface | |
| | USB interface | Front panel: 1 × USB 2.0 Rear panel: 1 × USB 3.0 | |
| | Serial interface | RS-485 (half-duplex) | |
| | Alarm in/out | 4/1 | |
| General | Power supply | 12 VDC | |
| | Consumption (without HDD) | ≤ 15 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) | ≤ 1.5 kg (3.3 lb) | |

Physical 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-7204HTHI-K1

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