DS-7204HTHI-K1 SERIES
TURBO HD DVR

Key Feature

- H.265 Pro+/H.265 Pro/H.265 video compression
- HDTVI/AHD/CVI/CVBS/IP video input
- Audio via coaxial cable
- Up to 8-ch IP camera inputs (up to 8 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 8 MP 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 line crossing detection and intrusion detection of all channels, and 2-ch sudden scene change detection

Network & Ethernet Access

- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- output bandwidth limit configurable
# Specification

<table>
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<th>DS-7204HTHI-K1</th>
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## Perimeter Protection
- **Line Crossing Detection/Intrusion Detection**: 4-ch

## Recording
- **Encoding resolution**: 8 MP/5 MP/3K/4 MP/3 MP/1080p/720p/WD1/4CIF/VGA/CIF
- **Frame rate**:
  - **Main stream**:
    - 8 MP@15 fps/5 MP@20fps/3K@20 fps/3 MP@18 fps
    - 4 MP/1080p/720p/WD1/4CIF/VGA/CIF@25 fps (P)/30 fps (N)
  - **Sub-stream**:
    - WD1/4CIF/CIF@25 fps (P)/30 fps (N)
- **Video bit rate**: 32 Kbps to 16 Mbps
- **Dual stream**: Support
- **Stream type**: Video, Video & Audio
- **Audio compression**: G.711u
- **Audio bit rate**: 64 Kbps

## Video and Audio
- **IP video input**: 4-ch (up to 8-ch)
  - Up to 8 MP resolution
  - Support H.265+/H.265/H.264+/H.264 IP cameras
- **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**: 5 MP, 4 MP, 3 MP, 1080p25, 1080p30, 720p25, 720p30
- **HDCVI input**: 5 MP, 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, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
- **Audio input**: 4-ch, RCA (2.0 Vp-p, 1 KΩ)
  - 4-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

## Network
- **Total bandwidth**: 128 Mbps
- **Remote connection**: 32
- **Network protocol**: TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF
- **Network interface**: 1, RJ45 10M/100M/1000M self-adaptive Ethernet interface
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<td>SATA</td>
<td>1 SATA interface</td>
</tr>
<tr>
<td>Capacity</td>
<td>Up to 10 TB capacity for each disk</td>
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<tr>
<td>Serial interface</td>
<td>RS-485 (half-duplex)</td>
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</table>
| USB interface       | Front panel: 1 × USB 2.0  
Rear panel: 1 × USB 3.0 |
| Alarm in/out        | 4/1 |
| General             |  |
| Power supply        | 12 VDC, 1.5 A |
| Consumption (without HDD) | ≤ 15 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) | ≤ 1.5 kg (3.3 lb) |
### Physical Interface

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<td>RS-485 Serial Interface</td>
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<td>AUDIO IN, RCA Connector</td>
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<td>12 VDC Power Input</td>
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<td>3</td>
<td>AUDIO OUT, RCA Connector</td>
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<td>Power Switch</td>
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<td>VGA Interface</td>
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<td>Alarm In/Out</td>
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<td>7</td>
<td>LAN Network Interface</td>
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### Available Model

**DS-7204HTHI-K1**

Distributed by

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