

TURBO HD DVR

Features and Functions

Video Input and Transmission

- Self-adaptive normal camera and Hikvision PoC camera connect
- Up to 1-ch 4 MP IP cameras input for DS-7204HQHI-K1/P, and 2-ch 4 MP IP cameras input for DS-7208/7216HQHI-K2/P
- Long distance transmission over coaxial cable: max. 800m for 1080p and 1200m for 720p HDTV signal, and 200m for PoC camera
- Automatic power supply management for PoC camera to guarantee safety

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
- Up to 3 MP resolution for recording
- Supports real-time 1080p lite and when enabled, the image effect is similar with 1080p

Video Output

- Simultaneous HDMI/VGA output
- HDMI output at up to 4K (3840 × 2160) resolution for DS-7216HQHI-K2/P
- Separate CVBS output

Storage and Playback

- One SATA interface for DS-7204HQHI-K1/P, and two SATA interfaces for DS-7208/7216HQHI-K2/P (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

- Supports multiple VCA (Video Content Analytics) events for both analog and smart IP cameras
- Supports 4-ch line crossing detection and intrusion detection, and DS-7216HQHI-K2/P also supports 1-ch sudden scene change detection
- VQD (Video Quality Diagnostics)
- Supports PTZ control via Omnicast VMS of Genetec protocol

Network & Ethernet Access

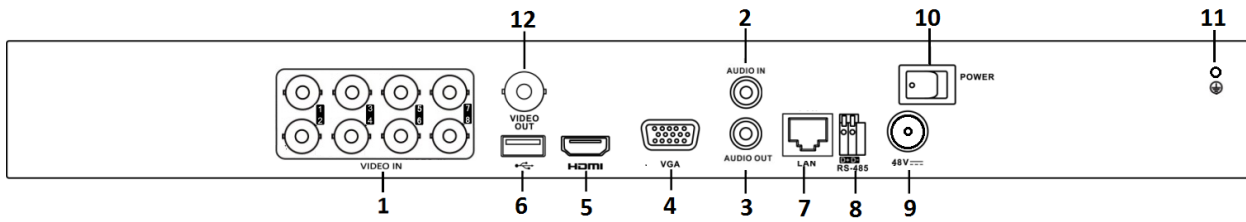
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- One RJ45 10M/100M Ethernet network interface for DS-7204/7208HQHI-K1/P, and one RJ45 10M/100M/1000M Ethernet network interface for DS-7216HQHI-K2/P
- Output bandwidth limit configurable



Specifications

| Model | | | | |
|--------------------------|----------------------------------|--|---|-----------------|
| Video/Audio input | Video compression | H.265+/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 | | |
| | HDTV input | 3 MP, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25 Note: The 3 MP signal input is only available for channel 1 of DS-7204HQH-K1/P, channel 1/2 of DS-7208HQH-K2/P, and channel 1/2/3/4 of DS-7216HQH-K2/P. | | |
| | AHD input | 1080p25, 1080p30, 720p25, 720p30 | | |
| | HDCVI input | 1080p25, 1080p30, 720p25, 720p30 | | |
| | CVBS input | PAL/NTSC | | |
| | PoC camera input | Supports Hikvision PoC camera Note: Do not unplug or plug the PoC camera if it is powered by the external power supply. | | |
| | IP video input | 1-ch | 2-ch | |
| | | Up to 4 MP resolution Supports H.265+/H.265/H.264+/H.264 IP cameras | | |
| | | Audio compression | G.711u | |
| | Audio input | 1-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 | 1-ch, 1920 × 1080/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz | 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 | When 1080p Lite mode not enabled: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF; When 1080p Lite mode enabled: 3 MP/1080p lite/720p lite/VGA/WD1/4CIF/CIF | | |
| | Frame rate | Main stream: When 1080p Lite mode not enabled: For 3 MP stream access: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF@5fps 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: 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 | | |
| | 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 | 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 | 2 SATA interfaces | |
| | Capacity | Up to 6 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 self-adaptive Ethernet interface | 1, RJ45 10M/100M/1000M self-adaptive Ethernet interface | |
| | USB interface | 2 × USB 2.0 | Front panel: 1 × USB 2.0 Rear panel: 1 × USB 3.0 | |
| | Serial interface | RS-485 (half-duplex) | | |
| General | Power supply | 48 VDC | | |
| | Consumption (without HDD) | ≤ 40 W | ≤ 60 W | ≤ 120 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) | 380 × 320 × 48 mm (15.0 × 12.6 × 1.9 inch) | |
| | Weight (without HDD) | ≤ 1.16 kg (2.6 lb) | ≤ 1.78 kg (3.9 lb) | ≤ 2 kg (4.4 lb) |

Physical Interfaces



NOTE The rear panel of 4 & 16ch provides 4/16 video input interfaces.

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| 2 | AUDIO IN, RCA Connector | 8 | RS-485 Serial Interface |
| 3 | AUDIO OUT, RCA Connector | 9 | 48 VDC Power Input |
| 4 | VGA Interface | 10 | Power Switch |
| 5 | HDMI Interface | 11 | GND |
| 6 | USB Interface | 12 | VIDEO OUT |