

CAM-7216H / CAM7204H TURBO HD DVR

Key Features

- Support H.265 Pro+/H.265 Pro/H.265 video compression
- Support HDTVI/AHD/CVI/CVBS/IP video input
- Max. 8/16/32 IP cameras input (up to 8 MP)
- Max. 800 m for 1080p and 1200 m for 720p HDTVI signal transmission
- Up to 10 TB capacity per HDD
- Provide power supply to PoC cameras over coaxial cable



Compression and Recording

- H.265 Pro+ can be enabled to improve encoding efficiency and reduce data storage costs
- Recording at up to 8 MP lite resolution

Storage and Playback

- Smart search for efficient playback
- Support the third party cloud storage (Dropbox/Google Drive/Microsoft OneDrive)

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
- Max. 36/64/128 Mbps incoming bandwidth and output bandwidth limit configurable

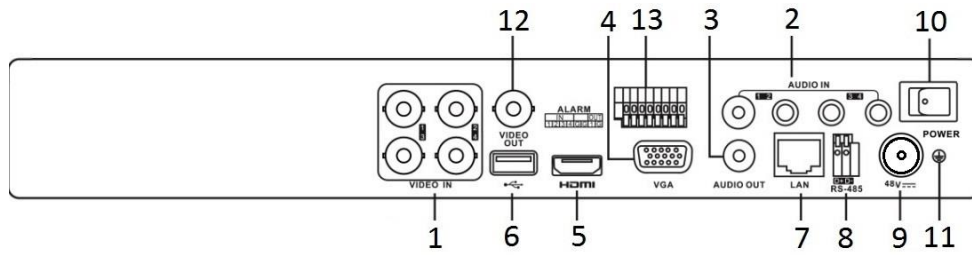


Specifications

| Model | CAM-7204H | CAM-7216H |
|------------------------|---|--|
| Recording | | |
| Video compression | H.265 Pro+/H.265 Pro/H.265/H.264+/H.264 | |
| Encoding resolution | 8 MP/5 MP/4 MP/3 MP/1080p/720p/WD1/4CIF/VGA/CIF | |
| Frame rate | Main stream: 8 MP@8fps/5 MP@12fps/4 MP@15fps/3 MP@18fps 1080p/720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N) *: 8 MP@8fps is only available for channel 1 of DS-7204HUHI-K1/P. | |
| | Sub-stream: WD1/4CIF/CIF@25fps (P)/30fps (N) | |
| Video bit rate | 32 Kbps to 10 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) | 16-ch (up to 32-ch) |
| | Up to 8 MP resolution *: The 8 MP signal input is only available for channel 1 of DS-7204HUHI-K1/P. | |
| | Support H.265+/H.265/H.264+/H.264 IP cameras | |
| Analog video input | 4-ch | 16-ch |
| | BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection | |
| PoC camera input | Support Hikvision PoC camera *: PoC access capability see Appendix. | |
| HDTVI input | 8 MP, 5 MP, 4 MP, 3 MP, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25 | |
| AHD input | 5 MP, 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 | |
| HDMI/VGA output | 1-ch, 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 HDMI: 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) | |
| 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 | 16-ch |

| Network | | | |
|----------------------------------|---|---|-------------------|
| Remote connections | 32 | | 128 |
| Network protocols | 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 | 2 SATA interfaces | |
| 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 | 4/1 | | 4/1 |
| General | | | |
| Power supply | 48 VDC | | 100 to 240 VAC |
| Consumption (without HDD) | ≤ 40 W | | ≤ 140 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) | |
| Weights (without HDD) | ≤ 1.5 kg (3.3 lb) | | ≤ 3.8 kg (8.4 lb) |

Physical Interfaces



*: The rear panel of DS-7208/7216HUHI-K2/P provides 8/16 video input interfaces.

| No. | Description | No. | Description |
|-----|--------------------------|-----|---|
| 1 | VIDEO IN | 8 | RS-485 Serial Interface |
| 2 | AUDIO IN, RCA Connector | 9 | 48 VDC Power Input (for DS-7204/7208HUHI-K/P); 100 to 240 VAC (for DS-7216HUHI-K2/P) |
| 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 | | |

Appendix

AT/AF Mode

With reference to PoE standards, Hikvision has introduced AT and AF mode for PoC to distinguish the power level of PoC cameras: the max. Operating power of AT and AF are 12 W and 6 W respectively. These two modes are not related to IEEE 802.3 IP standard.

PoC Access Capability

| PoC Device | Allowed AT/AF Camera Access |
|------------------|---|
| 4-ch PoC device | 4 AT cameras |
| 16-ch PoC device | 8 AT cameras + 8 AF cameras Or up to 12 AT cameras |

16-ch PoC device is connected to 8 AT cameras through 8 random channels rather than fixed ones. The access scenarios of a 16-ch PoC device are listed in the table below:

| | | | | | | |
|------------------|----|----|----|---|---|------------|
| AT camera access | 12 | 11 | 10 | 9 | 8 | N (0 to 7) |
| AF camera access | 0 | 2 | 4 | 6 | 8 | 16-N |

Distributed by



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