

DS-7300HQHI-F4/N SERIES TURBO HD DVR

Features and Functions

Appearance Design

- Typical chassis design to guarantee the low noise and environmental protection of the device
- Front slot of DVD-R/W for more convenient installation and maintenance

Video Input and Transmission

- Connectable to HDTV, AHD and analog cameras
- Up to 6/10/18-ch 4 MP IP cameras input for DS-7304/7308/7316HQHI-F4/N
- Long distance transmission over UTP and coaxial cable with max. 1200m for the 720p and max. 800m for the 1080p HDTV signal

Compression and Recording

- One-key enable H.264+ compression to improve encoding efficiency by up to 50% and reduce data storage costs
- Up to 3 MP resolution for recording of the first channel of DS-7304HQHI-F4/N, the first 2 channels of DS-7308HQHI-F4/N, and the first 4 channels of DS-7316HQHI-F4/N
- Supports real-time 1080p lite and when enabled, the image effect is similar with 1080p
- Supports POS triggered recording and POS information overlay

Video Output

- HDMI and VGA output can be configured simultaneous or independent. If simultaneous, up to 4K (3840 × 2160) resolution is supported; if independent, up to 1920 × 1080 resolution for VGA output and up to 4K (3840 × 2160) resolution for HDMI output
- Independent CVBS output improves compatibility at the most possibility and serves as the aux output or live view output only

Storage and Playback

- Four SATA interfaces (up to 6 TB capacity per HDD) and 1 eSATA interface
- USB 3.0 provides high-speed file transfer and backup
- 4/8/16-ch synchronous playback at up to 1080p resolution
- 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, and 2-ch line crossing detection and intrusion detection
- VQD (Video Quality Diagnostics)
- Unlock pattern for device login for the *admin* and clear-text password available
- GUID file can be exported for password resetting and imported for finding the forgotten password
- Supports PTZ control via Omnicast VMS of Genetec protocol

Network & Ethernet Access

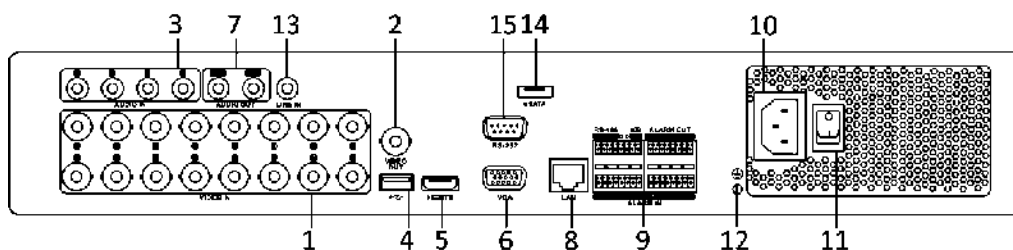
- Hik Cloud P2P & HiDDNS (Dynamic Domain Name System) for easy network management
- One gigabit Ethernet network interface
- Output bandwidth limit configurable



Specifications

| Model | | DS-7304HQHI-F4/N | DS-7308HQHI-F4/N | DS-7316HQHI-F4/N | |
|--------------------|---------------------------|--|---|--------------------|--|
| Video/Audio input | Video compression | 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 | 3 MP, 1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60 Note: The 3 MP signal input is only available for the first channel of DS-7304HQHI-F4/N, the first 2 channels of DS-7308HQHI-F4/N, and the first 4 channels of DS-7316HQHI-F4/N. | | | |
| | AHD input | 1080p25, 1080p30, 720p25, 720p30 | | | |
| | CVBS input | Support | | | |
| | IP video input | 2-ch (up to 6-ch) Up to 4 MP resolution | 2-ch (up to 10-ch) | 2-ch (up to 18-ch) | |
| Video/Audio output | Audio compression | G.711u | | | |
| | Audio input | 4-ch, RCA (2.0 Vp-p, 1 KΩ) | | | |
| | CVBS output | 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480 | | | |
| | HDMI/VGA output | 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 | | | |
| | 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/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@12fps For 1080p stream access: 1080p/720p@12fps; 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/1080p lite/720p/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) Sub-stream: WD1/4CIF/2CIF@12fps; CIF/QVGA/QCIF@25fps (P)/30fps (N) | | | |
| | Video bit rate | 32 Kbps to 6 Mbps | | | |
| | Audio output | 2-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 Cloud P2P, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF | | |
| Hard disk | SATA | 4 SATA interfaces | | | |
| | eSATA | Support | | | |
| | Capacity | Up to 6 TB capacity for each disk | | | |
| External interface | Two-way audio input | 1-ch, RCA (2.0 Vp-p, 1 KΩ) (independent) | | | |
| | Network interface | 1, RJ45 10M/100M/1000M self-adaptive Ethernet interface | | | |
| | USB interface | Front panel: 2 × USB 2.0 Rear panel: 1 × USB 3.0 | | | |
| | Serial interface | RS-232, RS-485 (full-duplex), Keyboard | | | |
| | Alarm in/out | 16/4 | | | |
| General | Power supply | 100 to 240 VAC | | | |
| | Consumption (without HDD) | ≤ 30 W | ≤ 40 W | ≤ 55 W | |
| | Working temperature | -10 °C to +55 °C (14 °F to 131 °F) | | | |
| | Working humidity | 10% to 90% | | | |
| | Dimensions (W × D × H) | 445 × 390 × 70 mm (17.5 × 15.4 × 2.8 inch) | | | |
| | Weight (without HDD) | ≤ 5 kg (11.0 lb) | | | |

Physical Interfaces



NOTE

The rear panel of DS-7304/7308HQHI-F4/N provides 4/8 video input interfaces.

| Index | Description | Index | Description |
|-------|----------------------------------|-------|---|
| 1 | VIDEO IN | 9 | RS-485 Serial Interface, Keyboard Interface, ALARM IN and ALARM OUT |
| 2 | VIDEO OUT | 10 | 100 to 240 VAC Power Input |
| 3 | AUDIO IN, RCA Connector | 11 | Power Switch |
| 4 | USB Interface | 12 | GND |
| 5 | HDMI Interface | 13 | LINE IN |
| 6 | VGA Interface | 14 | eSATA Interface |
| 7 | CVBS AUDIO OUT and VGA AUDIO OUT | 15 | RS-232 Serial Interface |
| 8 | LAN Network Interface | | |

Distributed by



Available Models

DS-7304HQHI-F4/N, DS-7308HQHI-F4/N, DS-7316HQHI-F4/N

HIKVISION®

Headquarters

No.555 Qianmo Road, Binjiang District,
Hangzhou 310051, China
T +86-571-8807-5998
overseasbusiness@hikvision.com

Hikvision USA
T +1-909-895-0400
sales.usa@hikvision.com

Hikvision Italy
T +39-0438-6902
info.it@hikvision.com

Hikvision Singapore
T +65-6684-4718
sg@hikvision.com

Hikvision Africa
T +27 (10) 0351172
sale.africa@hikvision.com

Hikvision Europe
T +31-23-55-42-770
info.eu@hikvision.com

Hikvision France
T +33(0)1-85-330-450
info.fr@hikvision.com

Hikvision Oceania
T +61-2-8599-4233
salesau@hikvision.com

Hikvision Hong Kong
T +852-2151-1761

Hikvision Middle East
T +971-4-8816086
salesme@hikvision.com

Hikvision Spain
T +34-91-737-16-55
info.es@hikvision.com

Hikvision Canada
T +1-909-895-0400
sales.usa@hikvision.com

Hikvision Russia
T +7-495-669-67-99
saleru@hikvision.com

Hikvision Poland
T +48-22-460-01-50
poland@hikvision.com

Hikvision Korea
T +82-31-731-8841
sales.korea@hikvision.com

Hikvision India
T +91-22-28469900
sales@pramahikvision.com

Hikvision UK
T +01628-902140
support.uk@hikvision.com

Hikvision Brazil
T +55 11 3318-0050
Latam.support@hikvision.com