

## DS-7100HQHI-F1/N SERIES TURBO HD DVR



### Features and Functions

#### Video Input and Transmission

- Connectable to HDTV, AHD and analog cameras
- 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-7104HQHI-F1/N, the first 2 channels of DS-7108HQHI-F1/N, and the first 4 channels of DS-7116HQHI-F1/N
- Supports real-time 1080p lite and when enabled, the image effect is similar with 1080p

#### Video Output

- Simultaneous HDMI/VGA output at up to 1920 × 1080 resolution for DS-7104/7108HQHI-F1/N and 4K (3840 × 2160) resolution for HDMI output of DS-7116HQHI-F1/N

#### Storage and Playback

- One SATA interface (up to 6 TB capacity per HDD)
- 4/8/16-ch synchronous playback
- Smart search for efficient playback

#### Smart Function

- 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

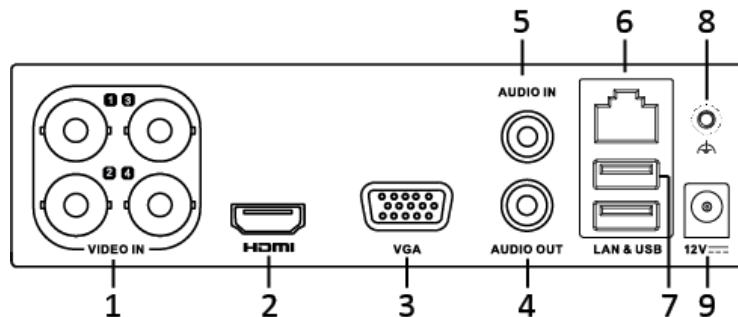
- Hik Cloud P2P & HiDDNS (Dynamic Domain Name System) for easy network management
- One self-adaptive 10/100Mbps network interface for DS-7104/7108HQHI-F1/N and one self-adaptive 10/100/1000Mbps network interface for DS-7116HQHI-F1/N
- Output bandwidth limit configurable



## Specifications

| Model              |                                 | DS-7104HQHI-F1/N   | DS-7108HQHI-F1/N  | DS-7116HQHI-F1/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<br><b>Note:</b> The 3 MP signal input is only available for the first channel of DS-7104HQHI-F1/N, the first 2 channels of DS-7108HQHI-F1/N, and the first 4 channels of DS-7116HQHI-F1/N.  |   |  |  |
|                    | AHD input                       | 1080p25, 1080p30, 720p25, 720p30   |   |  |  |
|                    | CVBS input                      | Support  |   |  |  |
|                    | Audio compression               | G.711u   |   |  |  |
| Video/Audio output | Audio input/Two-way audio input | 1-ch, RCA (2.0 Vp-p, 1 KΩ)   |   |  |  |
|                    | HDMI/VGA output                 | 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz   |   | <b>HDMI:</b> 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz<br><b>VGA:</b> 1-ch, 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;<br>When 1080p Lite mode enabled: 3 MP/1080p lite/720p/VGA/WD1/4CIF/CIF   |   |  |  |
|                    | Frame rate                      | Main stream:<br>When 1080p Lite mode not enabled:<br>For 3 MP stream access: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF@12fps<br>For 1080p stream access: 1080p/720p@12fps; VGA/WD1/4CIF/CIF@25fps (P)/30fps (N)<br>For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N)<br>When 1080p Lite mode enabled:<br>3 MP/1080p lite/720p/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N)<br>Sub-stream:<br>WD1/4CIF/2CIF@12fps; CIF/QVGA/QCIF@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 Cloud P2P, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF |  |  |
|                    | Hard disk                       | SATA   | 1 SATA interface  |  |  |
| Capacity           |                                 | Up to 6 TB capacity for each disk  |   |  |  |
| External interface | Network interface               | 1, RJ45 10M/100M self-adaptive Ethernet interface  |   | 1, RJ45 10M/100M/1000M self-adaptive Ethernet interface  |  |
|                    | USB interface                   | Real panel: 2 × USB 2.0  |   |  |  |
| General            | Power supply                    | 12 VDC   |   |  |  |
|                    | Consumption (without HDD)       | ≤ 8 W  | ≤ 12 W  | ≤ 20 W   |  |
|                    | Working temperature             | -10 °C to +55 °C (14 °F to 131 °F)   |   |  |  |
|                    | Working humidity                | 10% to 90%   |   |  |  |
|                    | Dimensions (W × D × H)          | 200 × 200 × 45 mm (7.9 × 7.9 × 1.8 inch)   |   | 285 × 210 × 45 mm (11.2 × 8.3 × 1.8 inch)  |  |
|                    | Weight (without HDD)            | ≤ 0.8 kg (1.8 lb)  |   | ≤ 1.2 kg (2.6 lb)  |  |

## Physical Interfaces



### NOTE

The rear panel of DS-7108/7116HQHI-F1/N provides 8/16 video input interfaces.

| Index | Description              | Index | Description           |
|-------|--------------------------|-------|-----------------------|
| 1     | VIDEO IN                 | 6     | LAN Network Interface |
| 2     | HDMI Interface           | 7     | USB Interfaces        |
| 3     | VGA Interface            | 8     | GND                   |
| 4     | AUDIO OUT, RCA Connector | 9     | 12 VDC Power Input    |
| 5     | AUDIO IN, RCA Connector  |       |                       |

## Available Models

DS-7104HQHI-F1/N, DS-7108HQHI-F1/N, DS-7116HQHI-F1/N

Distributed by



## 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