

## DS-7200HQHI-F2/N SERIES TURBO HD DVR



### Features and Functions

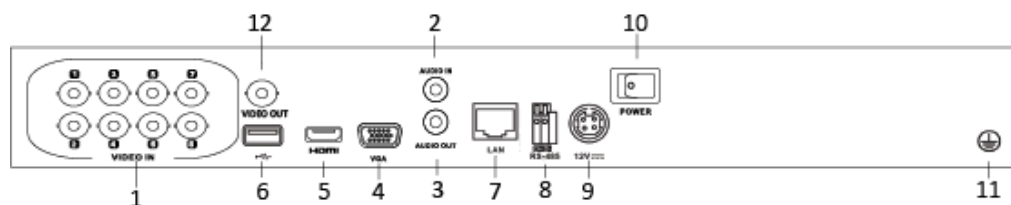
- Connectable to HD-TVI, AHD, network and analog cameras;
- Support HIKVISION-C protocol for connecting camera over coax;
- Support enabling H.264+ to ensure high video quality with lowered bitrate;
- Simultaneous HDMI, VGA and CVBS outputs, and HDMI/VGA output at up to 1920 × 1080/60Hz resolution for DS-7208HQHI-F2/N and 4K (3840 × 2160) resolution for DS-7216HQHI-F2/N;
- One-key recording configurable;
- Redundant recording and holiday recording;
- Main stream and sub-stream parameters configurable for simultaneous recording;
- Support channel-zero encoding;
- Support 1080p lite mode enabled to realize the real-time 1080p lite and 720p lite resolution;
- Instant playback for assigned camera during multi-channel live view mode;
- Up to 8/16-ch synchronous playback at 1080p resolution;
- Playback at up to 256X speed;
- Main stream and sub-stream selectable for local/remote playback;
- Playback by smart search and VCA search;
- Customization of tags, searching and playing back by tags;
- Manual video quality diagnostics;
- Supports locking and unlocking of video files;
- HDD quota and group management; different capacity can be assigned to different cameras under quota mode;
- Two SATA interfaces provided;
- One RJ45 10M/100Mbps self-adaptive network interface for DS-7208HQHI-F2/N and one RJ45 10M/100M/1000Mbps self-adaptive network interface for DS-7216HQHI-F2/N;
- Supports access by EZVIZ Cloud P2P;
- Supports Hikvision DDNS (Dynamic Domain Name System).



## Specifications

| Model              |                           | DS-7208HQHI-F2/N                                                                                                                                     | DS-7216HQHI-F2/N                                                                                                            |
|--------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Video/Audio input  | Video compression         | H.264                                                                                                                                                |                                                                                                                             |
|                    | Video input               | 8-ch                                                                                                                                                 | 16-ch                                                                                                                       |
|                    |                           | BNC interface (1.0Vp-p, 75 Ω), supporting coaxitron connection                                                                                       |                                                                                                                             |
|                    | Supported HDTV input      | 1080p/25Hz, 1080p/30Hz, 720p/25Hz, 720p/30Hz, 720P/50Hz, 720p/60Hz                                                                                   |                                                                                                                             |
|                    | Supported AHD input       | 720p/25Hz, 720p/30Hz                                                                                                                                 |                                                                                                                             |
|                    | CVBS input                | Support                                                                                                                                              |                                                                                                                             |
|                    | IP video input            | 2-ch                                                                                                                                                 |                                                                                                                             |
|                    |                           | Up to 2.0MP resolution                                                                                                                               |                                                                                                                             |
| Video/Audio output | Audio compression         | G.711u                                                                                                                                               |                                                                                                                             |
|                    | Audio input               | 1-ch, RCA (2.0 Vp-p, 1 KΩ)                                                                                                                           |                                                                                                                             |
|                    | CVBS output               | Support                                                                                                                                              |                                                                                                                             |
|                    | HDMI/VGA output           | 1-ch, 1920 × 1080/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60Hz, 1024 × 768/60 Hz                                                                        | 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60Hz, 1024 × 768/60 Hz |
|                    | Encoding resolution       | When 1080p Lite mode not enabled: 1080p(non-real-time)/720p/VGA/WD1/4CIF/CIF;<br>When 1080p Lite mode enabled: 1080p lite/720p lite/VGA/WD1/4CIF/CIF |                                                                                                                             |
|                    | Frame rate                | Main stream: 1/16 fps to real time frame rate                                                                                                        |                                                                                                                             |
|                    |                           | Sub-stream: WD1/4CIF@12fps/2CIF (non-real-time); CIF/QVGA/QCIF (real time)                                                                           |                                                                                                                             |
|                    | 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                                                                                                                                 |                                                                                                                             |
| Network management | Synchronous playback      | 8-ch                                                                                                                                                 | 16-ch                                                                                                                       |
|                    | Remote connections        | 128                                                                                                                                                  |                                                                                                                             |
|                    | Network protocols         | TCP/IP, PPPoE, DHCP, EZVIZ Cloud P2P, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS                                                                 |                                                                                                                             |
| Hard disk          | SATA                      | 2 SATA interfaces                                                                                                                                    |                                                                                                                             |
|                    | Capacity                  | Up to 6TB capacity                                                                                                                                   |                                                                                                                             |
| External interface | Two-way audio input       | 1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the 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                                                                                                                                          | 1 USB 2.0 on the front panel<br>1 USB 3.0 on the rear panel                                                                 |
|                    | Serial interface          | 1; RS-485 serial interface, half-duplex                                                                                                              |                                                                                                                             |
| General            | Power supply              | 12 VDC                                                                                                                                               |                                                                                                                             |
|                    | Consumption (without HDD) | ≤ 20W                                                                                                                                                | ≤ 30W                                                                                                                       |
|                    | Working temperature       | -10 °C to +55 °C (14 °F to 131 °F)                                                                                                                   |                                                                                                                             |
|                    | Working humidity          | 10% to 90%                                                                                                                                           |                                                                                                                             |
|                    | Dimensions (W × D × H)    | 380 × 320 × 48 mm (15.0 × 12.6 × 1.9 inch)                                                                                                           |                                                                                                                             |
|                    | Weight (without HDD)      | ≤ 2 kg (4.4lb)                                                                                                                                       | ≤ 2 kg (4.4lb)                                                                                                              |

## Physical Interfaces



The rear panel of DS-7216HQHI-F2/N provides 16 video input interfaces.

| Index | Description              | Index | Description             |
|-------|--------------------------|-------|-------------------------|
| 1     | VIDEO IN                 | 7     | LAN Network Interface   |
| 2     | AUDIO IN, RCA Connector  | 8     | RS-485 Serial Interface |
| 3     | AUDIO OUT, RCA Connector | 9     | 12VDC Power Input       |
| 4     | VGA Interface            | 10    | Power Switch            |
| 5     | HDMI Interface           | 11    | GND                     |
| 6     | USB Interface            | 12    | VIDEO OUT               |

## Available Models

DS-7208HQHI-F2/N, DS-7216HQHI-F2/N

Distributed by

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

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

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

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

**Hikvision UK**  
T +44-1628-9021-4  
support.uk@hikvision.com

**Hikvision Europe**  
T +31-23-5542770  
saleseuro@hikvision.com

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

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

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

**Hikvision France**  
T +33(0)1-85-330-444  
info.fr@hikvision.com

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

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

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

**Hikvision Hong Kong**  
T +852-2151-1761