

## DS-7200HQHI-SH SERIES TURBO HD DVR



### Features and Functions

#### Video Input and Transmission

- Connectable to HDTV and analog cameras
- Up to 2-ch 1080p IP cameras input
- Long distance transmission over UTP and coaxial cable

#### Compression and Recording

- Full channel recording at up to 1080p resolution

#### Video Output

- Simultaneous HDMI/VGA output at up to 1920×1080 resolution

#### Storage and Playback

- Two SATA interfaces (up to 6 TB capacity per HDD) for DS-7208/7216HQHI-SH
- 4/8/16-ch synchronous playback at up to 1080p resolution
- Smart search for efficient playback

#### Smart Function

- Supports multiple VCA (Video Content Analytics) events for both analog and smart IP cameras
- VQD (Video Quality Diagnostics)

#### Network & Ethernet Access

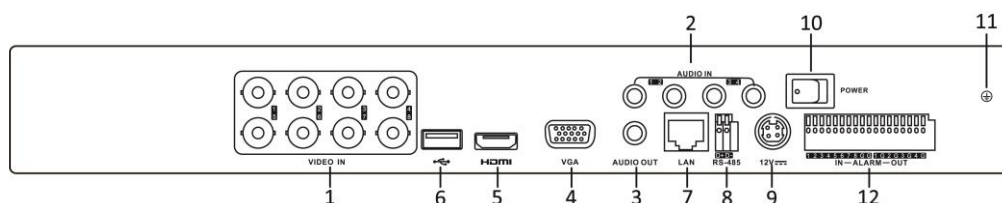
- Hik Cloud P2P & HiDDNS (Dynamic Domain Name System) for easy network management
- 1 gigabit Ethernet network interface



## Specifications

| Model              |                              | DS-7204HQHI-SH   | DS-7208HQHI-SH    | DS-7216HQHI-SH                                |                 |
|--------------------|------------------------------|--|-------------------|---|-----------------|
| Video/Audio input  | Video compression            | H.264  |                   |   |                 |
|                    | Analog and HDTVI video input | 4-ch   | 8-ch              | 16-ch   |                 |
|                    |                              | BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection                                |                   |   |                 |
|                    | Supported camera types       | 720p25, 720p30, 720p50, 720p60, 1080p25, 1080p30, CVBS   |                   |   |                 |
|                    | IP video input               | 2-ch   |                   |   |                 |
|                    |                              | Up to 1080p resolution   |                   |   |                 |
|                    | Audio compression            | G.711u, G.726, G.711a, G.722   |                   |   |                 |
| Audio input        | 4-ch, RCA (2.0 Vp-p, 1 KΩ)   |  |                   |   |                 |
| Video/Audio output | HDMI/VGA output              | 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz                           |                   |   |                 |
|                    | Encoding resolution          | 1080p/720p/VGA/WD1/4CIF/CIF  |                   |   |                 |
|                    | Frame rate                   | Main stream:<br>1080p/720p/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N)                                |                   |   |                 |
|                    |                              | Sub-stream:<br>WD1/4CIF@12fps;<br>CIF/QCIF/QVGA@25fps (P)/30fps (N)                            |                   |   |                 |
|                    | Video bit rate               | 32 Kbps to 10 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, SMTP, SNMP, NFS, iSCSI, UPnP™, HTTPS |                   |   |                 |
| 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 <sup>st</sup> channel of audio input)                  |                   |   |                 |
|                    | Network interface            | 1, 10M/100M/1000M self-adaptive Ethernet interface   |                   |   |                 |
|                    | Serial interface             | RS-485 (half-duplex)   |                   |   |                 |
|                    | Alarm in/out                 | 4/1  | 8/4               | 16/4  |                 |
|                    | USB interface                | 2 × USB 2.0  |                   |   |                 |
| General            | Power supply                 | 12 VDC   |                   |   |                 |
|                    | Consumption (without HDD)    | ≤ 15 W   | ≤ 30 W            | ≤ 45 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<br>(12.4 × 9.5 × 1.8 inch)   |                   | 380 × 290 × 48 mm<br>(15.0 × 11.4 × 1.9 inch) |                 |
|                    |                              | Weight (without HDD)   | ≤ 1.5 kg (3.3 lb) |   | ≤ 2 kg (4.4 lb) |

## Physical Interfaces



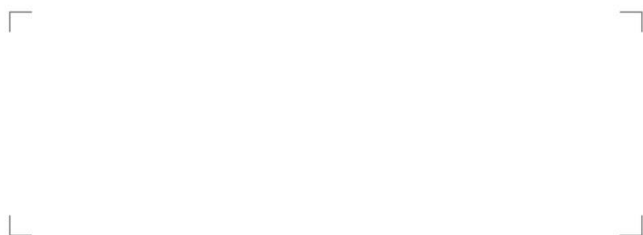
The rear panel of DS-7204/7216HQHI-SH provides 4/16 video input interfaces.

| 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     | 12 VDC Power Input      |
| 4     | VGA Interface            | 10    | Power Switch            |
| 5     | HDMI Interface           | 11    | GND                     |
| 6     | USB Interface            | 12    | ALARM IN and ALARM OUT  |

## Available Models

DS-7204HQHI-SH, DS-7208HQHI-SH, DS-7216HQHI-SH

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