

## DS-7200Hghi-F1 SERIES TURBO HD DVR



### Features and Functions

#### Video Input and Transmission

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

#### Compression and Recording

- One-key enable H.264+ compression to improve encoding efficiency by up to 50% and reduce data storage costs
- Supports real-time 1080p lite of all channels and when enabled, the image effect is similar with 1080p

#### Video Output

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

#### Storage and Playback

- One SATA interface (up to 6 TB capacity per HDD)
- 4/8/16-ch synchronous playback at up to 720p 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)
- 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

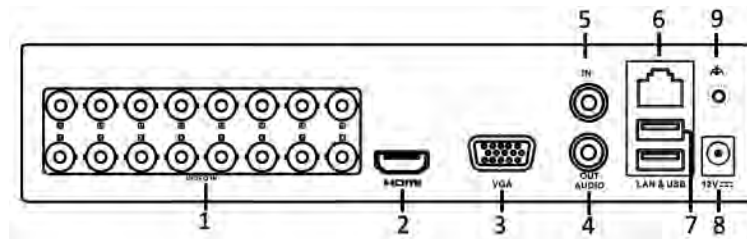
- Hik Cloud P2P & HiDDNS (Dynamic Domain Name System) for easy network management
- One self-adaptive 10/100Mbps network interface
- Output bandwidth limit configurable



## Specifications

| Model                           |                            | DS-7204HGHI-F1                                                                                                                                                                                                  | DS-7208HGHI-F1                                                      | DS-7216HGHI-F1    |
|---------------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|-------------------|
| 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                | 1080p25, 1080p30, 720p25, 720p30                                                                                                                                                                                |                                                                     |                   |
|                                 | AHD input                  | 720p25, 720p30                                                                                                                                                                                                  |                                                                     |                   |
|                                 | CVBS input                 | Support                                                                                                                                                                                                         |                                                                     |                   |
|                                 | IP video input             | 1-ch                                                                                                                                                                                                            | 2-ch                                                                |                   |
|                                 |                            | Up to 960p resolution                                                                                                                                                                                           | Up to 1080p resolution                                              |                   |
| Audio compression               | G.711u                     |                                                                                                                                                                                                                 |                                                                     |                   |
| Audio input/Two-way audio input | 1-ch, RCA (2.0 Vp-p, 1 KΩ) |                                                                                                                                                                                                                 |                                                                     |                   |
| Video/Audio output              | HDMI/VGA output            | 1-ch, 1920 × 1080/60Hz,1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz                                                                                                                                       |                                                                     |                   |
|                                 | Encoding resolution        | When 1080p Lite mode not enabled: 720p/WD1/4CIF/VGA/CIF<br>When 1080p Lite mode enabled: 1080p lite/720p/WD1/4CIF/VGA/CIF                                                                                       |                                                                     |                   |
|                                 | Frame rate                 | Main stream:<br>When 1080p Lite mode not enabled:<br>For 720p stream access: 720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N)<br>When 1080p Lite mode enabled:<br>1080p lite/720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N) |                                                                     |                   |
|                                 |                            | Sub-stream:<br>2CIF@6fps;<br>CIF/QVGA/QCIF@25fps (P)/30fps (N)                                                                                                                                                  | Sub-stream:<br>4CIF/2CIF@6fps;<br>CIF/QVGA/QCIF@25fps (P)/30fps (N) |                   |
|                                 | Video bit rate             | 32 Kbps to 4 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         | 32                                                                                                                                                                                                              | 128                                                                 |                   |
|                                 | Network protocols          | TCP/IP, PPPoE, DHCP, Hik Cloud P2P, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™, HTTPS                                                                                                                        |                                                                     |                   |
| 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                                                                                                                                                               |                                                                     |                   |
|                                 | USB interface              | Rear panel: 2 × USB 2.0                                                                                                                                                                                         |                                                                     |                   |
| General                         | Power supply               | 12 VDC                                                                                                                                                                                                          |                                                                     |                   |
|                                 | Consumption (without HDD)  | ≤ 8 W                                                                                                                                                                                                           | ≤ 12 W                                                              | ≤ 20 W            |
|                                 | Working temperature        | -10 ℃ to +55 ℃ (14 ℉ to 131 ℉)                                                                                                                                                                                  |                                                                     |                   |
|                                 | Working humidity           | 10% to 90%                                                                                                                                                                                                      |                                                                     |                   |
|                                 | Dimensions (W × D × H)     | 260 × 222 × 45 mm (10.2 × 8.7 × 1.8 inch)                                                                                                                                                                       |                                                                     |                   |
|                                 | Weight (without HDD)       | ≤ 1 kg (2.2 lb)                                                                                                                                                                                                 |                                                                     | ≤ 1.2 kg (2.6 lb) |

## Physical Interfaces



### NOTE

The rear panel of DS-7204/7208HGHI-F1 provides 4/8 video input interfaces.

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

## Available Models

DS-7204HGHI-F1, DS-7208HGHI-F1 and DS-7216HGHI-F1

Distributed by



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