

## DS-7324/7332HQHI-K4 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 for insertion of DVD-R/W with bracket to make it more convenient to install and maintain

#### Video Input and Transmission

- Self-adaptive HDTV/HDCVI/AHD/CVBS signal input
- Up to 6 MP IP cameras input
- Long distance transmission over UTP and coaxial cable

#### Compression and Recording

- H.265 Pro+/H.265 Pro/H.265/H.264+/H.264 encoding for the main stream, and H.265/H.264 for the sub-stream of analog cameras
- Connectable to H.265+/H.265/H.264+/H.264 IP cameras
- H.265+ can be enabled to improve encoding efficiency and reduce data storage costs
- Supports 4 MP lite
- Supports real-time 1080p lite. When 1080p lite is on, the image effect is similar with 1080p
- Supports POS triggered recording and POS information overlay

#### Video Output

- Simultaneous HDMI1 and VGA output at up to 1920 × 1080 resolution, and independent HDMI 2 output at up to 4K (3840 × 2160) resolution
- Separate CVBS output

#### Storage and Playback

- Four SATA interfaces (up to 10 TB capacity per HDD) and 1 eSATA interface
- 16-ch synchronous playback
- Smart search for efficient playback
- Supports playback by main stream, or sub-stream for IP cameras
- Supports third party cloud storage (Dropbox/Google Drive/Microsoft OneDrive)

#### Smart Function

- Supports multiple VCA (Video Content Analytics) events for both analog and smart IP cameras
- Supports 4-ch line crossing detection and intrusion detection, and 1-ch sudden scene change detection

#### Network & Ethernet Access

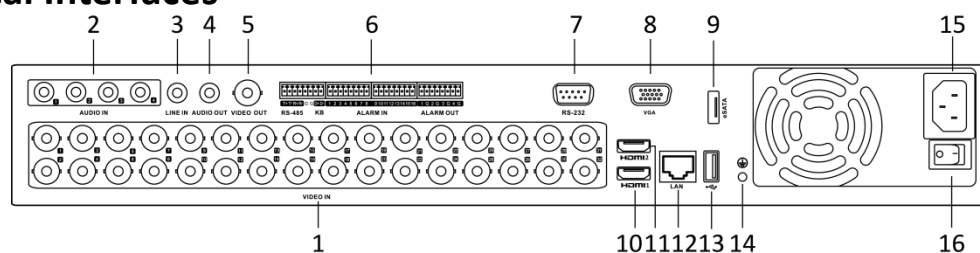
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- One RJ45 10M/100M/1000M Ethernet network interface
- Output bandwidth limit configurable



## Specifications

| Model              |                            | DS-7324HQHI-K4  | DS-7332HQHI-K4  |  |
|--------------------|----------------------------|---|---|--|
| Video/Audio input  | Video compression          | H.265 Pro+/H.265 Pro/H.265/H.264+/H.264   |   |  |
|                    | Analog video input         | 24-ch   | 32-ch   |  |
|                    |                            | BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection   |   |  |
|                    | HDTVI input                | 4 MP, 3 MP, 1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60<br><b>Note:</b> The 3 MP signal input is only available for channel 1/2/3/4.   |   |  |
|                    | AHD input                  | 4 MP, 1080p25, 1080p30, 720p25, 720p30  |   |  |
|                    | HDCVI input                | 1080p25, 1080p30, 720p25, 720p30  |   |  |
|                    | CVBS input                 | PAL/NTSC  |   |  |
|                    | IP video input             | 8-ch (up to 32-ch)  | 8-ch (up to 40-ch)  |  |
|                    |                            | Up to 6 MP resolution   |   |  |
|                    |                            | Supports H.265+/H.265/H.264+/H.264 IP cameras   |   |  |
| Audio compression  | G.711u                     |   |   |  |
| Audio input        | 4-ch, RCA (2.0 Vp-p, 1 KΩ) |   |   |  |
| Video/Audio output | CVBS output                | 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480   |   |  |
|                    | HDMI1/VGA output           | 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz  |   |  |
|                    | HDMI2 output               | 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz  |   |  |
|                    | Encoding resolution        | When 1080p Lite mode is not enabled:<br>4 MP lite/3 MP/1080p/1080p lite/720p/WD1/4CIF/VGA/CIF   |   |  |
|                    |                            | When 1080p Lite mode is enabled:<br>4 MP lite/3 MP/1080p lite/720p/720p lite/WD1/4CIF/VGA/CIF   |   |  |
|                    | Frame rate                 | Main stream:<br>When 1080p Lite mode is not enabled:<br>For 4 MP stream access: 4 MP lite@15fps; 1080p lite/720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N)<br>For 3 MP stream access: 3 MP/1080p/720p/WD1/4CIF/VGA/CIF@15fps<br>For 1080p stream access: 1080p/720p@15fps; 720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N)<br>For 720p stream access: 720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N)<br>When 1080p Lite mode is enabled:<br>For 4 MP stream access: 4 MP lite@15fps; 1080p lite/720p lite/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N)<br>For 3 MP stream access: 3 MP/1080p lite/720p lite/WD1/4CIF/VGA/CIF@15fps<br>For 1080p stream access: 1080p lite/720p lite/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N)<br>For 720p stream access: 720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N) |   |  |
|                    |                            | Sub-stream:<br>WD1/4CIF@12fps; CIF@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       | 16-ch   |   |  |
|                    | Network management         | Remote connections  | 128   |  |
|                    |                            | Network protocols   | TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF |  |
|                    | Hard disk                  | SATA  | 4 SATA interfaces   |  |
| eSATA              |                            | Support   |   |  |
| Capacity           |                            | Up to 10 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<br>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)  | ≤ 45 W  |   |  |
|                    | Working temperature        | -10 °C to +55 °C (+14 °F to +131 °F)  |   |  |
|                    | Working humidity           | 10% to 90%  |   |  |
|                    | Dimensions (W × D × H)     | 440 × 390 × 70 mm (17.3 × 15.4 × 2.8 inch)  |   |  |
|                    | Weight (without HDD)       | ≤ 7 kg (15.4 lb)  |   |  |

## Physical Interfaces



### NOTE

The rear panel of DS-7324HQHI-K4 provides 24 video input interfaces.

| Index | Description   | Index | Description                |
|-------|---|-------|----------------------------|
| 1     | VIDEO IN  | 9     | eSATA Interface            |
| 2     | AUDIO IN, RCA Connector   | 10    | HDMI1 Interface            |
| 3     | LINE IN   | 11    | HDMI2 Interface            |
| 4     | AUDIO OUT   | 12    | LAN Network Interface      |
| 5     | VIDEO OUT   | 13    | USB Interface              |
| 6     | RS-485 Serial Interface, Keyboard Interface, ALARM IN and ALARM OUT | 14    | GND                        |
| 7     | RS-232 Serial Interface   | 15    | 100 to 240 VAC Power Input |
| 8     | VGA Interface   | 16    | Power Switch               |

## Available Models

DS-7324HQHI-K4, DS-7332HQHI-K4

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