

## DS-7224/7232HQHI-K2 SERIES TURBO HD DVR



### Features and Functions

#### Video Input and Transmission

- Self-adaptive HDTV/HD/SD/TV signal input
- Up to 2-ch 4 MP IP cameras input
- Long distance transmission over UTP and coaxial cable: max. 800m for 1080p and 1200m for 720p HDTV signal

#### Compression and Recording

- H.265+/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
- Full channel recording at up to 4 MP lite resolution
- Supports real-time 1080p lite and when enabled, the image effect is similar with 1080p

#### Video Output

- Simultaneous HDMI/VGA output
- HDMI output at up to 4K (3840 × 2160) resolution
- Separate CVBS output

#### Storage and Playback

- 2 SATA interfaces (up to 8 TB capacity per HDD)
- 16-ch synchronous playback
- Smart search for efficient playback
- Supports the 3<sup>rd</sup> 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 up to 4-ch line crossing detection and intrusion detection, and 1-ch sudden scene change detection
- VQD (Video Quality Diagnostics)
- Supports PTZ control via Omnicast VMS of Genetec protocol

#### Network & Ethernet Access

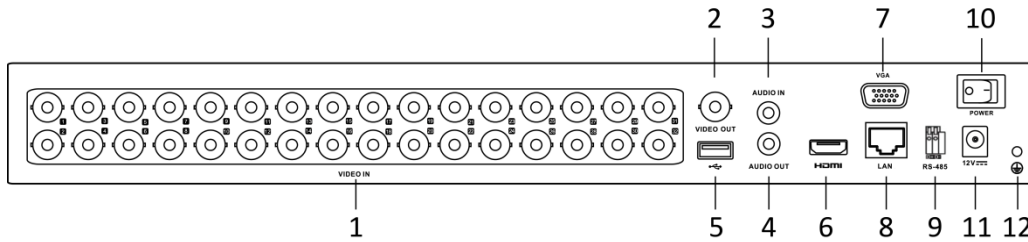
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- 1 RJ45 10M/100M/1000M Ethernet network interface
- Output bandwidth limit configurable



## Specifications

| Model              |                           | DS-7224HQHI-K2   | DS-7232HQHI-K2  |  |
|--------------------|---------------------------|--|---|--|
| Video/Audio input  | Video compression         | H.265+/H.265/H.264+/H.264  |   |  |
|                    | Analog video input        | 24-ch<br>BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection   | 32-ch   |  |
|                    | HDTVI input               | 4 MP, 3 MP, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25<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            | 2-ch   |   |  |
|                    |                           | Up to 4 MP resolution<br>Supports H.265+/H.265/H.264+/H.264 IP cameras   |   |  |
|                    | Audio compression         | G.711u   |   |  |
|                    | Audio input               | 1-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  |   |  |
|                    | HDMI/VGA output           | <b>VGA:</b> 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  |   |  |
|                    | Encoding resolution       | When 1080p Lite mode not enabled: 4 MP lite/3 MP/1080p/720p/VGA/WD1/4CIF/CIF;<br>When 1080p Lite mode enabled: 4 MP lite/3 MP/1080p lite/720p lite/VGA/WD1/4CIF/CIF  |   |  |
|                    | Frame rate                | Main stream:<br>When 1080p Lite mode 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/VGA/WD1/4CIF/CIF@15fps<br>For 1080p stream access: 1080p/720p@15fps; 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>4 MP lite/3 MP@15fps; 1080p lite/720p lite/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) |   |  |
|                    |                           | Sub-stream:<br>WD1/4CIF@12fps; CIF@25fps (P)/30fps (N)   |   |  |
|                    |                           | Video bit rate<br>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   | 2 SATA interfaces   |  |
| Capacity           |                           | Up to 8 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> audio input)   |   |  |
|                    | Network interface         | 1, RJ45 10M/100M/1000M self-adaptive Ethernet interface  |   |  |
|                    | USB interface             | Front panel: 1 × USB 2.0<br>Rear panel: 1 × USB 3.0  |   |  |
|                    | Serial interface          | RS-485 (half-duplex)   |   |  |
| General            | Power supply              | 12 VDC   |   |  |
|                    | Consumption (without HDD) | ≤ 55 W   | ≤ 65 W  |  |
|                    | 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 (4.4 lb)  |   |  |

## Physical Interfaces



**NOTE** The rear panel of DS-7224HQHI-K2 provides 24 video input interfaces.

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

## Available Models

DS-7224HQHI-K2, DS-7232HQHI-K2

Distributed by

**HIKTEHRAN**  
 نماینده مجاز فروش محصولات هایک ویژن  
 HIKVISIONTEHRAN.COM

## 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 Australia**  
 T +61-2-8599-4233  
 salesau@hikvision.com

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

**Hikvision Canada**  
 T +1-866-200-6690  
 sales.canada@hikvision.com

**Hikvision Thailand**  
 T +662-275-9949  
 sales.thailand@hikvision.com

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

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

**Hikvision Brazil**  
 T +55 11 3318-0050  
 Latam.support@hikvision.com

**Hikvision Turkey**  
 T +90 (216)521 7070- 7074  
 sales.tr@hikvision.com

**Hikvision Malaysia**  
 T +601-7652-2413  
 sales.my@hikvision.com

**Hikvision UK & Ireland**  
 T +01628-902140  
 sales.uk@hikvision.com

**Hikvision South Africa**  
 Tel: +27 (10) 0351172  
 sale.africa@hikvision.com

**Hikvision France**  
 T +33(0)1-85-330-450  
 info.fr@hikvision.com

**Hikvision Kazakhstan**  
 T +7-727-9730667  
 nikia.panfilov@hikvision.ru

**Hikvision Vietnam**  
 T +84-974270888  
 sales.vt@hikvision.com

**Hikvision UAE**  
 T +971-4-4432090  
 salesme@hikvision.com

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

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

**Hikvision Tashkent**  
 T +99-87-1238-9438  
 uzb@hikvision.ru

**Hikvision Hong Kong**  
 T +852-2151-1761  
 info.hk@hikvision.com

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

**Hikvision Korea**  
 T +82-(0)31-731-8817  
 sales.korea@hikvision.com

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

**Hikvision Indonesia**  
 T +62-21-2933759  
 Sales.Indonesia@hikvision.com

**Hikvision Colombia**  
 sales.colombia@hikvision.com