

## iDS-7232HQHI-M2/S TURBO HD DVR

### Key Features

- Deep learning-based motion detection 2.0 for all analog channels
- Deep learning-based perimeter protection
- H.265 Pro+/H.265 Pro/H.265 video compression
- HDTVI/AHD/CVI/TVBS/IP video input
- Audio via coaxial cable
- Up to 40-ch IP camera inputs
- Up to 10 TB capacity per HDD



### Compression and Recording

- H.265 Pro+ can be enabled to improve encoding efficiency and reduce data storage costs
- Full channel recording at up to 4 MP lite resolution

### Storage and Playback

- 2 SATA interfaces
- Smart search for efficient playback

### Smart Function

- Support multiple VCA (Video Content Analytics) events for both analog and smart IP cameras
- Support 4-ch line crossing detection and intrusion detection

### Network & Ethernet Access

- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- Max. 96 Mbps incoming bandwidth and output bandwidth limit configurable

## ▪ Specification

| Motion Detection 2.0         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Human/Vehicle Analysis       | <p>Deep learning-based motion detection 2.0 is enabled by default for all analog channels, it can classify human and vehicle, and extremely reduce false alarms caused by objects like leaves and lights;</p> <p>Quick search by object or event type is supported;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Perimeter Protection         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Human/Vehicle Analysis       | Up to 4-ch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Facial Detection             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Facial Detection and Capture | Face picture detection, face picture search                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Recording                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Video Compression            | H.265 Pro+/H.265 Pro/H.265/H.264+/H.264                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Encoding Resolution          | <p>When 1080p Lite mode is not enabled:</p> <p>3K lite/5 MP lite/4 MP lite/1080p/720p/VGA/WD1/4CIF/CIF;</p> <p>When 1080p Lite mode is enabled:</p> <p>3K lite/5 MP lite/4 MP lite/1080p lite/720p lite/VGA/WD1/4CIF/CIF</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Frame Rate                   | <p>Main stream:</p> <p>When 1080p Lite mode not enabled:</p> <p>For 3K stream access: 3K lite@12fps;4 MP lite/1080p@15fps;720p/WD1/4CIF/VGA/CIF@20fps</p> <p>For 5 MP stream access: 5 MP lite@12fps;4 MP lite/1080p@15fps;720p/WD1/4CIF/VGA/CIF@20fps</p> <p>For 4 MP stream access: 4 MP lite/1080p@15fps;720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N)</p> <p>For 1080p stream access: 1080p/720p@15fps; VGA/WD1/4CIF/CIF@25fps (P)/30fps (N)</p> <p>For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N)</p> <p>When 1080p Lite mode enabled:</p> <p>3K lite/5 MP lite@12fps;4 MP lite@15fps;1080p lite/720p lite/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N)</p> <p>Sub-stream:</p> <p>WD1/4CIF@12fps; CIF@25fps (P)/30fps (N)</p> |
| Video Bitrate                | 32 Kbps to 10 Mbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Dual-stream                  | Support                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

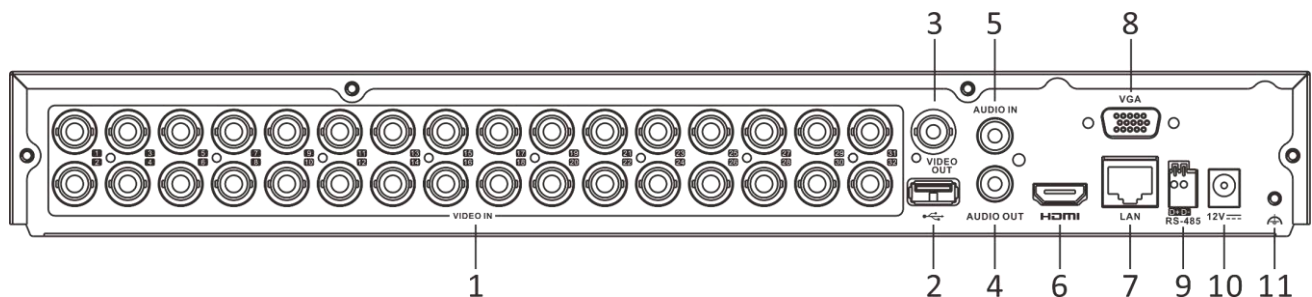
|                        |                                                                                                                                                                    |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Stream Type            | Video, Video & Audio                                                                                                                                               |
| Audio Compression      | G.711u                                                                                                                                                             |
| Audio Bitrate          | 64 Kbps                                                                                                                                                            |
| <b>Video and Audio</b> |                                                                                                                                                                    |
| IP Video Input         | 2-ch (up to 34-ch)<br><br>Enhanced IP mode on:<br>8-ch (up to 40-ch), each up to 4 Mbps,<br>Up to 6 MP resolution,<br>Support H.265+/H.265/H.264+/H.264 IP cameras |
| Analog Video Input     | 32-ch<br>BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection                                                                                           |
| HDTVI Input            | 3K@20 fps, 5 MP@20 fps, 4 MP@30 fps, 4 MP@25 fps, 1080p@30 fps, 1080p@25 fps, 720p@30 fps, 720p@25 fps                                                             |
| AHD Input              | 5 MP@20 fps, 4 MP@30 fps, 4 MP@25 fps, 1080p@30 fps, 1080p@25 fps, 720p@30 fps, 720p@25 fps                                                                        |
| HDCVI Input            | 5 MP@20 fps, 4 MP@30 fps, 4 MP@25 fps, 1080p@30 fps, 1080p@25 fps, 720p@30 fps, 720p@25 fps                                                                        |
| CVBS Input             | PAL/NTSC                                                                                                                                                           |
| CVBS Output            | 1-ch, BNC (1.0 Vp-p, 75 Ω),<br>resolution: PAL: 704 × 576, NTSC: 704 × 480                                                                                         |
| HDMI Output            | 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz                                                            |
| VGA Output             | 1-ch, 1920 × 1080/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz<br>HDMI/VGA simultaneous output                                                                       |
| Audio Input            | 1-ch, RCA (2.0 Vp-p, 1 KΩ) , 32-ch via coaxial cable                                                                                                               |
| Audio Output           | 1-ch, RCA (Linear, 1 KΩ)                                                                                                                                           |
| Two-Way Audio          | 1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the first audio input)                                                                                                           |
| Synchronous playback   | 16-ch                                                                                                                                                              |
| <b>Network</b>         |                                                                                                                                                                    |
| Remote Connection      | 128                                                                                                                                                                |
| Total Bandwidth        | 128 Mbps                                                                                                                                                           |
| Network Protocol       | TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF                                                                            |

|                            |                                                                          |
|----------------------------|--------------------------------------------------------------------------|
| Network Interface          | 1,RJ45 10/100/1000 Mbps self-adaptive Ethernet interface                 |
| Wi-Fi                      | Wi-Fi Connectable to Wi-Fi network by Wi-Fi dongle through USB interface |
| <b>Auxiliary Interface</b> |                                                                          |
| SATA                       | 2 SATA interfaces                                                        |
| Capacity                   | Up to 10 TB capacity for each disk                                       |
| Serial Interface           | RS-485 (half-duplex)                                                     |
| USB Interface              | Front panel: 1 × USB 2.0<br>Rear panel: 1 × USB 3.0                      |
| Alarm In/Out               | N/A (optional to support)                                                |
| <b>General</b>             |                                                                          |
| Power Supply               | 12 VDC, 5 A                                                              |
| Consumption                | ≤ 40 W                                                                   |
| Working Temperature        | -10 °C to +55 °C (+14 °F to +131 °F)                                     |
| Working Humidity           | 10% to 90%                                                               |
| Dimension (W × D × H)      | 380 × 320 × 48 mm (15.0" × 12.6" × 1.9")                                 |
| Weight                     | ≤ 2.1 kg (4.6 lb)                                                        |

**Note:**

- 1: Motion detection 2.0 and perimeter protection cannot be enabled at the same time. Enable one function will make the other one unavailable.
- 2: Enhanced IP mode might be conflicted with smart events (perimeter protection) or other functions, please refer to the user manual for details.

## Physical Interface



| No. | Description                | No. | Description           |
|-----|----------------------------|-----|-----------------------|
| 1   | Video and Coaxial Audio In | 7   | LAN Network Interface |
| 2   | USB Interface              | 8   | VGA Interface         |
| 3   | VIDEO OUT                  | 9   | RS-485 Interface      |
| 4   | AUDIO OUT, RCA Connector   | 10  | Power Input           |
| 5   | AUDIO IN, RCA Connector    | 11  | GND                   |
| 6   | HDMI Interface             |     |                       |

## Available Model

iDS-7232HQHI-M2/S

### Headquarters

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



Follow us on social media to get the latest product and solution information.

