# HIKVISION®

## iDS-7204HQHI-M1/E
## TURBO ACUSENSE DVR

## Key Feature

- Deep learning based human and vehicle targets classification of Motion Detection 2.0
- Deep learning-based perimeter protection
- H.265 Pro+/H.265 Pro/H.265 video compression
- HDTVI/AHD/CVI/CVBS/IP video inputs
- Audio via coaxial cable
- Up to 6-ch IP camera inputs (up to 6 MP)
- Up to 1080p@15 fps encoding capability

## Smart Function

- Deep learning based human and vehicle targets classification of Motion Detection 2.0
- Deep learning based perimeter protection

## Compression and Recording

- H.265 Pro+ can be enabled to improve encoding efficiency and reduce data storage costs
- Recording at up to 4 MP Lite resolution

## Storage and Playback

- 1 SATA interface (up to 10 TB capacity)
- Smart search for efficient playback

## Network & Ethernet Access

- Compatible with major Wi-Fi dongle products in the market
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management

## ▪ Specification

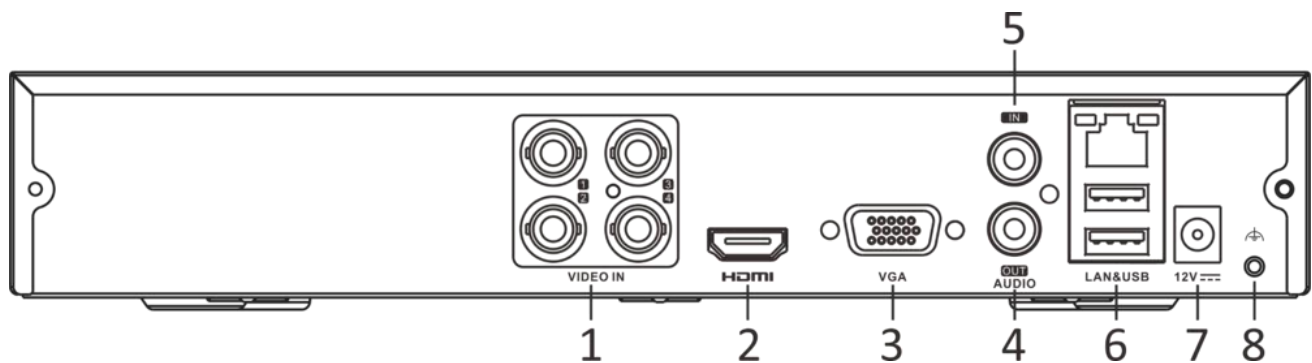| Motion Detection 2.0 | |
|---|---|
| Human/Vehicle Analysis | Deep learning-based motion detection 2.0 is enabled by default for all analog channels, it can classify human and vehicle, and extremely reduce false alarms caused by objects like leaves and lights; Quick search by object or event type is supported; |
| **Perimeter Protection** | |
| Human/Vehicle Analysis | Up to 2-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 | When 1080p Lite mode is not enabled: 3K lite/5 MP lite/4 MP lite/1080p/720p/VGA/WD1/4CIF/CIF; When 1080p Lite mode is enabled: 3K lite/5 MP lite/4 MP lite/1080p lite/720p lite/VGA/WD1/4CIF/CIF |
| Frame Rate | Main stream: When 1080p Lite mode not enabled: For 3K stream access: 3K lite@12fps;4 MP lite/1080p@15fps;720p/WD1/4CIF/VGA/CIF@20fps For 5 MP stream access: 5 MP lite@12fps;4 MP lite/1080p@15fps;720p/WD1/4CIF/VGA/CIF@20fps For 4 MP stream access: 4 MP lite/1080p@15fps;720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N) For 1080p stream access: 1080p/720p@15fps; VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) When 1080p Lite mode enabled: 3K lite/5 MP lite@12fps;4 MP lite@15fps;1080p lite/720p lite/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) Sub-stream: WD1/4CIF@12fps; CIF@25fps (P)/30fps (N) |
| Video Bitrate | 32 Kbps to 6 Mbps |
| Dual-stream | Support |

| Stream Type | Video, Video & Audio |
| --- | --- |
| Audio Compression | G.711u |
| Audio Bitrate | 64 Kbps |
| **Video and Audio** | |
| IP Video Input | 1-ch (up to 5-ch)<br><br>Enhanced IP mode on:<br>2-ch (up to 6-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 | 4-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 | Support |
| HDMI Output | 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz |
| VGA Output | 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz |
| Video Output Mode | HDMI/VGA simultaneous output |
| Audio Input | 1-ch, RCA (2.0 Vp-p, 1 KΩ)<br>4-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 | 4-ch |
| **Network** | |
| Total Bandwidth | 72 Mbps |
| Remote Connection | 32 |
| Network Protocol | TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF |
| Network Interface | 1, RJ45 10/100 Mbps self-adaptive Ethernet interface |
| Wi-Fi | Connectable to Wi-Fi network by Wi-Fi dongle through USB interface |

| Auxiliary Interface | |
|---|---|
| SATA | 1 SATA interface |
| Capacity | Up to 10 TB capacity for each disk |
| Alarm In/Out | N/A |
| USB Interface | Real panel: 2 × USB 2.0 |
| **General** | |
| Power Supply | 12 VDC, 1.5 A |
| Consumption | ≤ 8 W (without HDD) |
| Working Temperature | -10 °C to +55 °C (+14 °F to +131 °F) |
| Working Humidity | 10% to 90% |
| Dimension (W × D × H) | 265 × 225 × 48 mm (10.4 × 8.9 × 1.9 inch) |
| Weight | ≤ 1 kg (without HDD, 2.2 lb.) |

*Note:*

● Motion detection 2.0 and perimeter protection cannot be enabled at the same time. Enable one function will make the other one unavailable.

● Enhanced IP mode might be conflicted with smart events (motion detection 2.0 and 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 | 5 | AUDIO IN, RCA connector |
| 2 | HDMI interface | 6 | LAN network interface and USB interface |
| 3 | VGA interface | 7 | 12 VDC power input |
| 4 | AUDIO OUT, RCA connector | 8 | GND |

## Available Model

iDS-7204HQHI-M1/E

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