

## iDS-7108HQHI-M1/S



- 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
- HDTV/1/AHD/CVI/CVBS/IP video input
- Audio via coaxial cable
- Up to 12-ch IP camera input (up to 6 MP)
- Encoding ability up to 1080P @ 15 fps



## ▪ Function

### Targets classification

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

### Compression and Recording

- H.265 Pro+ video compression improves encoding efficiency, and reduces data storage costs
- Support 1080P @ 15 fps encoding

### Storage and Playback

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

### Network & Ethernet Access

- 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;<br>Quick search by object or event type is supported; |
| Perimeter Protection   |                                                                                                                                                                                                                                                              |
| Human/Vehicle Analysis | Up to 4-ch                                                                                                                                                                                                                                                   |
| Recording              |                                                                                                                                                                                                                                                              |
| Video Compression      | H.265 Pro+/H.265 Pro/H.265/H.264+/H.264                                                                                                                                                                                                                      |
| Encoding Resolution    | When 1080p Lite mode is not enabled:<br>4 MP lite/3 MP/1080p/720p/VGA/WD1/4CIF/CIF;<br>When 1080p Lite mode is enabled:<br>4 MP lite/1080p lite/720p lite/VGA/WD1/4CIF/CIF                                                                                   |

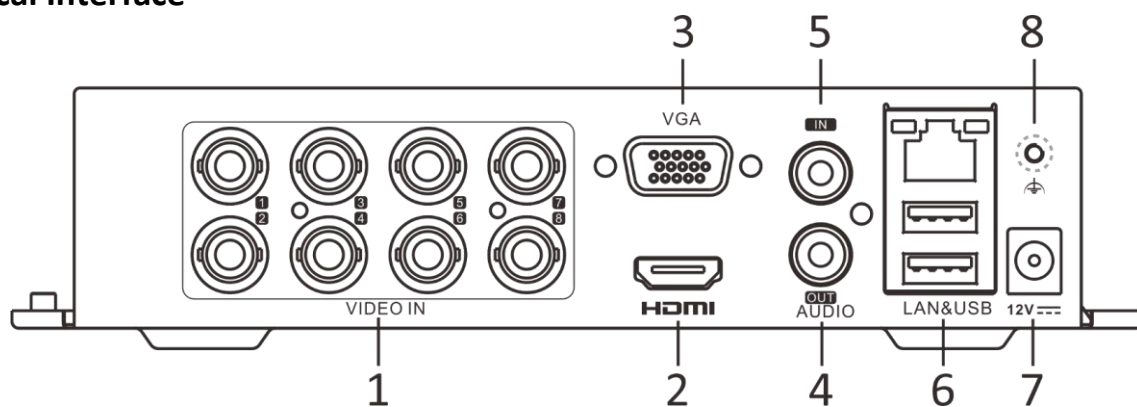
|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Frame Rate             | <p>Main stream:</p> <p>When 1080p Lite mode is not enabled:</p> <p>For 4 MP stream access:</p> <p>4 MP lite@15fps; 1080p lite/720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N)</p> <p>For 3 MP stream access: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF@15fps</p> <p>For 1080p stream access:</p> <p>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 is enabled:</p> <p>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 6 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         | <p>2-ch (up to 10-ch)</p> <p>Enhanced IP mode on:</p> <p>4-ch (up to 12-ch), each up to 4 Mbps</p> <p>Up to 6 MP resolution</p> <p>Support H.265+/H.265/H.264+/H.264 IP cameras</p>                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Analog Video Input     | <p>8-ch</p> <p>BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| HDTVI Input            | <p>4 MP, 3 MP, 1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60</p> <p>*: The 3 MP signal input is only available for channel 1 of DS-7104HQHI-K1.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| AHD Input              | 4 MP, 1080p25, 1080p30, 720p25, 720p30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| HDCVI Input            | 4 MP, 1080p25, 1080p30, 720p25, 720p30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| CVBS Input             | Support                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| VGA Output             | 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| HDMI Output            | 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Audio Input            | <p>1-ch, RCA (2.0 Vp-p, 1 KΩ)</p> <p>8-ch via coaxial cable</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 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   | 8-ch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Video Output Mode      | HDMI/VGA simultaneous output                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

| Network               |                                                                                         |
|-----------------------|-----------------------------------------------------------------------------------------|
| Total Bandwidth       | 96 Mbps                                                                                 |
| Remote Connection     | 64                                                                                      |
| Network Protocol      | TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF |
| Network Interface     | 1, RJ45 10M/100M 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, 1.33 A                                                                          |
| Consumption           | ≤ 12 W                                                                                  |
| Working Temperature   | -10 °C to +55 °C (+14 °F to +131 °F)                                                    |
| Working Humidity      | 10% to 90%                                                                              |
| Dimension (W × D × H) | 200 × 200 × 45 mm (7.9 × 7.9 × 1.8 inch)                                                |
| Weight                | ≤ 1 kg (2.2 lb)                                                                         |

## ▪ Available Model

iDS-7108HQHI-M1/S(标配)(C)(样机), iDS-7108HQHI-M1/S(中性)(C)(样机),

## ▪ 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                                     |



Distributed by



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