

**iDS-7216HQHI-M1/XT****16-ch 1080P 1U H.265 AcuSense DVR****Key Feature**

- 16 channels and 1 HDD 1U AcuSense DVR
- Support 4-ch Facial Recognition or 8-ch advanced model Perimeter Protection based on Deep Learning algorithm
- Support 8-ch AcuSearch Technology
- Efficient H.265 pro+ compression technology
- Encoding ability up to 3K/5MP Lite@12fps
- Up to 24-ch IP camera inputs, each channel up to 6MP
- Up to 24\*1080P@30fps decoding ability
- 5 signals input adaptively (HDTVI/AHD/CVI/CVBS/IP)
- Support All channels Motion Detection Technology
- Support All channels HDTVI Two-Way Audio Technology

**Compression and Recording**

- H.265 Pro+ can be enabled to improve encoding efficiency and reduce data storage costs
- Recording at up to 3K / 5 MP Lite resolution

**Smart Function**

- Up to 16 channels (analog channel) Motion Detection 2.0
- Up to 8 channels (advanced model, analog channel) Perimeter Protection
- Up to 4 channels (advanced model, analog channel) human face recognition
- Support smart playback to enhance playback efficiency

**Network & Ethernet Access**

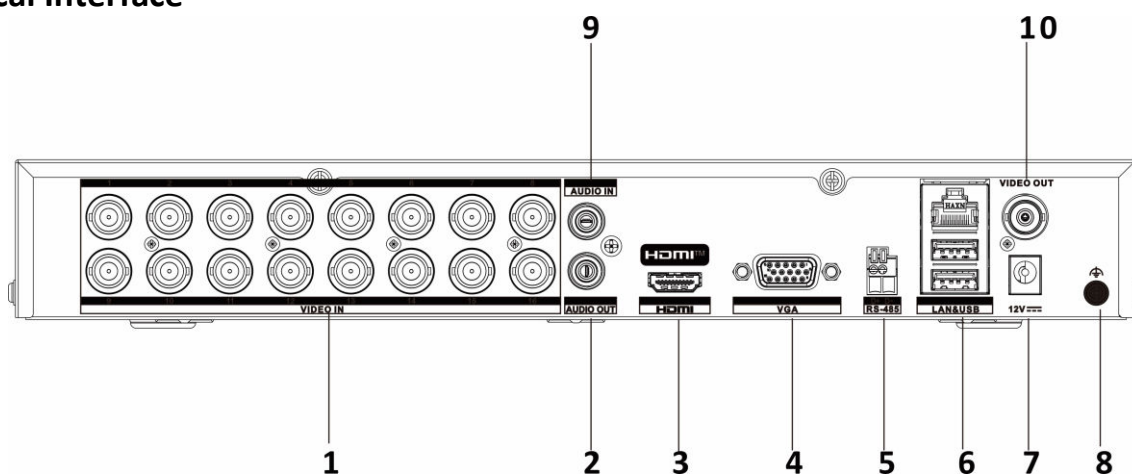
- Support Hik-Connect & DDNS (Dynamic Domain Name System)
- Output bandwidth limit configurable

## ▪ Specification

| Facial Recognition           |  |
|------------------------------|--|
| Face Picture Comparison      | Face picture comparison, face picture search (4-ch face picture comparison alarm for HD analog camera)   |
| Face Picture Library         | Up to 16 face picture libraries;;<br>HDD damage will not cause data loss in the face picture library, because the library has been backed up by HDD and flash.   |
| 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 8-ch (advanced model)  |
| Facial Detection             |  |
| Facial Detection and Capture | Face picture detection, face picture search ;<br>4-ch face picture capture   |
| Video and Audio              |  |
| IP Video Input               | 8-ch (up to 24-ch), Up to 6 MP resolution  |
| Analog Video Input           | 16-ch<br>BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection   |
| HDTVI Input                  | 3K(2960 × 1665)@25/20 fps, 3K(3328×1504)@20fps, 5 MP(2560 × 1944)@20 fps, 4 MP(2560 × 1440)@25/30 fps, 1080P@25/30 fps, 720P@25/30fps  |
| AHD Input                    | 5 MP(2560 × 1944)@20 fps, 4 MP(2560 × 1440)@25/30 fps, 1080P@25/30 fps, 720P@25/30fps  |
| HDCVI Input                  | 3K(2880×1620)@25fps, 5MP(2592 × 1944)@20 fps, 4MP(2560 × 1440)@25/30 fps, 1080P@25/30 fps, 720P@25/30fps   |
| 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,<br>HDMI/VGA simultaneous output   |
| VGA Output                   | 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz,<br>HDMI/VGA simultaneous output   |
| Audio Input                  | 1-ch (up to 16-ch is optional), RCA (2.0 Vp-p, 1 KΩ)<br>16-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  |
| 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:<br/>3K lite/5 MP lite/4 MP lite/1080p/720p/VGA/WD1/4CIF/CIF;</p> <p>When 1080p Lite mode is enabled:<br/>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@15fps/1080pLite@20fps;720p/WD1/4CIF/VGA/CIF@20fps</p> <p>For 5 MP stream access: 5 MP lite@12fps;4 MP lite@15fps/1080pLite@20fps;720p/WD1/4CIF/VGA/CIF@20fps</p> <p>For 4 MP stream access: 4 MP lite@15fps/1080pLite@25fps (P)/30fps (N) ;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 6 Mbps  |
| Dual-stream                | Support main stream or sub stream  |
| Stream Type                | Video, Video & Audio   |
| Audio Compression          | G.711u   |
| Audio Bitrate              | 64 Kbps  |
| <b>Decoding</b>            |  |
| Decoding Capability        | up to 24-ch 1080P@30fps  |
| <b>Network</b>             |  |
| Remote Connection          | 128  |
| Total Bandwidth            | 256 Mbps   |
| Network Protocol           | TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF, ISUP  |
| Network Interface          | 1, RJ45 10/100/1000 Mbps self-adaptive Ethernet interface  |
| <b>Auxiliary Interface</b> |  |
| SATA                       | 1 SATA interface, up to 12 TB capacity for each disk   |
| Serial Interface           | RS-485 (half-duplex)   |
| USB Interface              | Front panel: 1 × USB 2.0;<br>Rear panel: 2 × USB 3.0   |
| Alarm In/Out               | N/A (optional to support)  |
| <b>General</b>             |  |
| Power Supply               | 12 VDC, 2 A  |
| Consumption                | ≤ 24 W   |
| Working Temperature        | -10 °C to 55 °C (14 °F to 131 °F)  |
| Working Humidity           | 10% to 90%   |
| Dimension (W × D × H)      | 319 × 240 × 48 mm (12.6 × 9.4 × 1.9 inch)  |
| Weight                     | ≤ 2 kg (4.4 lb)  |

## ▪ Physical Interface

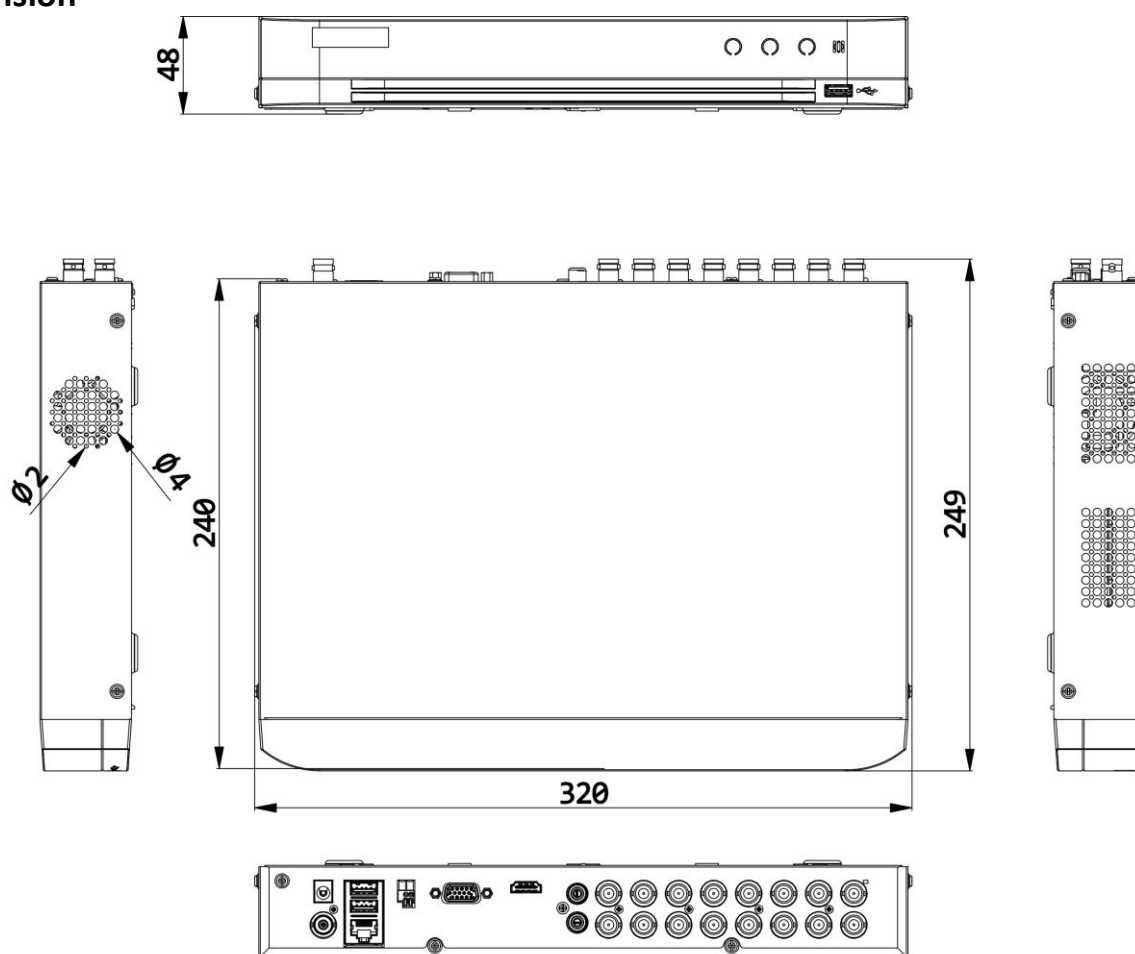


| No. | Description      | No. | Description                             |
|-----|------------------|-----|---|
| 1   | Video in         | 6   | LAN network interface and USB interface |
| 2   | Audio out        | 7   | 12 VDC power input                      |
| 3   | HDMI interface   | 8   | GND                                     |
| 4   | VGA interface    | 9   | Audio in                                |
| 5   | RS-485 interface | 10  | Video out                               |

## ▪ Available Model

iDS-7216HQHI-M1/XT

▪ Dimension



scale/1:1;Unit/mm

# See Far, Go Further



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