

## iDS-7316HQHI-M4/S 16-ch 1080P 1.5U H.265 AcuSense DVR

### Key Feature

- Deep learning-based perimeter protection
- Deep learning-based motion detection 2.0 for all analog channels
- Up to 24-ch IP camera inputs and 4 SATA interfaces
- H.265 Pro+/H.265 Pro/H.265/H.264+/H.264 video compression
- Encoding ability up to 3K/5MP Lite@12fps
- HDTVI/AHD/CVI/CVBS/IP video inputs
- POS triggered recording and POS information overlay



### Compression and Recording

- H.265 Pro+ video compression improves encoding efficiency, and reduces data storage costs
- Full channel recording at up to 4 MP Lite resolution

### Storage and Playback

- 4 SATA interfaces and 1 eSATA interface
- Smart search for efficient playback

### Network & Ethernet Access

- 2 self-adaptive 10/100/1000 Mbps Ethernet interfaces
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- 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, for channel 1/2/3/4 only
Video and Audio	
IP Video Input	<p>8-ch (up to 24-ch)</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>16-ch</p> <p>BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection</p>
HDTVI Input	3K(2960 x 1665)@20 fps, 5 MP(2560 × 1944)@20 fps, 4 MP(2560 × 1440)@30 fps, 4 MP(2560 × 1440)@25 fps, 1080p@30 fps, 1080p@25 fps, 720p@30 fps, 720p@25 fps
AHD Input	4 MP, 1080p25, 1080p30, 720p25, 720p30
HDCVI Input	1080p25, 1080p30, 720p25, 720p30
CVBS Input	PAL/NTSC
CVBS Output	1-ch, BNC (1.0 Vp-p, 75 Ω), 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, 1024 × 768/60Hz
VGA Output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Video Output Mode	HDMI/VGA simultaneous output
Audio Input	4-ch, RCA (2.0 Vp-p, 1 KΩ)
Audio Output	2-ch, RCA (Linear, 1 KΩ)
Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1 KΩ, independent)
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:</p> <p>3K lite/4 MP Lite/1080p/720p/VGA/WD1/4CIF/CIF;</p> <p>When 1080p Lite mode is enabled:</p> <p>3K lite/4 MP Lite/1080p Lite/720p Lite/VGA/WD1/4CIF/CIF</p>

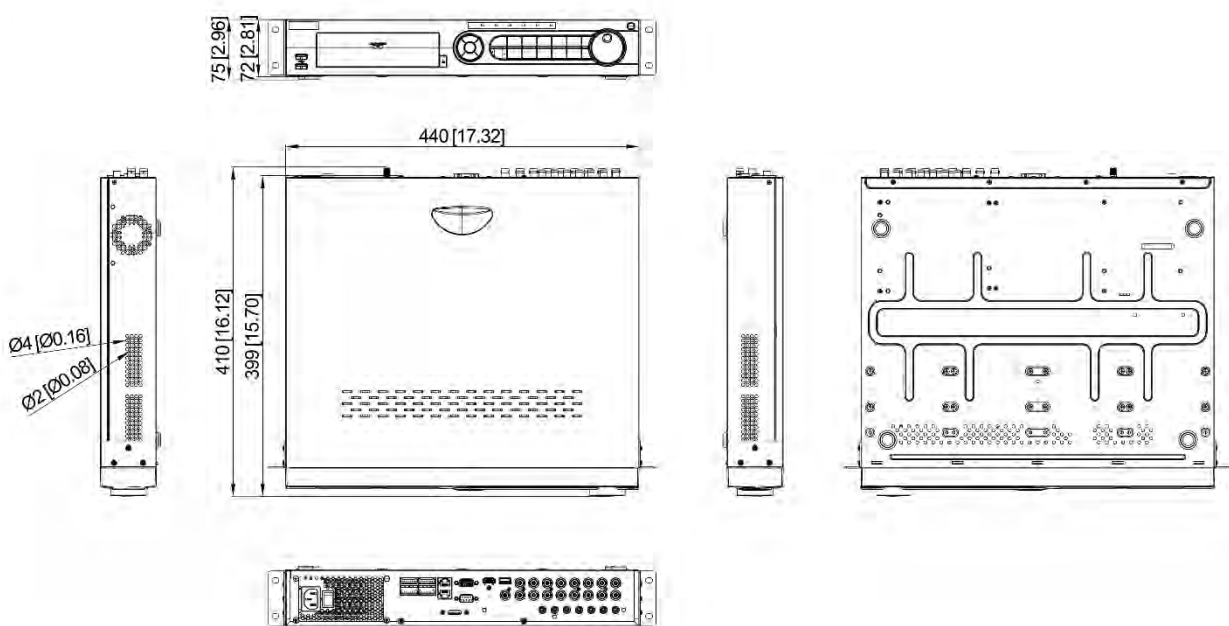
Frame Rate	<p>Main stream:</p> <p>When 1080p Lite mode not enabled:</p> <p>For 3K stream access: 3K lite@12fps; 4 MP lite@15fps/1080p Lite@20fps; 720p/WD1/4CIF/VGA/CIF@20fps</p> <p>For 5 MP stream access: 5 MP lite@12fps; 4 MP lite@15fps/1080p Lite@20fps; 720p/WD1/4CIF/VGA/CIF@20fps</p> <p>For 4 MP stream access: 4 MP lite@15fps/1080p Lite@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: 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: 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>Network</b>	
Total Bandwidth	240 Mbps
Remote Connection	128
Network Protocol	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF, SNMP
Network Interface	2, RJ45 10M/100M/1000M self-adaptive Ethernet interface
<b>Auxiliary Interface</b>	
Serial Interface	RS-232, RS-485 (full-duplex), Keyboard
SATA	4 SATA interfaces
eSATA	1 eSATA interface
Capacity	Up to 12 TB capacity for each disk
USB Interface	Front panel: 2 × USB 2.0 Rear panel: 1 × USB 3.0
Alarm In/Out	16/4
<b>General</b>	
Power Supply	100 to 240 VAC, 50 to 60 Hz
Consumption	≤ 55 W (without HDD)

Working Temperature	-10 °C to +55 °C (+14 °F to +131 °F)
Working Humidity	10% to 90%
Dimension (W × D × H)	440 × 399 × 72 mm (17.3 × 15.7 × 2.8 inch)
Weight	≤ 5 kg (without HDD, 11.0 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.
- The number of audio inputs and alarm in/out can be optional. The tag on the package will describe audio input and alarm in/out parameters. For example, “4A+8/4ALM” means your device has 4 audio inputs, 8 alarm inputs and 4 alarm outputs. If your device only has 1 audio input, the tag may not describe it.

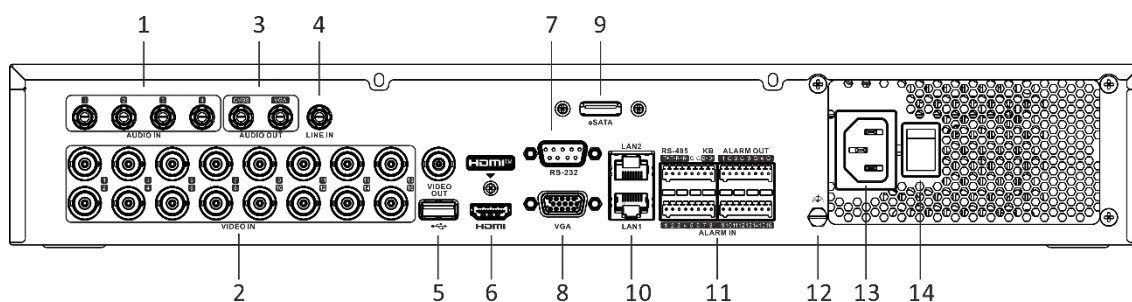
# Dimension



Unit:mm [inch]

SCALE	1:1
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## Physical Interface



No.	Description	No.	Description
1	AUDIO IN, RCA connector	8	VGA interface
2	Video and coaxial audio in	9	eSATA interface
3	AUDIO OUT (CVBS and VGA)	10	LAN 1 and LAN 2 network interfaces
4	LINE IN	11	Alarm in, alarm out, RS-485 and keyboard
5	USB interface and VIDEO OUT	12	GND
6	HDMI interface	13	Power supply
7	RS-232 serial interface	14	Power switch

## Available Model

iDS-7316HQHI-M4/S

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