HIKVISION®

iDS-7316HUHI-M4/S
16-ch 5MP 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 16-ch analog camera inputs and 4 SATA interfaces
- H.265 Pro+/H.265 Pro/H.265/H.264+/H.264 video compression
- Up to 8 MP@8 fps/5 MP@12 fps encoding capability
- HDTVI/AHD/CVI/CVBS/IP video inputs
- Up to 34-ch network camera 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 8 MP resolution

Storage and Playback

- 4 SATA interfaces and 1 eSATA interface
- 16-ch 1080p@30 fps decoding capability
- RAID 0, RAID 1, RAID 5, RAID 6 and RAID 10 storage scheme

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

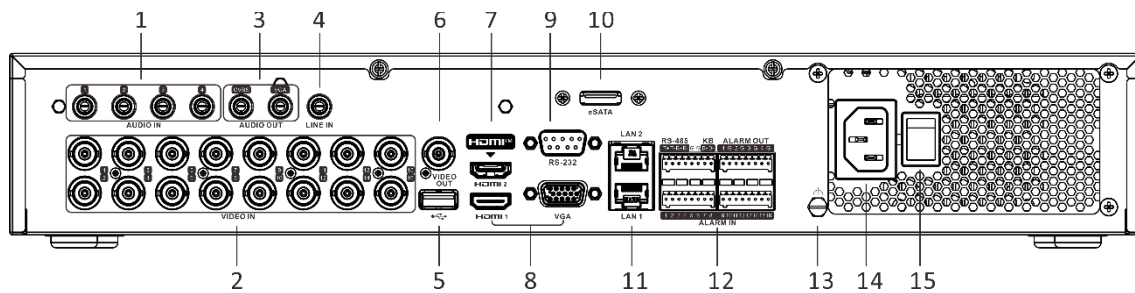| Motion Detection 2.0	
Human/Vehicle Analysis	Deep learning-based motion detection 2.0 is enabled by default for all analog channels, it can classify human and vehicle, and extremely reduce false alarms caused by objects like leaves and lights; Quick search by object or event type is supported;
Perimeter Protection	
Human/Vehicle Analysis	Up to 8-ch, for channel 1/2/3/4/9/10/11/12 only
Recording	
Video Compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264
Encoding Resolution	8 MP/3K/5 MP/4 MP/3 MP/1080p/720p/WD1/4CIF/VGA/CIF
Frame Rate	Main stream: 8 MP@8 fps/3K@12 fps/5 MP@12 fps/4 MP@15 fps/3 MP@18 fps 1080p/720p/WD1/4CIF/VGA/CIF@25 fps (P)/30 fps (N) Sub-stream: WD1/4CIF/CIF@25 fps (P)/30 fps (N)
Video Bitrate	32 Kbps to 10 Mbps
Dual-stream	Support
Stream Type	Video, Video & Audio
Audio Compression	G.711u
Audio Bitrate	64 Kbps
Video and Audio	
IP Video Input	18-ch (up to 34-ch) Up to 12 MP resolution Support H.265+/H.265/H.264+/H.264 IP cameras
Analog Video Input	16-ch BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection
HDTVI Input	3K, 4 MP, 1080p25, 1080p30, 720p25, 720p30
AHD Input	5 MP, 4 MP, 720p25, 720p30, 1080p25, 1080p30
HDCVI Input	4 MP, 720p25, 720p30, 1080p25, 1080p30
CVBS Input	PAL/NTSC
CVBS Output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480
HDMI 1 Output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
HDMI 2 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	HDMI1/VGA simultaneous output, HDMI2/VGA independent 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
Network	
Total Bandwidth	320 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
Auxiliary Interface	
SATA	4 SATA interfaces
eSATA	Support
Capacity	Up to 12 TB capacity for each disk
Serial Interface	RS-232, RS-485 (full-duplex), keyboard
Alarm In/Out	16/4
USB Interface	Front panel: 2 × USB 2.0 Rear panel: 1 × USB 3.0
General	
Power Supply	100 to 240 VAC, 50 to 60 Hz
Consumption	≤ 35 W (without HDD)
Working Temperature	-10 °C to 55 °C (14 °F to 131 °F)
Working Humidity	10% to 90%
Dimension (W × D × H)	445 × 400 × 71 mm (17.5 × 15.7 × 2.8 inch)
Weight	≤ 5 kg (without HDD, 11.0 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.
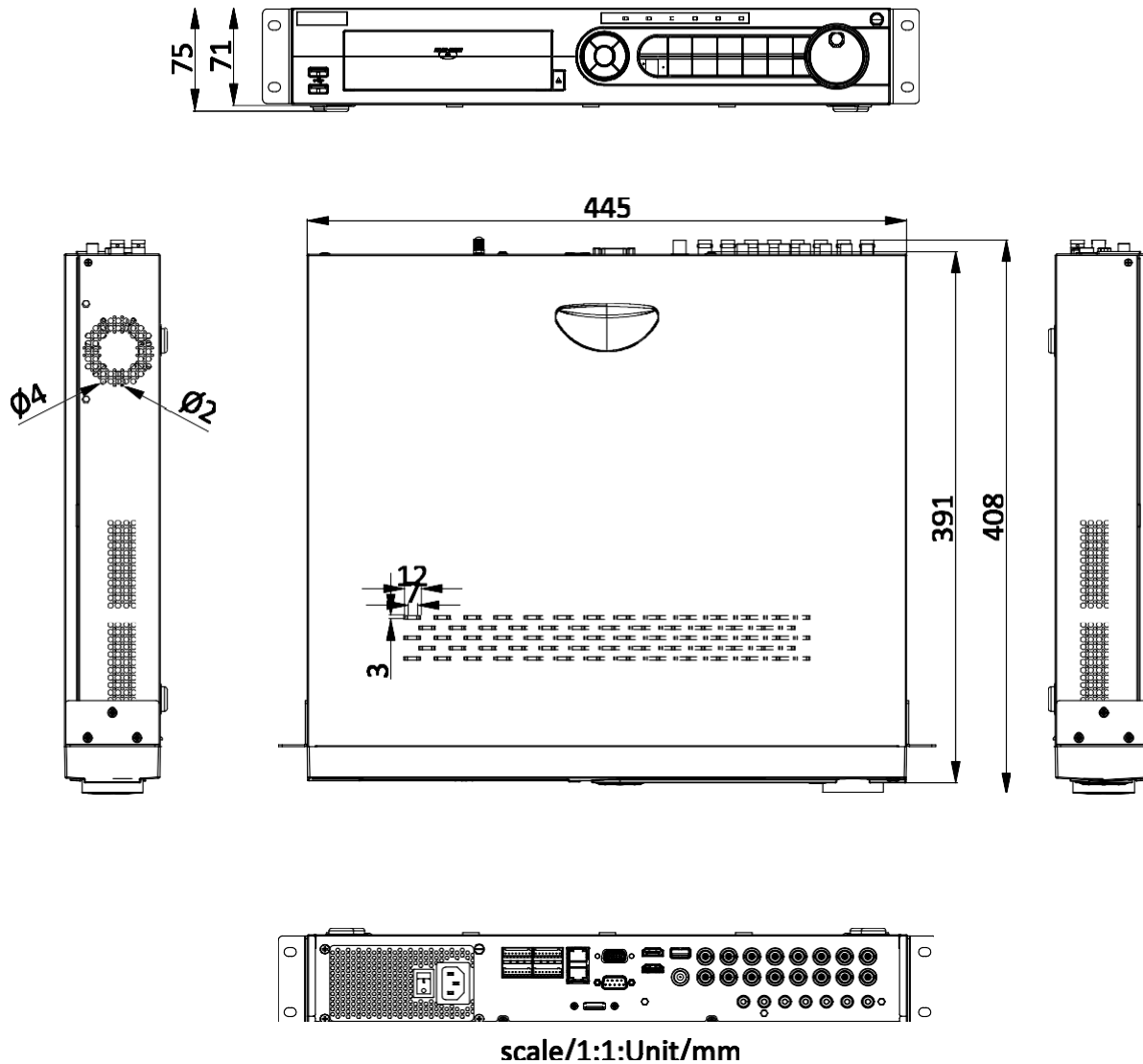
2: The number of audio inputs and alarm in/out can be optional. The tag on the package will describe audio input and alarm in/out parameters. For example, "4A+8/4ALM" means your device has 4 audio inputs, 8 alarm inputs and 3 Alarm outputs. If your device only has 1 audio input, the tag may not describe it.

Physical Interface

No.	Description	No.	Description
1	Audio in	9	RS-232 interface
2	Video in	10	eSATA interface
3	Audio out	11	LAN1 and LAN2 interfaces
4	Line in	12	Alarm out, alarm in, RS-485, and keyboard
5	USB interface	13	GND
6	Video out	14	Power supply
7	HDMI2 interface	15	Power switch
8	HDMI1 and VGA interfaces		

Dimension

scale/1:1:Unit/mm

Available Model

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