

iDS-8116HQHI-M8/S 16-ch 1080P 2U H.265 AcuSense DVR

Key Feature

- Deep learning-based perimeter protection
- Deep learning-based motion detection 2.0 for all analog channels
- H.265 Pro+/H.265 Pro/H.265/H.264+/H.264 video compression
- Up to 24-ch IP camera inputs and 8 SATA interfaces
- Up to 1080p@15 fps encoding capability
- 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

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

Network & Ethernet Access

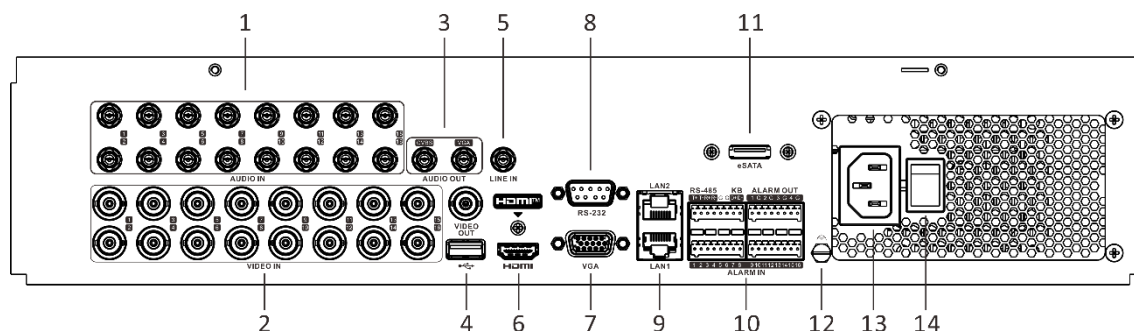
- 2 self-adaptive 10/100/1000 Mbps Ethernet interfaces
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- Output bandwidth limit configurable

▪ Specification

Motion Detection 2.0	
Human/Vehicle Analysis	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 4-ch, for channel 1/2/3/4 only
Recording	
Video Compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264
Encoding Resolution	When 1080p Lite mode is not enabled: 4 MP Lite/1080p/720p/VGA/WD1/4CIF/CIF; When 1080p Lite mode is enabled: 4 MP Lite/1080p Lite/720p Lite/VGA/WD1/4CIF/CIF
Frame Rate	Main stream: When 1080p Lite mode is not enabled: For 4 MP stream access: 4 MP Lite@15 fps; 1080p Lite/720p/WD1/4CIF/VGA/CIF@25 fps (P)/30 fps (N) For 1080p stream access: 1080p/720p@15 fps; VGA/WD1/4CIF/CIF@25fps (P)/30 fps (N) For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N) When 1080p Lite mode is enabled: 4 MP Lite@15 fps; 1080p Lite/720p Lite/VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N) Sub-stream: WD1/4CIF@12 fps; CIF@25 fps (P)/30 fps (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	8-ch (up to 24-ch) Up to 6 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	4 MP, 1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60
AHD Input	4 MP, 1080p25, 1080p30, 720p25, 720p30
HDCVI Input	4 MP, 1080p25, 1080p30, 720p25, 720p30
CVBS Input	PAL/NTSC
CVBS Output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 $\times$ 576, NTSC: 704 $\times$ 480
HDMI Output	1-ch, 4K (3840 $\times$ 2160)/30Hz, 2K (2560 $\times$ 1440)/60Hz, 1920 $\times$ 1080/60Hz, 1280 $\times$ 1024/60Hz, 1280 $\times$ 720/60Hz, 1024 $\times$ 768/60Hz
VGA Output	1-ch, 1920 $\times$ 1080/60Hz, 1280 $\times$ 1024/60Hz, 1280 $\times$ 720/60Hz, 1024 $\times$ 768/60Hz
Video Output Mode	HDMI/VGA independent output
Audio Input	16-ch, RCA (2.0 Vp-p, 1 K Ω)
Audio Output	2-ch, RCA (Linear, 1 K Ω)
Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1 K Ω , independent)
Synchronous Playback	16-ch
Network	
Total Bandwidth	240 Mbps
Remote Connection	128
Network Protocol	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF
Network Interface	2, RJ45 10M/100M/1000M self-adaptive Ethernet interface
Auxiliary Interface	
SATA	8 SATA interfaces
eSATA	1 eSATA interface
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 $\times$ USB 2.0, Rear panel: 1 $\times$ USB 3.0
General	
Power Supply	100 to 240 VAC, 50 to 60 Hz
Consumption	$\leq$ 45 W (without HDD)
Working Temperature	-10 $^{\circ}$ C to +55 $^{\circ}$ C (+14 $^{\circ}$ F to +131 $^{\circ}$ F)
Working Humidity	10% to 90%
Dimension (W $\times$ D $\times$ H)	440 $\times$ 470 $\times$ 90 mm (17.3 $\times$ 18.5 $\times$ 3.5 inch)
Weight	$\leq$ 10 kg (without HDD, 22.0 lb)

Physical Interface



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

Available Model

iDS-8116HQHI-M8/S

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