

iDS-7116HQHI-M1/S **TURBO HD DVR**

Key Features

- Deep learning-based motion detection 2.0 for all analog channels
- Deep learning-based perimeter protection
- H.265 Pro+/H.265 Pro/H.265 video compression
- HDTVI/AHD/CVI/CVBS/IP video input
- Audio via coaxial cable
- Up to 24-ch IP camera inputs
- Up to 10 TB capacity per HDD















- H.265 Pro+ can be enabled to improve encoding efficiency and reduce data storage costs
- Full channel recording at up to 4 MP lite resolution

Storage and Playback

• Smart search for efficient playback

Smart Function

- Support multiple VCA (Video Content Analytics) events for both analog and smart IP cameras
- Support 4-ch line crossing detection and intrusion detection

Network & Ethernet Access

- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- Max. 96 Mbps incoming bandwidth and output bandwidth limit configurable







Specification

Model	iDS-7116HQHI-M1/S			
Motion Detection 2.0 ¹				
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 cause by objects like leaves and lights; Quick search by object or event type is supported;			
Perimeter Protection ¹				
Line Crossing Detection/	A al-			
Intrusion Detection	4-ch			
Recording				
Video compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264			
	When 1080p lite mode is not enabled:			
Encoding resolution	4 MP lite/1080p/720p/VGA/WD1/4CIF/CIF			
	When 1080p lite mode is enabled:			
	4 MP lite/3 MP/1080p lite/720p lite/VGA/WD1/4CIF/CIF			
	Main stream:			
Frame rate	When 1080p Lite mode is not enabled:			
	4 MP lite/1080p@15 fps; 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 bit rate	32 Kbps to 10 Mbps			
Dual stream	Support			
Stream type	Video, Video & Audio			
Audio compression	G.711u			
Audio bit rate	64 Kbps			
Video and Audio				
	2-ch (up to 18-ch)			
IP video input²	Enhanced IP mode on:			
	8-ch (up to 24-ch), each up to 4 Mbps			
	Up to 6 MP resolution			
	Support H.265+/H.265/H.264+/H.264 IP cameras			
Analog video input	16-ch			
Analog video input	BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection			
HDTVI input	3K@20 fps, 4 MP@30 fps, 4 MP@25 fps, 1080p@30 fps, 1080p@25 fps, 720p@60 fps,			
	720p@50 fps, 720p@30 fps, 720p@25 fps			
AHD input	4 MP@25 fps, 4 MP@30 fps, 1080p@25 fps, 1080p@30 fps, 720p@25 fps, 720p@30			
iiiput	fps			
HDCVI input	4 MP@25 fps, 4 MP@30 fps, 1080p@25 fps, 1080p@30 fps, 720p@25 fps, 720p@30			
	fps			
CVBS input	PAL/NTSC			
CVBS output	N/A			



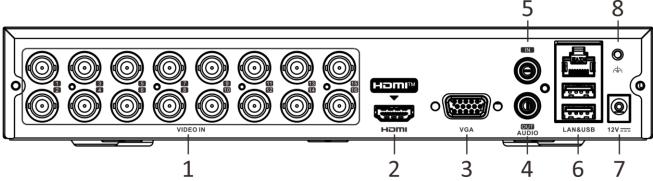
VGA output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz			
HDMI output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz			
Video output mode	HDMI and VGA simultaneous output			
Audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)			
	16-ch via coaxial cable			
Audio output	1-ch, 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			
Network				
Total bandwidth	128 Mbps			
Incoming bandwidth				
(Enhanced IP mode)	96 Mbps			
Remote connection	128			
Notwork protocol	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS,			
Network protocol	ONVIF			
Network interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface			
Auxiliary interface				
SATA	1 SATA interface			
Capacity	Up to 10 TB capacity for each disk			
Serial interface	N/A			
USB interface	Rear panel: 2 × USB 2.0			
Alarm in/out	N/A			
General				
Power supply	12 VDC, 1.9 A			
Consumption (without	≤ 15 W			
HDD)				
Working temperature	-10 °C to +55 °C (+14 °F to +131 °F)			
Working humidity	10% to 90%			
Dimension (W \times D \times H)	285 × 210 × 48 mm (11.2 × 8.3 × 1.9 inch)			
Weight (without HDD)	$\leq 1 \text{ kg } (2.2 \text{ lb})$			

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: Enhanced IP mode might be conflicted with smart events (perimeter protection) or other functions, please refer to the user manual for details.



Physical Interface



No.	Description	No.	Description
1	Video and Coaxial Audio In	5	AUDIO IN, RCA Connector
2	HDMI Interface	6	USB Interface and LAN Network Interface
3	VGA Interface	7	Power Input
4	AUDIO OUT, RCA Connector	8	GND

Available Model

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