

iDS-7216HUHI-M2/P **TURBO ACUSENSE DVR**

Key Feature

- Deep learning-based motion detection 2.0 for all analog channels
- Deep learning-based perimeter protection
- H.265 Pro+/H.265 Pro/H.265/H.264+/H.264 video compression
- HDTVI/AHD/CVI/CVBS/IP video inputs
- Audio via coaxial cable
- Up to 32-ch IP camera inputs (up to 8 MP)
- Up to 10 TB capacity per HDD
- Provide power supply to PoC cameras over coaxial cable



















Compression and Recording

- H.265 Pro+ can be enabled to improve encoding efficiency and reduce data storage costs
- Recording at up to 8 MP resolution

Storage and Playback

- 2 SATA interfaces
- Smart search for efficient playback

Smart Function

- Deep learning-based motion detection, and perimeter protection (line crossing and intrusion detection)
- Support multiple VCA (Video Content Analytics) events for both analog and smart IP cameras

Network & Ethernet Access

- Compatible with major Wi-Fi dongle products in the market
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- Output bandwidth limit configurable



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Specification

Motion Detection 2.0				
	Deep learning-based motion detection 2.0 is enabled by default for all analog channels,			
Human/Vehicle Analysis	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				
Line Crossing Detection/Intrusion	Up to 4-ch			
Detection				
Facial Detection				
Facial Detection and Capture	Face picture detection, face picture search			
Recording				
Video Compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264			
Encoding Resolution	8 MP/5 MP/3K/4 MP/3 MP/1080p/720p/WD1/4CIF/VGA/CIF			
	Main stream:			
	8 MP@8 fps/3K@12 fps/5 MP@12 fps/4 MP@15 fps/8 MP Lite@15 fps/3 MP@18 fps			
Frame Rate	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				
	8-ch (up to 24-ch)			
10.01	Enhanced IP mode on: 16-ch (up to 32-ch), each up to 4 Mbps			
IP Video Input	Up to 8 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			
PoC Camera Input	Support Hikvision PoC camera			
HDMI Output	1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 ×			
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CVBS Input	PAL/NTSC			



CVBS Output	1-ch, BNC (1.0 Vp-p, 75 Ω),				
	resolution: PAL: 704 × 576, NTSC: 704 × 480				
Synchronous playback	16-ch				
	8 MP(3840 × 2160)@15 fps, 8 MP(3840 × 2160)@12 fps, 3K(2960 x 1665)@20 fps, 5				
HDTVI Input	MP(2560 × 1944)@20 fps, 5 MP(2560 × 1944)@12 fps, 4 MP(2560 × 1440)@30 fps, 4				
	MP(2560 × 1440)@25 fps, 3 MP@18 fps,1080p@30 fps, 1080p@25 fps,720p@30 fps,				
	720p@25 fps				
AUD In not	5 MP(2560 × 1944)@20 fps, 5 MP(2560 × 1944)@12 fps, 4 MP(2560 × 1440)@30 fps, 4				
AHD Input	MP(2560 × 1440)@25 fps, 1080p@30 fps, 1080p@25 fps, 720p@30 fps, 720p@25 fps				
VGA Output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz				
	8 MP(3840 × 2160)@15 fps, 8 MP(3840 × 2160)@12 fps, 5 MP(2592 × 1944)@20 fps, 4				
HDCVI Input	MP(2560 × 1440)@30 fps, 4 MP(2560 × 1440)@25 fps, 1080p@30 fps, 1080p@25 fps				
	720p@30fps,720p@25fps				
Video Output Mode	HDMI/VGA simultaneous output				
Audio Output	1-ch, RCA (Linear, 1 KΩ)				
	4-ch, RCA (2.0 Vp-p, 1 KΩ)				
Audio Input	4-ch via coaxial cable				
Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1 K Ω) (using the audio input)				
Network					
Total Bandwidth	128 Mbps				
Wi-Fi	Connectable to Wi-Fi network by Wi-Fi dongle through USB interface				
Notucel Protocol	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS				
Network Protocol	ONVIF				
Remote Connection	128				
Network Interface	1, RJ45 10/100/1000 Mbps self-adaptive Ethernet interface				
Auxiliary Interface					
SATA	2 SATA interfaces				
Capacity	Up to 10 TB capacity for each disk				
Serial Interface	RS-485 (half-duplex)				
USB Interface	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 2.0				
Alarm In/Out	4/1				
General					
Power Supply	100 to 240 VAC, 50 to 60 Hz				
Consumption	≤ 20 W (without HDD)				
Working Temperature	-10 °C to +55 °C (+14 °F to +131 °F)				
Working Humidity	10% to 90%				
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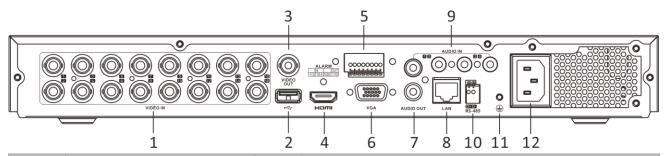
Dimension (W × D × H)	380 × 320 × 48 mm (15.0 × 12.6 × 1.9 inch)
Weight	≤ 3.8 kg (without HDD, 8.4 lb.)

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 (motion detection 2.0 and perimeter protection) or other functions, please refer to the user manual for details.
- 3: The number of audio inputs and alarmin/out can be optional. The tag on the package will describe audio input and alarmin/out parameters. For example, "4A+8/4ALM" means your device has 4 audio inputs, 8 alarmin puts and 4 alarm outputs. If your device only has 1 audio input, the tag may not describe it.



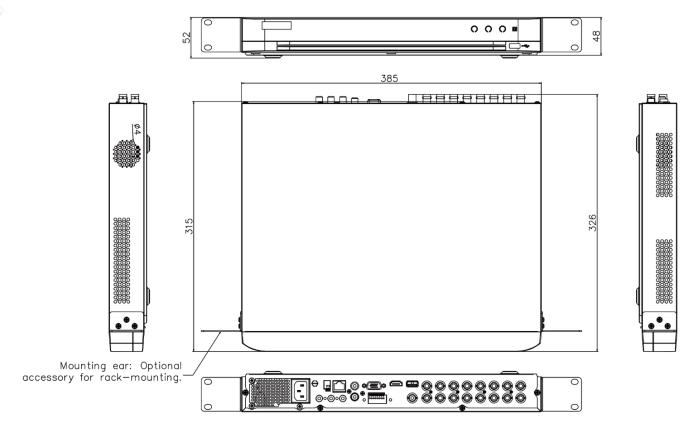
Physical Interface



No.	Description	No.	Description
1	Video and Coaxial Audio In	7	AUDIO OUT, RCA connector
2	USB interface	8	LAN network interface
3	VIDEO OUT	9	AUDIO IN, RCA connector
4	HDMI interface	10	RS-485 serial interface
5	ALARM IN/OUT	11	GND
6	VGA interface	12	Power Supply



Dimension



scale/1:1;Unit/mm

Available Model

iDS-7216HUHI-M2/P



Appendix

AT/AF Mode

With reference to PoE standards, Hikvision has introduced AT and AF mode for PoC to distinguish the power level of PoC cameras. The maximum operating power of AT and AF are 10 W and 6 W respectively. These two modes are not related to IEEE 802.3 IP standard.

PoC Access Capability

PoC Device	Allowed AT/AF Camera Access			
4-ch PoC device	4 AT cameras			
8-ch PoC device	8 AT cameras			
16-ch PoC device	8 AT cameras + 8 AF cameras			
	Or up to 12 AT cameras			

16-ch PoC device is connected to 8 AT cameras through 8 random channels rather than fixed ones. The access scenarios of a 16-ch PoC device are listed in the table below:

AT camera access	12	11	10	9	8	N (0 to 7)
AF camera access	0	2	4	6	8	16-N

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