iDS-7216HQHI-E1/XT



- 16 channels and 1 HDD 1U AcuSense DVR
- Support 4-ch Facial Recognition or 8-ch advanced model Perimeter Protection based on Deep Learning algorithm
- Support 8-ch AcuSearch Technology
- Efficient H.265 pro+ compression technology
- Encoding ability up to 3K/5MP Lite@12fps
- Up to 24-ch IP camera inputs, each channel up to 6MP
- Up to 24*1080P@30fps decoding ability
- 5 signals input adaptively (HDTVI/AHD/CVI/CVBS/IP)
- Support All channels Motion Detection Technology
- Support All channels HDTVI Two-Way Audio Technology

▪ Function

Compression and Recording

- H.265 Pro+ can be enabled to improve encoding efficiency and reduce data storage costs
- Recording at up to 3K / 5 MP Lite resolution

Smart Function

- Up to 16 channels (analog channel) Motion Detection 2.0
- Up to 8 channels (advanced model，analog channel) Perimeter Protection
- Up to 4 channels (advanced model，analog channel) human face recognition
- Support smart playback to enhance playback efficiency

Network & Ethernet Access

- Support Hik-Connect & DDNS (Dynamic Domain Name System)
- Output bandwidth limit configurable

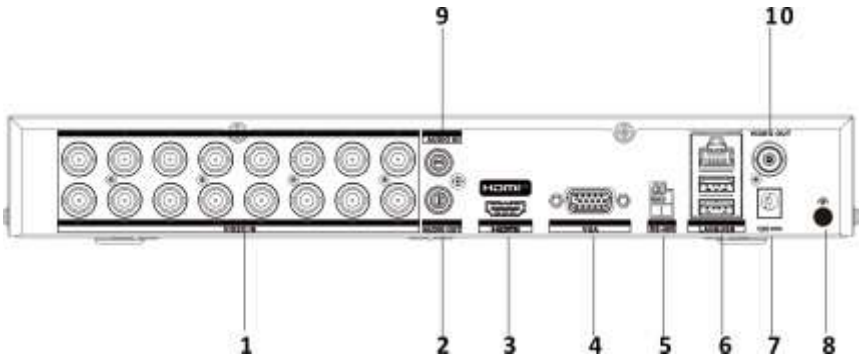
▪ Specification

Facial Recognition	
Face Picture Comparison	Face picture comparison, face picture search (4-ch face picture comparison alarm for HD analog camera)
Face Picture Library	Up to 16 face picture libraries,; HDD damage will not cause data loss in the face picture library, because the library has been backed up by HDD and flash.
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 (advanced model)
Facial Detection	
Facial Detection and Capture	Face picture detection, face picture search； 4-ch face picture capture
Video and Audio	
IP Video Input	8-ch (up to 24-ch), Up to 6 MP resolution
Analog Video Input	16-ch BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection
HDTVI Input	3K(2960 x 1665)@25/20 fps, 3K(3328x1504)@20fps,5 MP(2560 × 1944)@20 fps, 4 MP(2560 × 1440)@25/30 fps,1080P@25/30 fps, 720P@25/30fps
AHD Input	5 MP(2560 × 1944)@20 fps, 4 MP(2560 × 1440)@25/30 fps,1080P@25/30 fps, 720P@25/30fps
HDCVI Input	3K(2880×1620)@25/20fps, 5MP(2592 × 1944)@20 fps, 4MP(2560 × 1440)@25/30 fps,1080P@25/30 fps, 720P@25/30fps
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, HDMI/VGA simultaneous output
VGA Output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, HDMI/VGA simultaneous output
Audio Input	1-ch (up to 16-ch is optional), 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
Recording	
Video Compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264

Encoding Resolution	When 1080p Lite mode is not enabled: 3K lite/5 MP lite/4 MP lite/1080p/720p/VGA/WD1/4CIF/CIF; When 1080p Lite mode is enabled: 3K lite/5 MP lite/4 MP lite/1080p lite/720p lite/VGA/WD1/4CIF/CIF
Frame Rate	Main stream: When 1080p Lite mode not enabled: For 3K stream access: 3K lite@12fps;4 MP lite@15fps/1080pLite@20fps;720p/WD1/4CIF/VGA/CIF@20fps For 5 MP stream access: 5 MP lite@12fps;4 MP lite@15fps/1080pLite@20fps;720p/WD1/4CIF/VGA/CIF@20fps For 4 MP stream access: 4 MP lite@15fps/1080pLite@25fps (P)/30fps (N) ;720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N) For 1080p stream access: 1080p/720p@15fps; VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) 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) Sub-stream: WD1/4CIF@12fps; CIF@25fps (P)/30fps (N)
Video Bitrate	32 Kbps to 6 Mbps
Dual-stream	Support main stream or sub stream
Stream Type	Video, Video & Audio
Audio Compression	G.711u
Audio Bitrate	64 Kbps
Decoding	
Decoding Capability	up to 24-ch 1080P@30fps
Network	
Remote Connection	128
Total Bandwidth	256 Mbps
Network Protocol	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF, ISUP
Network Interface	1, RJ45 10/100/1000 Mbps self-adaptive Ethernet interface
Auxiliary Interface	
SATA	1 SATA interface, up to 12 TB capacity for each disk
Serial Interface	RS-485 (half-duplex)
USB Interface	Front panel: 1 × USB 2.0; Rear panel: 2 × USB 3.0
Alarm In/Out	N/A (optional to support)
General	
Power Supply	12 VDC, 2 A
Consumption	≤ 24 W
Working Temperature	-10 °C to 55 °C (14 °F to 131 °F)
Working Humidity	10% to 90%
Dimension (W × D × H)	319 × 240 × 48 mm (12.6 × 9.4 × 1.9 inch)
Weight	≤ 2 kg (4.4 lb)

▪ Physical Interface

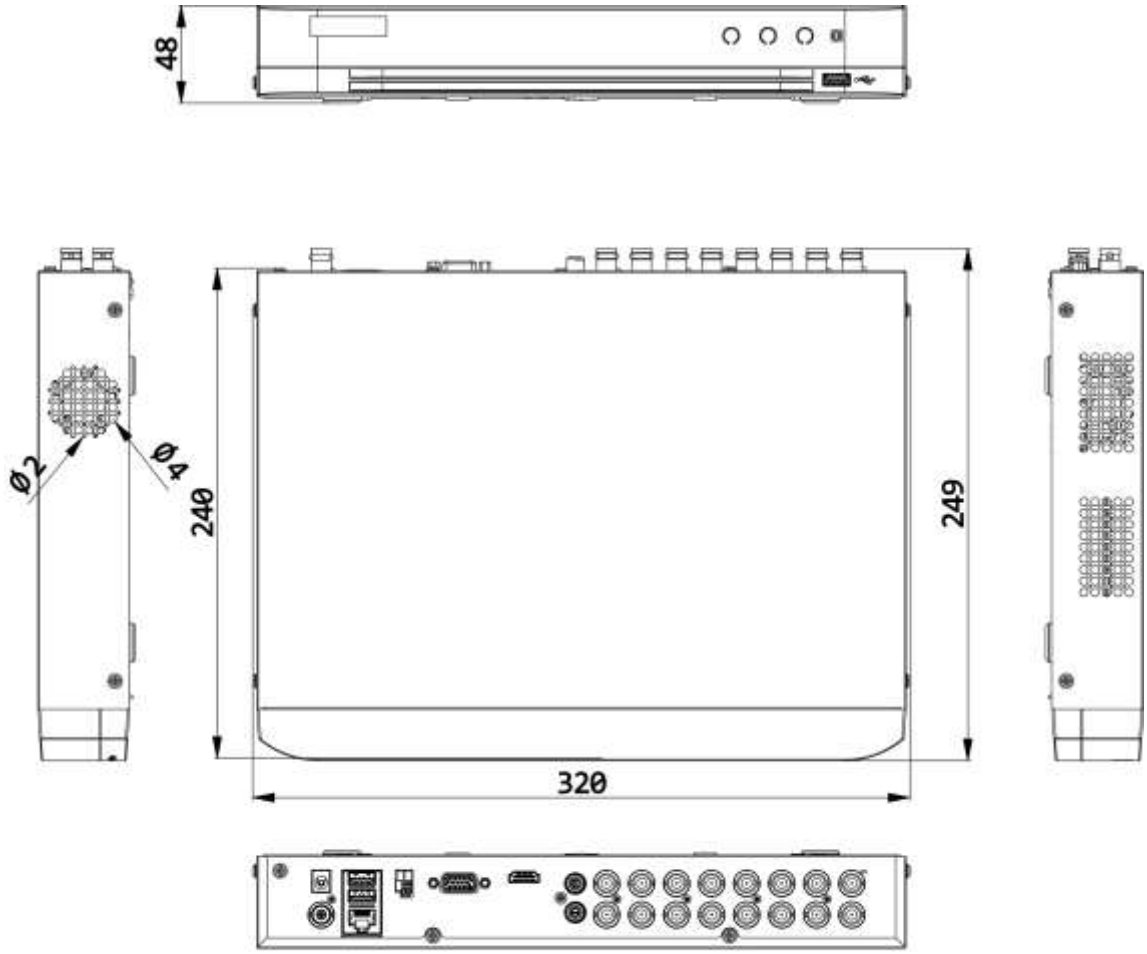
No.	Description	No.	Description
1	Video in	6	LAN network interface and USB interface
2	Audio out	7	12 VDC power input
3	HDMI interface	8	GND
4	VGA interface	9	Audio in
5	RS-485 interface	10	Video out



▪ Available Model

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▪ Dimension



scale/1:1;Unit/mm

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