

iDS-7216HQHI-M1/XT 16-ch 1080P 1U H.265 AcuSense DVR

Key Feature

- 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













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

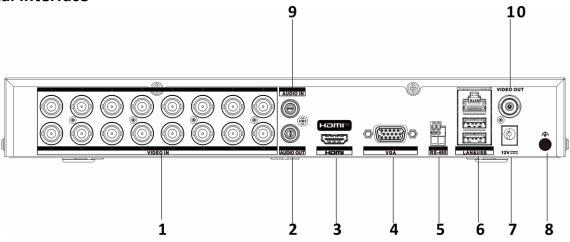
Face Picture Comparison Hananisms, face picture search (4-ch face picture comparison alarm for Hb analog camera) Up to 16 face picture libraries.; HDD damage will not cause data loss in the face picture library, because the library has been backed up by HDD and flash. Motion Detection 2.0 Deep learning-based 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 and Capture Facial Detection and Capture Video and Audio IP Video Input 8-ch (up to 24-ch), Up to 6 MP resolution BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection Analog Video Input 8-ch (up to 24-ch), Up to 6 MP resolution BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection ANEQ 1665(925/20 fps, 31(3328x1504)@20fps, 5MP(2560 x 1944)@20 fps, 4 MP(2560 x 1440)@25/30 fps, 720P@25/30 fps AHD Input 720P@25/30 fps AHD Input 8-(2560 x 1944)@20 fps, 4 MP(2560 x 1440)@25/30 fps, 720P@25/30 fps Topp@25/30 fps AHD Input 9AL/NTSC CVBS Input PAL/NTSC CVBS Output 1-ch, 180 (1.0 Vp-p, 75 Ω), supporting coaxitron connection Analog Video Analogo (1.2 Vp-p, 75 Ω), supporting coaxitron connection ANALOGO (1.2 Vp-p, 75 Ω), support	Facial Recognition			
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AHD Input 720P@25/30fps 3K(2880×1620)@25fps, 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 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 Recording	HDTVI Input			
HDCVI Input 3K(2880×1620)@25fps, 5MP(2592 × 1944)@20 fps, 4MP(2560 × 1440)@25/30 fps, 1080P@25/30 fps, 720P@25/30fps CVBS Input PAL/NTSC 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480 HDMI Output 1024/60Hz, 1280 × 720/60Hz, HDMI/VGA simultaneous output 1-ch, 1920 × 1080/60Hz, 1280 × 720/60Hz, HDMI/VGA simultaneous output 1-ch (up to 16-ch is optional), RCA (2.0 Vp-p, 1 KΩ) 16-ch via coaxial cable 1-ch, RCA (Linear, 1 KΩ) 1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the first audio input) 19yochronous playback 16-ch Recording 16-ch Recording 16-ch Recording 16-ch Recording 16-ch Recording 10		5 MP(2560 × 1944)@20 fps, 4 MP(2560 × 1440)@25/30 fps,1080P@25/30 fps,		
HDCVI Input 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	AHD Input	720P@25/30fps		
fps,1080P@25/30 fps, 720P@25/30fps CVBS Input PAL/NTSC 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1920 × 1080/60Hz, 1280 × 720/60Hz, HDMI/VGA simultaneous output VGA Output 1-ch, 1920 × 1080/60Hz, 1280 × 720/60Hz, 1280 × 720/60Hz, HDMI/VGA simultaneous output Audio Input 1-ch (up to 16-ch is optional), RCA (2.0 Vp-p, 1 KΩ) 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 Recording		3K(2880×1620)@25fps, 5MP(2592 × 1944)@20 fps, 4MP(2560 × 1440)@25/30		
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 K Ω) Audio Output 1-ch, RCA (Linear, 1 K Ω) Two-Way Audio 1-ch, RCA (2.0 Vp-p, 1 K Ω) (using the first audio input) Synchronous playback 16-ch Recording	HDCVI Input	fps,1080P@25/30 fps, 720P@25/30fps		
CVBS Output resolution: PAL: 704×576 , NTSC: 704×480 1-ch, 4K (3840×2160)/ $30Hz$, 2K (2560×1440)/ $60Hz$, 1920×1080 / $60Hz$, 1280×1024 / $60Hz$, 1280×720 / $60Hz$, HDMI Output 1024 / 1024	CVBS Input			
resolution: PAL: 704×576 , NTSC: 704×480 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 , 2.0 Vp-p	CVDS Outrast	1-ch, BNC (1.0 Vp-p, 75 Ω),		
HDMI Output $1024/60$ Hz, $1280 \times 720/60$ Hz, 	CVBS Output	resolution: PAL: 704 × 576, NTSC: 704 × 480		
$\label{eq:hdminimizer} HDMI/VGA simultaneous output \\ VGA Output & 1-ch, 1920 \times 1080/60Hz, 1280 \times 1024/60Hz, 1280 \times 720/60Hz, \\ HDMI/VGA simultaneous output \\ 1-ch (up to 16-ch is optional), RCA (2.0 Vp-p, 1 K\Omega) 16-ch \ via \ coaxial \ cable \\ Audio Output & 1-ch, RCA \ (Linear, 1 K\Omega) \\ Two-Way Audio & 1-ch, RCA (2.0 Vp-p, 1 K\Omega) (using the first audio input) Synchronous \ playback & 16-ch \\ Recording & $		1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 ×		
VGA Output $ \begin{array}{c} 1\text{-ch, } 1920 \times 1080/60\text{Hz, } 1280 \times 1024/60\text{Hz, } 1280 \times 720/60\text{Hz,} \\ \text{HDMI/VGA simultaneous output} \\ 1\text{-ch (up to 16-ch is optional), RCA (2.0 Vp-p, 1 K\Omega)} \\ 16\text{-ch via coaxial cable} \\ \text{Audio Output} & 1\text{-ch, RCA (Linear, 1 K}\Omega) \\ \text{Two-Way Audio} & 1\text{-ch, RCA (2.0 Vp-p, 1 K}\Omega) \text{ (using the first audio input)} \\ \text{Synchronous playback} & 16\text{-ch} \\ \textbf{Recording} \\ \end{array} $	HDMI Output	1024/60Hz, 1280 × 720/60Hz,		
VGA Output 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		HDMI/VGA simultaneous output		
HDMI/VGA simultaneous output 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	VGA Output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz,		
Audio Input 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	VGA Output	HDMI/VGA simultaneous output		
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	Audio Input	1-ch (up to 16-ch is optional), RCA (2.0 Vp-p, 1 KΩ)		
Two-Way Audio 1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the first audio input) Synchronous playback 16-ch Recording		16-ch via coaxial cable		
Synchronous playback 16-ch Recording	Audio Output	1-ch, RCA (Linear, 1 KΩ)		
Recording	Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the first audio input)		
	Synchronous playback	16-ch		
Video Compression H.265 Pro+/H.265 Pro/H.265/H.264+/H.264	Recording			
	Video Compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264		



	When 1080p Lite mode is not enabled:		
Encoding Resolution	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		
	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		
Frame Rate	(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	\leq 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

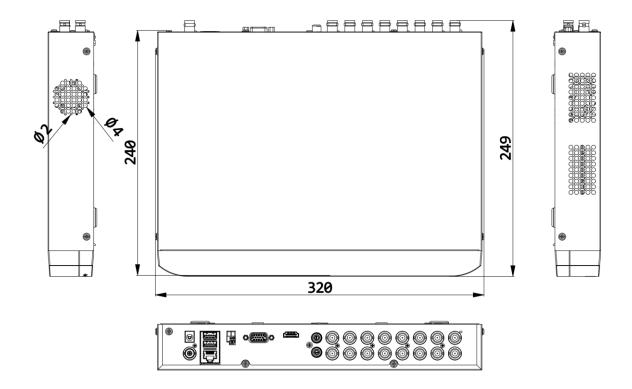
Available Model

iDS-7216HQHI-M1/XT



Dimension





scale/1:1;Unit/m m

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