

iDS-E08HQHI-XB 8-ch 1080p 1U H.265 eSSD AcuSense DVR

Key Feature

- Powered by M-SATA eSSD technology
- Deep learning based human and vehicle targets classification of Motion Detection 2.0
- Deep learning-based perimeter protection
- Scene-adaptive bitrate control video compression
- Up to 3K/5MP Lite@12 fps encoding capability
- Low power consumption
- Audio via coaxial cable

















Built-In SSD

- Minimalist eSSD design brings low power consumption
- Integrated storage design provides the plug-and-play device use

Easy Installation

- Mini size design saves installation space
- Anti-vibration design and light weight satisfy more installation conditions

Compression and Recording

- Scene-adaptive bitrate control technology would precisely allocate videos in eSSD according to the actual scene
- Full channel recording at up to 3K/5MP Lite resolution

Smart Function

- Deep learning-based motion detection 2.0
- Deep learning-based perimeter protection
- Smart search for efficient playback



Specification

Model		iDS-E08HQHI-XB		
		Deep learning-based motion detection 2.0 is enabled by default for all analog channels, it		
Motion	Human/Vehic	can classify human and vehicle, and extremely reduce false alarms caused by objects like		
Detection 2.0 le Analysis		leaves and lights;		
		Quick search by object or event type is supported;		
Perimeter	Human/Vehic	Up to 4-ch		
Protection	le Analysis	Op 10 4 CII		
	Video	H.265 Pro/H.265		
	Compression	11.203 1 10/11.203		
		When 1080p Lite mode is not enabled:		
	Encoding	5MPLite/3KLite/4MPLite/1080p/720p/WD1/4CIF;		
	Resolution	When 1080p Lite mode is enabled:		
		5MPLite/3KLite/4MPLite/1080p Lite/720p/WD1/4CIF;		
	Frame Rate	Main stream:		
		When 1080p lite mode not enabled:		
		For 3K stream access:		
		3K LITE @12FPS; 4 MP lite@15 fps; 1080p/720p/WD1/4CIF/VGA/CIF@25 fps (P)/30 fps (N)		
		For 5MP stream access:		
		5MP LITE @12FPS; 4 MP lite@15 fps; 1080p/720p/WD1/4CIF/VGA/CIF@25 fps (P)/30 fps		
		(N)		
Recording		For 1080p stream access:		
g		1080p/720p@15 fps; VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N)		
		For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N)		
		When 1080p Lite mode enabled:		
		5MP/3K lite/ 4 MP lite/3 MP@15 fps; 1080p lite/720p lite/VGA/WD1/4CIF/CIF@25 fps		
		(P)/30fps (N)		
	Video Bitrate	According to the actual scene, scene-adaptive bitrate control technology would		
		automatically allocates appropriate bitrate to ensure the stability of recording period.		
	Stream Type	Video, Video & Audio		
		Note: In order to protect privacy, the device will only record video (without audio) by		
		default. If you want to record audio, you shall manually enable audio recording. For		
		operation details, refer to the user manual.		
	Audio	G.711u		
	Compression			
	Audio Bitrate	64 Kbps		



Audio CVBS Input Support						
Support H.265+/H.265 P cameras			2-ch			
Analog Video B-Ch Input BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection HDTVI Input 3K@20 fps, 5 MP@20 fps, 4 MP@30 fps, 4 MP@25 fps, 1080p@30 fps, 1080p@25 fps, 720p@30 fps, 720p@25 fps, 720p805, 720p805 fps, 720p805 fps, 720p805 fps, 720p805 fps, 720p805 fps, 1080p@30 fps, 1080p@25 fps, 720p805 fps AHD Input 720p825 fps 5 MP@20 fps, 4 MP@30 fps, 4 MP@25 fps, 1080p@30 fps, 1080p@25 fps, 720p806 fps, 720p807 fps, 72		IP Video Input	Up to 6 MP resolution			
Input			Support H.265+/H.265 IP cameras			
Network Network Network Interface Network Network Interface Network Network Interface Network Network Interface Network Network Network Network Network Network Network Interface Network Ne		Analog Video	8-ch			
HDTVI Input fps, 720p@30 fps, 720p@25 fps, 720p50, 720p60 AHD Input 5 MP@20 fps, 4 MP@30 fps, 4 MP@25 fps, 1080p@30 fps, 1080p@25 fps, 720p@30 fps, 720p@25 fps Audio HDCVI Input 5 MP@20 fps, 4 MP@30 fps, 4 MP@25 fps, 1080p@30 fps, 1080p@25 fps, 720p@30 fps, 720p@25 fps CVBS Input Support VGA Output 1-ch, 1920 × 1080/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz HDMI Output 1-ch, 1920 × 1080/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz HDMI Output 1-ch, 1920 × 1080/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz HDMI Output 1-ch via coaxial cable Audio Output 1-ch via HDMI Synchronous Playback Pfotocol Audio Input 4-ch Remote Connection 64		Input	BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection			
Video AHD Input 5 MP@20 fps, 720p@30 fps, 720p@30 fps, 1080p@30 fps, 1080p@25 fps, 720p@30 fps, 720p@30 fps, 720p@30 fps, 1080p@30 fps, 1080p@25 fps, 720p@30 fps, 720p@25 fps HDCVI Input		HDTVI Input	3K@20 fps, 5 MP@20 fps, 4 MP@30 fps, 4 MP@25 fps,1080p@30 fps, 1080p@25			
Video Audio Aud			fps,720p@30 fps, 720p@25 fps, 720p50, 720p60			
Video Audio HDCVI Input Audio HDCVI Input Audio HDCVI Input Audio HDCVI Input Audio FCVBS Input VGA Output HDMI Output Audio Input Au		AHD Input	5 MP@20 fps, 4 MP@30 fps, 4 MP@25 fps, 1080p@30 fps, 1080p@25 fps, 720p@30 fps,			
Audio HDCVI Input 720p@25 fps			720p@25 fps			
Audio 720p@25 fps CVBS Input Support VGA Output 1-ch, 1920 × 1080/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz HDMI Output 1-ch, 1920 × 1080/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz Video Output Mode Audio Input 8-ch via coaxial cable Audio Output 1-ch via HDMI Synchronous Playback A-ch Bandwidth Incoming bandwidth: 8 Mbps Remote Connection Network Interface Auxiliary Auxi	Video and	HDCV/ Input	5 MP@20 fps, 4 MP@30 fps, 4 MP@25 fps, 1080p@30 fps, 1080p@25 fps, 720p@30 fps,			
VGA Output 1-ch, 1920 × 1080/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz HDMI Output 1-ch, 1920 × 1080/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz Video Output Mode HDMI/VGA simultaneous output Audio Input 8-ch via coaxial cable Audio Output 1-ch via HDMI Synchronous Playback Playback Incoming bandwidth: 8 Mbps Remote Connection Network Protocol Network Interface Auxiliary Interface Auxiliary Interface Auxiliary Interface Auxiliary Interface Auxiliary Interface Auxiliary Interface Power Supply Power Supply 12 VDC, 1 A Power Supply 12 VDC, 1 A Power Supply 12 VDC, 1 A	Audio	TIDEVI IIIput	720p@25 fps			
HDMI Output Video Output Mode Audio Input 8-ch via coaxial cable Audio Output Synchronous Playback Playback Are Connection Network Interface Auxiliary Interface Auxiliary Auxiliary Interface Auxiliary Auxil		CVBS Input	Support			
Video Output Mode		VGA Output	1-ch, 1920 × 1080/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz			
Mode Audio Input 8-ch via coaxial cable Audio Output 1-ch via HDMI Synchronous Playback Augiliary Interface Metwork Auxiliary Interface Audio Input 8-ch via coaxial cable Audio Output 1-ch via HDMI 4-ch 4-ch 4-ch 96 Mbps Incoming bandwidth: 8 Mbps Remote Connection Network Protocol Network Protocol Network Interface Auxiliary Interface Auxiliary Interface Alarm In/Out USB Interface Rear panel: 2 × USB 2.0 Power Supply 12 VDC, 1 A Auxiliary Power Supply 1-ch via coaxial cable Audio Output 8-ch via coaxial cable Auxiliary Auxiliary Auxiliary Auxiliary Interface Auxiliary Interface Auxiliary Interface Auxiliary Interface Alarm In/Out OPTIONAL 4/1 USB Interface Rear panel: 2 × USB 2.0 Power Supply 12 VDC, 1 A		HDMI Output	1-ch, 1920 × 1080/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz			
Mode Audio Input 8-ch via coaxial cable Audio Output 1-ch via HDMI Synchronous Playback 4-ch Total 96 Mbps Bandwidth Incoming bandwidth: 8 Mbps Remote Connection Network Protocol Network Interface Auxiliary Interface Alarm In/Out OPTIONAL 4/1 USB Interface Power Supply 1-ch via HDMI A-ch 1-ch 1-ch via HDMI A-ch 1-ch 1-ch via HDMI A-ch 1-ch 1-ch via HDMI A-ch 1-ch via HDMI A-ch 1-ch 1-ch via HDMI A-ch 1-ch via HDMI A-ch 1-ch 1-c		Video Output	HDMI///GA simultaneous output			
Audio Output 1-ch via HDMI Synchronous Playback 4-ch Total 96 Mbps Bandwidth Incoming bandwidth: 8 Mbps Remote Connection Network Protocol Network Protocol Network Interface Auxiliary Interface Alarm In/Out OPTIONAL 4/1 USB Interface Rear panel: 2 × USB 2.0 Power Supply 12 VDC, 1 A Total 96 Mbps Bandwidth Incoming bandwidth: 8 Mbps 64 TCP/IP, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, UPnP™, HTTPS Female Playback 1, RJ45 10/100 Mbps self-adaptive Ethernet interface Built-in 1024 GB eSSD (960 GB available) Note: The device can store about 2 weeks videos for 8-ch analog cameras (default parameters), this estimation is for reference only. Alarm In/Out OPTIONAL 4/1 USB Interface Rear panel: 2 × USB 2.0		Mode	Holvin, voa simultaneous output			
Synchronous Playback Total 96 Mbps Bandwidth Incoming bandwidth: 8 Mbps Remote Connection Network Protocol Network Interface Auxiliary Interface Alarm In/Out USB Interface Power Supply Total 96 Mbps Incoming bandwidth: 8 Mbps 64 TCP/IP, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, UPnP™, HTTPS TCP/IP, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, UPnP™, HTTPS 1, RJ45 10/100 Mbps self-adaptive Ethernet interface Built-in 1024 GB eSSD (960 GB available) Note: The device can store about 2 weeks videos for 8-ch analog cameras (default parameters), this estimation is for reference only. QFIIONAL 4/1 USB Interface Power Supply 12 VDC, 1 A		Audio Input	8-ch via coaxial cable			
Hetwork Playback 4-ch		Audio Output	1-ch via HDMI			
Playback Total 96 Mbps Bandwidth Incoming bandwidth: 8 Mbps Remote Connection Network Protocol Network Interface Auxiliary Interface Alarm In/Out USB Interface Power Supply Total 96 Mbps Incoming bandwidth: 8 Mbps 64 TCP/IP, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, UPnP™, HTTPS 1, RJ45 10/100 Mbps self-adaptive Ethernet interface Built-in 1024 GB eSSD (960 GB available) Note: The device can store about 2 weeks videos for 8-ch analog cameras (default parameters), this estimation is for reference only. General Power Supply 12 VDC, 1 A		Synchronous	4-ch			
Bandwidth Incoming bandwidth: 8 Mbps Remote 64 Connection TCP/IP, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, UPnP™, HTTPS Protocol Network Interface 1, RJ45 10/100 Mbps self-adaptive Ethernet interface Built-in 1024 GB eSSD (960 GB available) Note: The device can store about 2 weeks videos for 8-ch analog cameras (default parameters), this estimation is for reference only. Alarm In/Out OPTIONAL 4/1 USB Interface Rear panel: 2 × USB 2.0 Power Supply 12 VDC, 1 A		Playback	4 60			
Remote Connection Network Protocol Network Interface Auxiliary Interface Alarm In/Out Alarm In/Out General Remote Connection 64 TCP/IP, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, UPnP™, HTTPS TCP/IP, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, UPnP™, HTTPS 1, RJ45 10/100 Mbps self-adaptive Ethernet interface Built-in 1024 GB eSSD (960 GB available) Note: The device can store about 2 weeks videos for 8-ch analog cameras (default parameters), this estimation is for reference only. OPTIONAL 4/1 USB Interface Power Supply 12 VDC, 1 A		Total	96 Mbps			
NetworkConnection64Network ProtocolTCP/IP, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, UPnP™, HTTPSNetwork Interface1, RJ45 10/100 Mbps self-adaptive Ethernet interfaceAuxiliary InterfaceBuilt-in 1024 GB eSSD (960 GB available) Note: The device can store about 2 weeks videos for 8-ch analog cameras (default parameters), this estimation is for reference only.Alarm In/Out USB InterfaceOPTIONAL 4/1 Rear panel: 2 × USB 2.0GeneralPower Supply12 VDC, 1 A		Bandwidth	Incoming bandwidth: 8 Mbps			
Network Network Protocol Network Protocol Network Interface Auxiliary Interface Alarm In/Out Capacity Alarm In/Out OPTIONAL 4/1 USB Interface Connection Network I, RJ45 10/100 Mbps self-adaptive Ethernet interface Built-in 1024 GB eSSD (960 GB available) Note: The device can store about 2 weeks videos for 8-ch analog cameras (default parameters), this estimation is for reference only. Alarm In/Out OPTIONAL 4/1 USB Interface Power Supply 12 VDC, 1 A		Remote	64			
Network Protocol Network Interface Lapacity Auxiliary Interface Alarm In/Out USB Interface Network Interface TCP/IP, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, UPnP™, HTTPS 1, RJ45 10/100 Mbps self-adaptive Ethernet interface Built-in 1024 GB eSSD (960 GB available) Note: The device can store about 2 weeks videos for 8-ch analog cameras (default parameters), this estimation is for reference only. Alarm In/Out USB Interface Rear panel: 2 × USB 2.0 Power Supply Power Supply 12 VDC, 1 A	Network	Connection				
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Interface Built-in 1024 GB eSSD (960 GB available) Note: The device can store about 2 weeks videos for 8-ch analog cameras (default parameters), this estimation is for reference only. Alarm In/Out OPTIONAL 4/1 USB Interface Rear panel: 2 × USB 2.0 Power Supply 12 VDC, 1 A		Network	1. RJ45 10/100 Mbps self-adaptive Ethernet interface			
Auxiliary Interface Capacity The device can store about 2 weeks videos for 8-ch analog cameras (default parameters), this estimation is for reference only. Alarm In/Out OPTIONAL 4/1 USB Interface Rear panel: 2 × USB 2.0 Power Supply 12 VDC, 1 A		Interface	2, 10 10 20/ 200 Mopo Sell dadperte Efficillet interluce			
Auxiliary Interface Capacity The device can store about 2 weeks videos for 8-ch analog cameras (default parameters), this estimation is for reference only. Alarm In/Out OPTIONAL 4/1 USB Interface Rear panel: 2 × USB 2.0 Power Supply 12 VDC, 1 A	Auxiliary Interface	Capacity	Built-in 1024 GB eSSD (960 GB available)			
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Alarm In/Out OPTIONAL 4/1 USB Interface Rear panel: 2 × USB 2.0 Power Supply 12 VDC, 1 A						
USB Interface Rear panel: 2 × USB 2.0 Power Supply 12 VDC, 1 A			this estimation is for reference only.			
General Power Supply 12 VDC, 1 A		Alarm In/Out	OPTIONAL 4/1			
General		USB Interface	Rear panel: 2 × USB 2.0			
	General	Power Supply	12 VDC, 1 A			
		Consumption	≤ 8.2 W (with eSSD)			

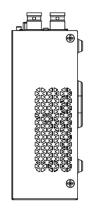


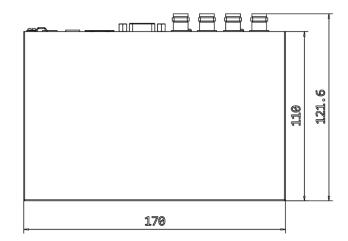
Working Temperature	-10 °C to 45 °C (14 °F to 113 °F)
Working Humidity	10% to 90%
Dimension (W × D × H)	170 × 121.6 × 46 mm (6.7 × 4.79 × 1.81 inch)
Weight	≤ 0.6 kg (with eSSD, 1.1 lb.)

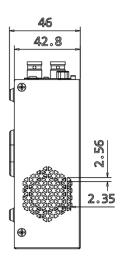


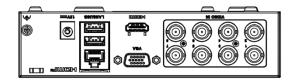
Dimension





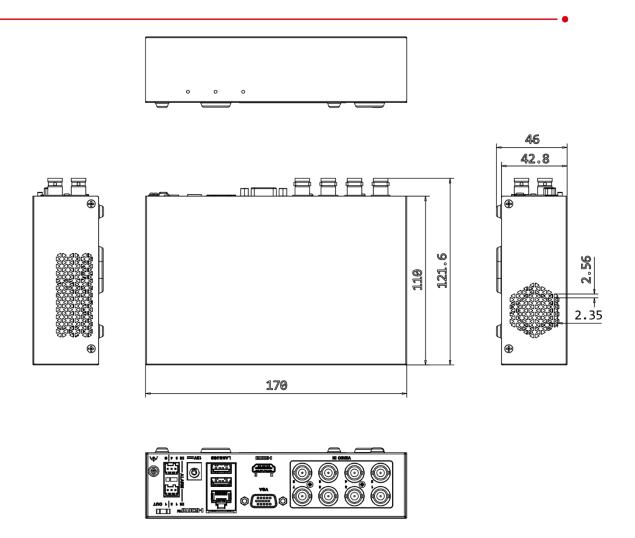






scale/1:1;Unit/m m

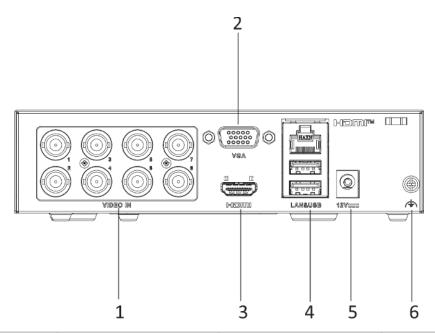




scale/1:1;Unit/mm

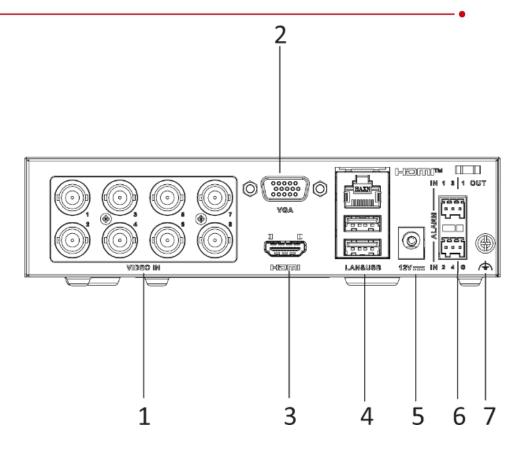


Physical Interface



No.	Description	No.	Description
1	Video and coaxial audio	4	LAN network interface
	in		and USB interface
2	VGA interface	5	Power supply
3	HDMI interface	6	GND





No.	Description	No.	Description
1	Video and coaxial audio in	5	Power supply
2	VGA interface	6	Alarm in and out
3	HDMI interface	7	GND
4	LAN network interface		
	and USB interface		

Available Model

iDS-E08HQHI-XB iDS-E08HQHI-XB/报警 4/1

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