iDS-E04HQHI-XD
4-ch 2MP 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

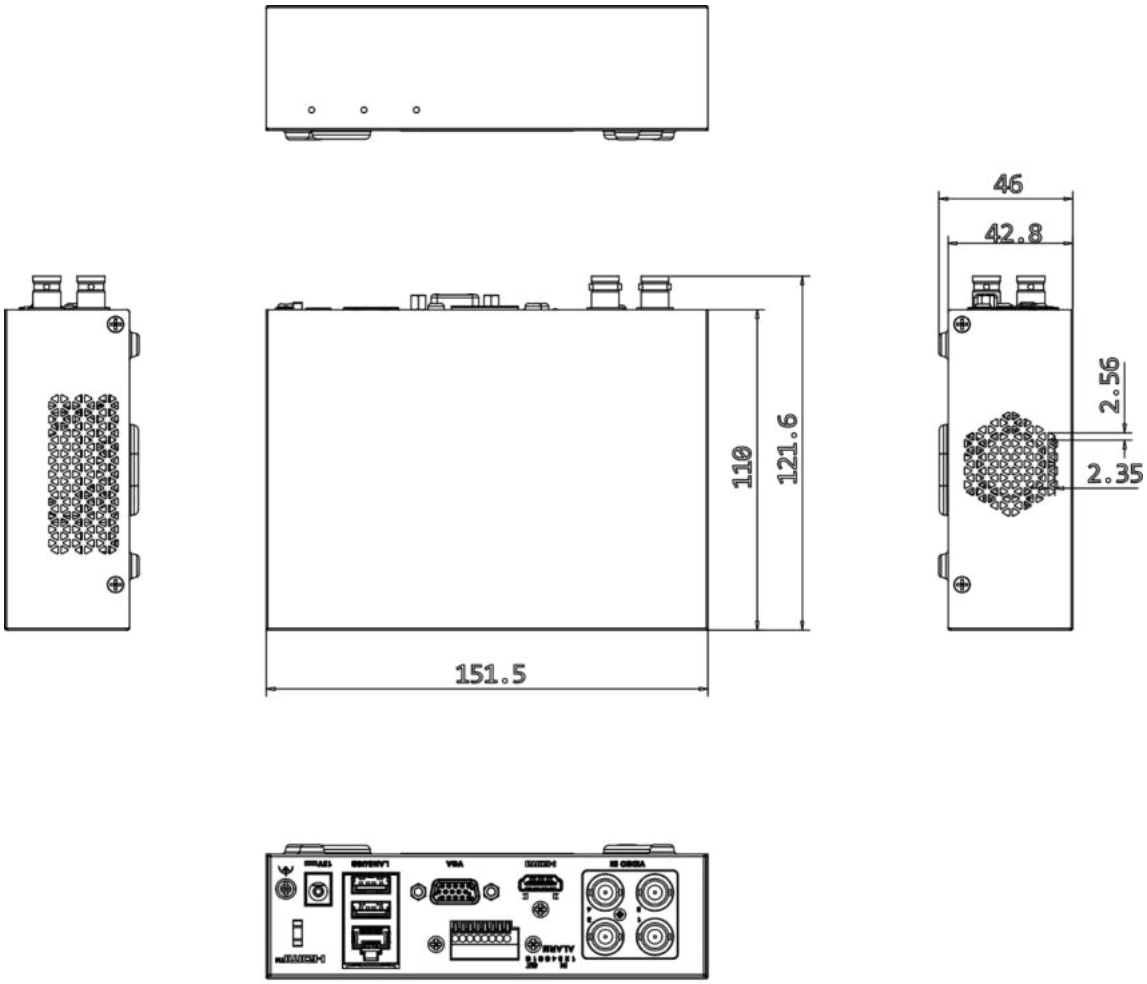
▪ Specification

Model		iDS-E04HQHI-XD
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 2-ch
Recording	Video Compression	H.265 Pro/H.265
	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/VGA/WD1/4CIF/CIF
	Frame Rate	Main stream: When 1080p Lite mode not enabled: For 3K stream access: 3K Lite@12 fps; 4 MP Lite/1080p@15 fps; 720p/WD1/4CIF/VGA/CIF@20 fps For 5 MP stream access: 5 MP Lite@12fps; 4 MP Lite/1080p@15 fps; 720p/WD1/4CIF/VGA/CIF@20 fps For 4 MP stream access: 4 MP Lite/1080p@15 fps; 720p/WD1/4CIF/VGA/CIF@25 fps (P)/30 fps (N) For 1080p stream access: 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: 3K Lite/5 MP Lite@12fps; 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 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.

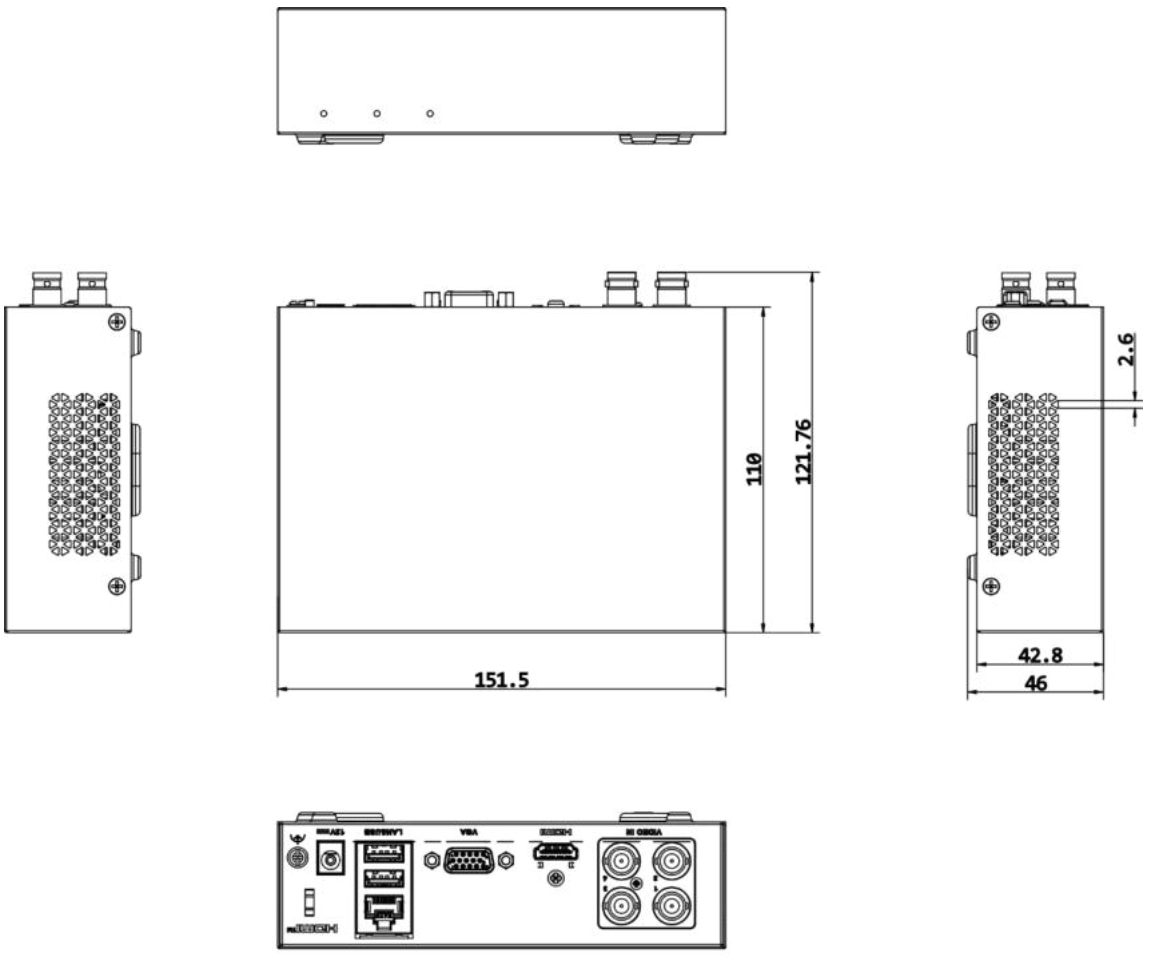
	Audio Compression	G.711u
	Audio Bitrate	64 Kbps
Video and Audio	IP Video Input	1-ch Up to 6 MP resolution Support H.265+/H.265 IP cameras
	Analog Video Input	4-ch BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection
	HDTVI Input	5 MP@20 fps, 3K@20 fps, 4 MP@30 fps, 4 MP@25 fps, 1080p@30 fps, 1080p@25 fps, 720p@60 fps, 720p@50 fps, 720p@30 fps, 720p@25 fps
	AHD Input	4 MP@30 fps, 4 MP@25 fps, 1080p@30 fps, 1080p@25 fps, 720p@30 fps, 720p@25 fps
	HDCVI Input	4 MP@30 fps, 4 MP@25 fps, 1080p@30 fps, 1080p@25 fps, 720p@30 fps, 720p@25 fps
	CVBS Input	Support
	HDMI Output	1-ch, 1920 × 1080/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz
	Video Output Mode	HDMI/VGA simultaneous output
	VGA Output	1-ch, 1920 × 1080/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz
	Audio Input	4-ch via coaxial cable
	Audio Output	1-ch via HDMI
	Synchronous playback	4-ch
Network	Total Bandwidth	72 Mbps Incoming bandwidth: 4 Mbps
	Remote Connection	32
	Network Protocol	TCP/IP, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, UPnP™, HTTPS
	Network Interface	1, RJ45 10/100 Mbps self-adaptive Ethernet interface
Auxiliary Interface	Capacity	Built-in 1024 GB eSSD (960 GB available) Note: The device can store about 4 weeks videos for 4-ch analog cameras (default parameters), this estimation is for reference only
	USB Interface	Rear panel: 2 × USB 2.0
	Alarm In/Out	OPTIONAL 4/1
General	Power Supply	12 VDC, 1 A

	Consumption	≤ 5.4 W (with eSSD)
	Working Temperature	-10 °C to 45 °C (14 °F to 113 °F)
	Working Humidity	10% to 90%
	Dimension (W × D × H)	151 × 121 × 46 mm (5.94 × 4.76 × 1.81 inch)
	Weight	≤ 0.5 kg (with eSSD, 1.1 lb.)

Dimension

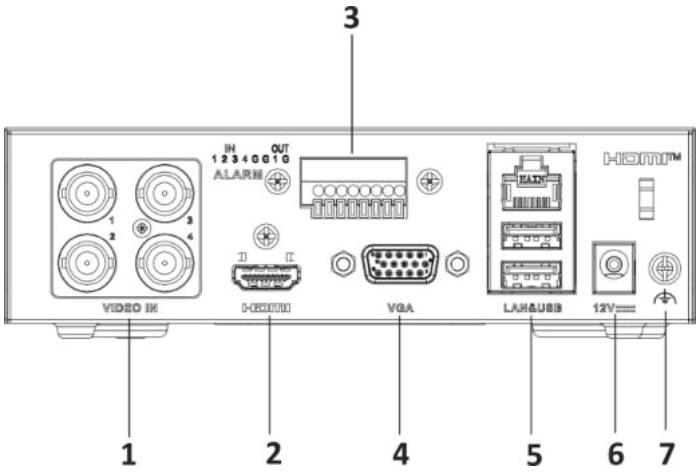


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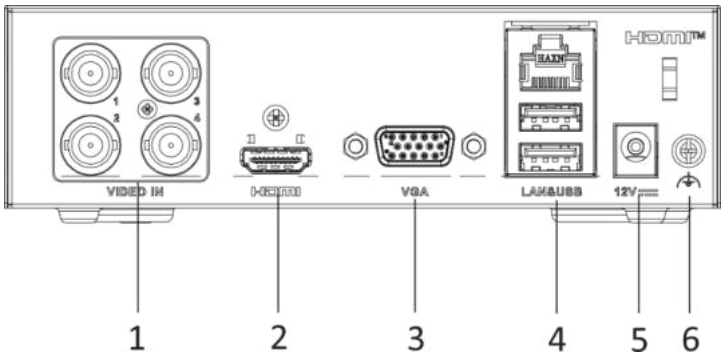


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Physical Interface



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



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

Available Model

iDS-E04HQHI-XD

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

Key Feature



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- 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



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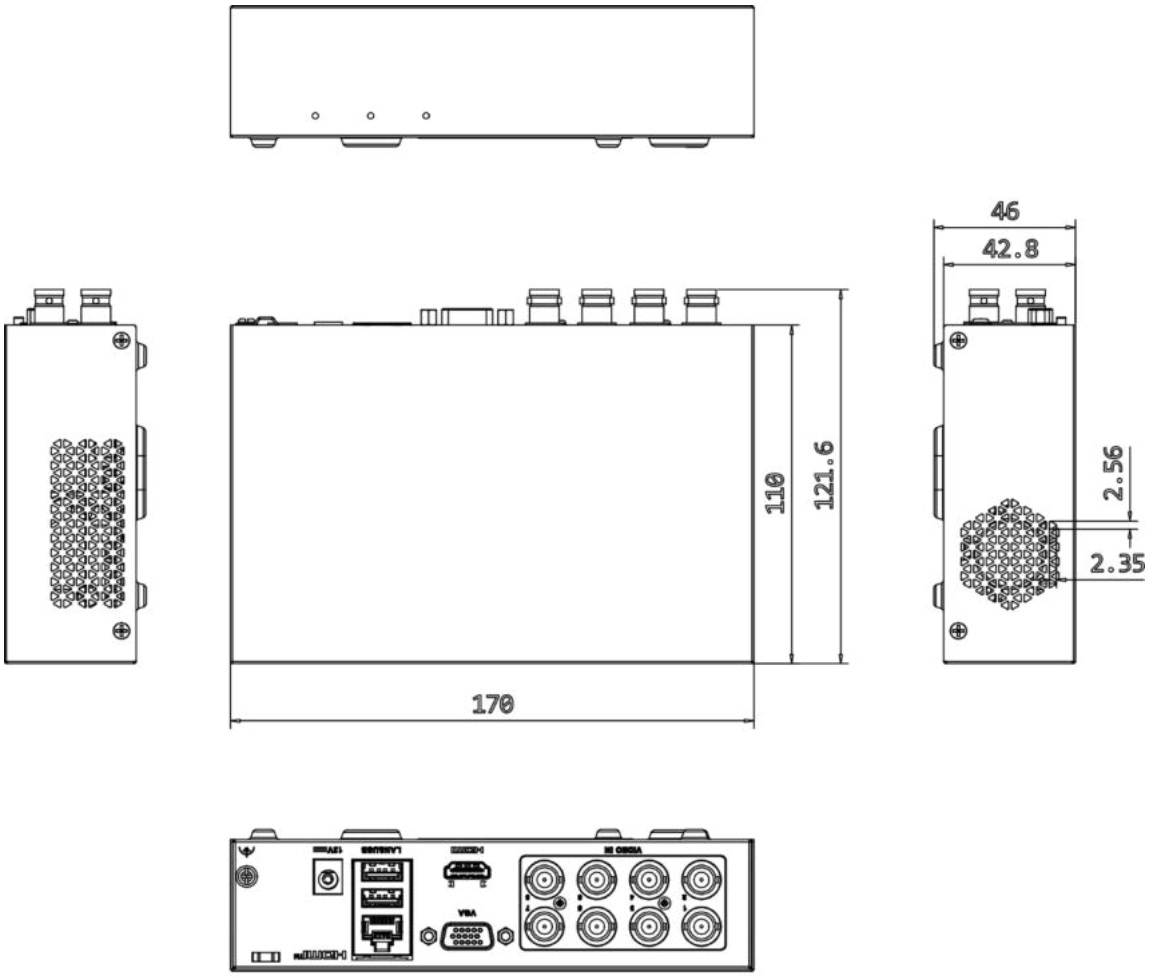
▪ Specification

Model		iDS-E08HQHI-XB
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 4-ch
Recording	Video Compression	H.265 Pro/H.265
	Encoding Resolution	When 1080p Lite mode is not enabled: 5MPLite/3KLite/4MPLite/1080p/720p/WD1/4CIF; 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) For 1080p stream access: 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 Compression	G.711u
	Audio Bitrate	64 Kbps

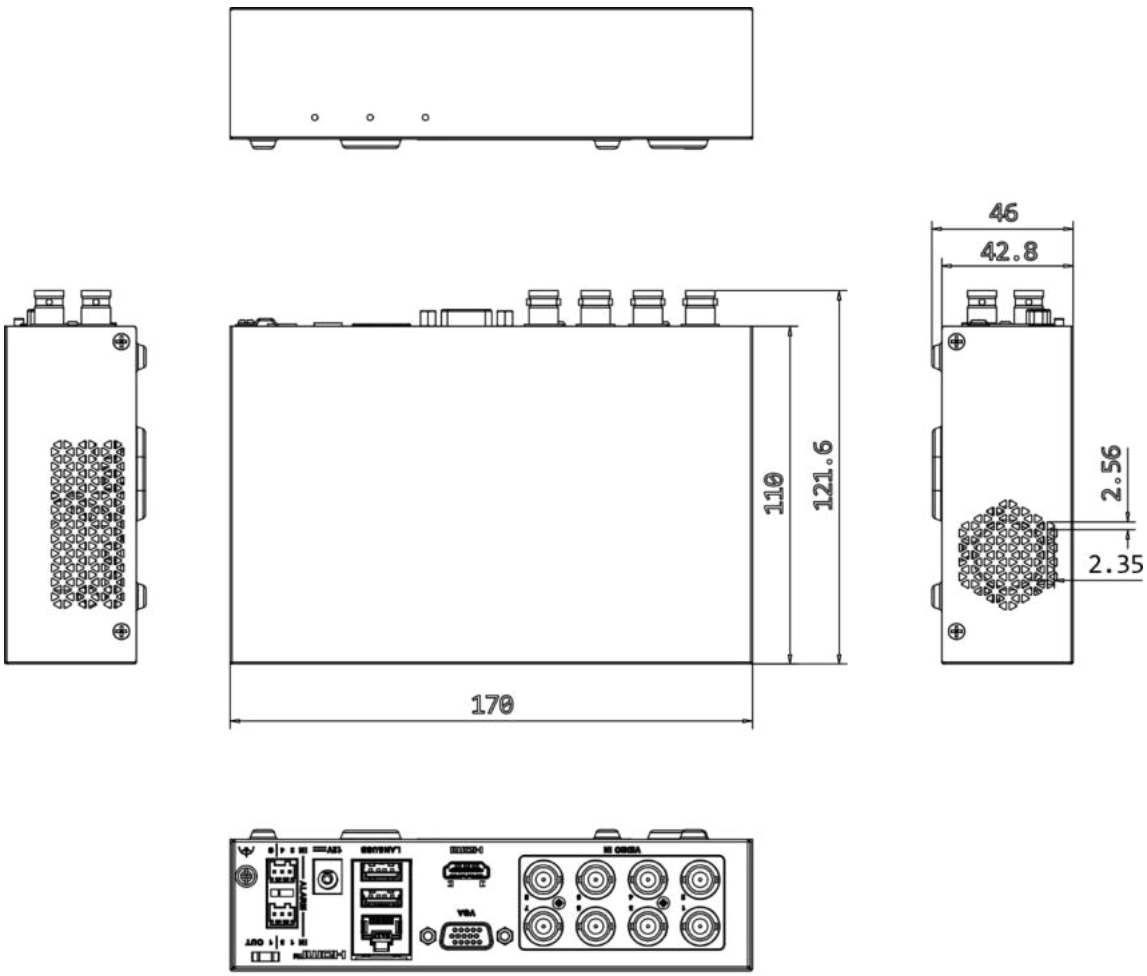
Video and Audio	IP Video Input	2-ch Up to 6 MP resolution Support H.265+/H.265 IP cameras
	Analog Video Input	8-ch BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection
	HDTVI Input	3K@20 fps, 5 MP@20 fps, 4 MP@30 fps, 4 MP@25 fps,1080p@30 fps, 1080p@25 fps,720p@30 fps, 720p@25 fps, 720p50, 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
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	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	HDMI/VGA simultaneous output
	Audio Input	8-ch via coaxial cable
	Audio Output	1-ch via HDMI
	Synchronous Playback	4-ch
Network	Total Bandwidth	96 Mbps Incoming bandwidth: 8 Mbps
	Remote Connection	64
	Network Protocol	TCP/IP, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, UPnP™, HTTPS
	Network Interface	1, RJ45 10/100 Mbps self-adaptive Ethernet interface
Auxiliary Interface	Capacity	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
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

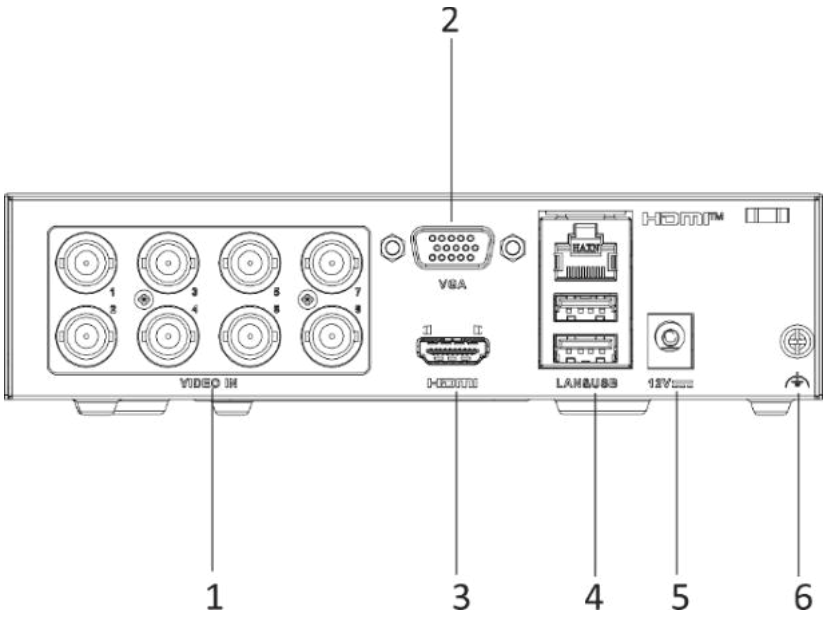


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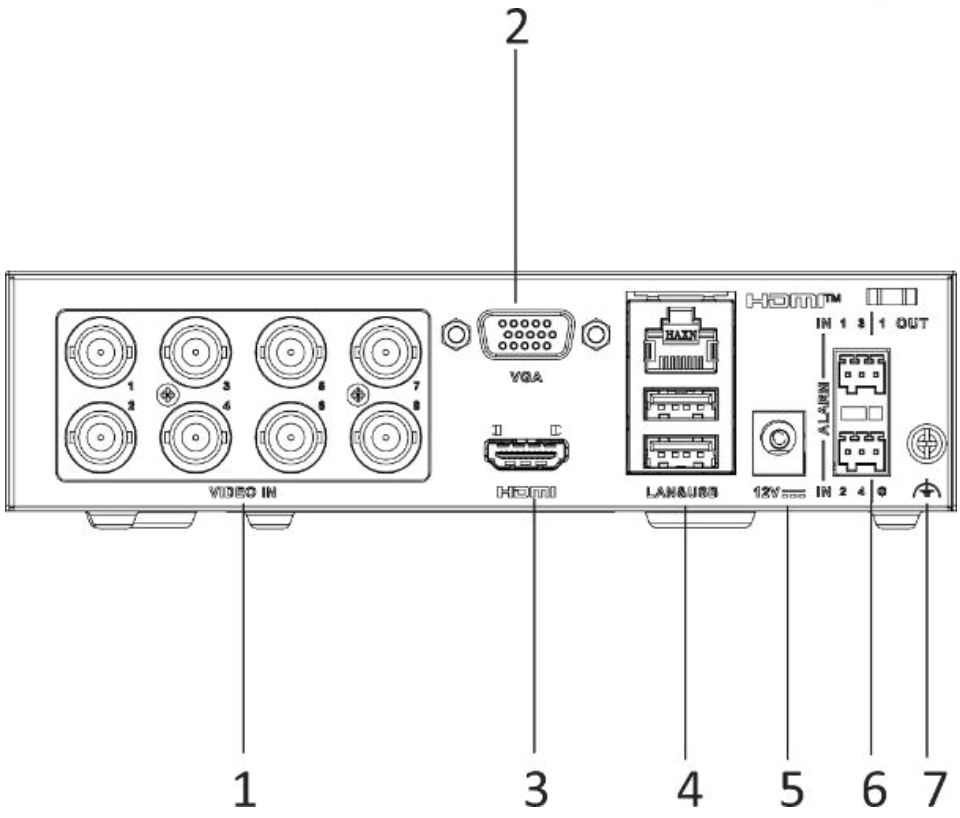


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2	VGA interface	5	Power supply
3	HDMI interface	6	GND



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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

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