

DS-7104HGHI-K1 TURBO HD DVR

Key Feature

- Deep learning based human and vehicle targets classification of Motion Detection 2.0
- H.265 Pro+/H.265 Pro/H.265/H.264+/H.264 video compression
- HDTVI/AHD/CVI/CVBS/IP video input
- Audio via coaxial cable
- Up to 5-ch IP camera inputs (up to 2 MP)
- Up to 1080p Lite@15 fps encoding capability
- Max. 1200 m for 720p HDTVI signal



Smart Function

• Deep learning-based motion detection 2.0

Compression and Recording

- H.265 Pro+ video compression improves encoding efficiency, and reduces data storage costs
- Support 1080p Lite of all channels. When 1080p Lite is on, the image effect is similar with 1080p

Storage and Playback

- 1 SATA interface (up to 4 TB capacity)
- Smart search for efficient playback

Network & Ethernet Access

• Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management



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Specification

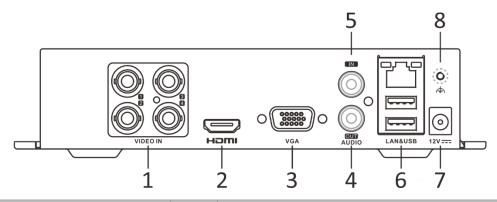
Motion Detection 2.0				
Human/Vehicle Analysis	Deep learning-based motion detection 2.0 is enabled by default for all analog channels, it			
	can classify human and vehicle, and extremely reduce false alarms caused by objects like			
	leaves and lights;			
	Quick search by object or event type is supported;			
Recording				
Video Compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264			
	For 1080p stream access: 1080p Lite/720p Lite/WD1/4CIF/VGA/CIF			
Encoding Resolution	For 720p stream access: 720p/WD1/4CIF/VGA/CIF			
	For SD stream access: WD1/4CIF/VGA/CIF			
	Main stream:			
	For 1080p stream access: 1080p Lite/720p Lite/WD1/4CIF/VGA/CIF@25 fps(P)/30 fps (N)			
Frama Pata	For 720p stream access: 720p/WD1/4CIF/VGA/CIF@ 25fps (P)/30 fps (N)			
Frame Rate	For SD stream access: WD1/4CIF/VGA/CIF@25 fps (P)/30 fps (N)			
	Sub-stream:			
	4CIF@15fps; CIF/QVGA@25 fps (P)/30 fps (N)			
Video Bitrate	32 Kbps to 4 Mbps			
Stream Type	Video, Video & Audio			
Audio Compression	G.711u			
Audio Bitrate	64 Kbps			
Video and Audio				
	1-ch (up to 5-ch)			
IP Video Input	Up to 1080p resolution			
	Support H.265+/H.265/H.264+/H.264 IP cameras			
Analog Video Input	4-ch			
Analog Video Input	BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection			
HDTVI Input	1080p25, 1080p30, 720p25, 720p30			
AHD Input	1080p25, 1080p30, 720p25, 720p30			
HDCVI Input	1080p25, 1080p30, 720p25, 720p30			
CVBS Input	Support			
HDMI Output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz			
VGA Output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz			
Video Output Mode	HDMI/VGA simultaneous output			
Audio Input	1-ch RCA (2.0 Vp-p, 1 KΩ)			
Audio Input	4-ch via coaxial cable			



Audio Output1-ch, RCA (Linear, 1 KΩ)Two-Way AudioReuse the first audio inputSynchronous playback4-chNetworkMathematical State S				
Synchronous playback4-chNetworkTotal Bandwidth64 MbpsNetwork ProtocolTCP/IP, PPPOE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, ISCSI, UPnP**, HTTPSRemote Connection32Network Interface1, RI45 10/100 Mbps self-adaptive Ethernet interfaceAuxiliary Interface1SATA1 SATA interfaceCapacityUp to 4 TB capacity for each diskUSB InterfaceRear panel: 2 × USB 2.0Alarm In/OutN/AGeneralPower Supply12 VDC, 1.5 AConsumption<16 W (without HDD)	Audio Output	1-ch, RCA (Linear, 1 KΩ)		
NetworkTotal Bandwidth64 MbpsNetwork ProtocolTCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP ^{IM} , HTTPSRemote Connection32Network Interface1, RI45 10/100 Mbps self-adaptive Ethernet interfaceAuxiliary Interface1SATA1 SATA interfaceCapacityUp to 4 TB capacity for each diskUSB InterfaceRear panel: 2 × USB 2.0Alarm In/OutN/AGeneralPower Supply12 VDC, 1.5 AConsumption<16 W (without HDD)	Two-Way Audio	Reuse the first audio input		
Total Bandwidth64 MbpsNetwork ProtocolTCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP ^m , HTTPSRemote Connection32Network Interface1, RJ45 10/100 Mbps self-adaptive Ethernet interfaceAuxiliary Interface1, RJ45 10/100 Mbps self-adaptive Ethernet interfaceSATA1 SATA interfaceCapacityUp to 4 TB capacity for each diskUSB InterfaceRear panel: 2 × USB 2.0Alarm In/OutN/AGeneralPower Supply12 VDC, 1.5 AConsumption<16 W (without HDD)	Synchronous playback	4-ch		
Network ProtocolTCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™, HTTPSRemote Connection32Network Interface1, RJ45 10/100 Mbps self-adaptive Ethernet interfaceAuxiliary Interface1SATA1 SATA interfaceCapacityUp to 4 TB capacity for each diskUSB InterfaceRear panel: 2 × USB 2.0Alarm In/OutN/AGeneralPower Supply12 VDC, 1.5 AConsumption<16 W (without HDD)	Network			
Remote Connection32Network Interface1, RJ45 10/100 Mbps self-adaptive Ethernet interfaceAuxiliary InterfaceSATA1 SATA interfaceCapacityUp to 4 TB capacity for each diskUSB InterfaceRear panel: 2 × USB 2.0Alarm In/OutN/AGeneralPower Supply12 VDC, 1.5 AConsumption≤ 16 W (without HDD)Working Temperature-10 °C to 55 °C (14 °F to +31 °F)Working Humidity10% to 90%Dimension (W × D × H)200 × 45 mm (7.9 × 7.9 × 1.8 inch)	Total Bandwidth	64 Mbps		
Network Interface1, RJ45 10/100 Mbps self-adaptive Ethernet interfaceAuxiliary InterfaceSATA1 SATA interfaceCapacityUp to 4 TB capacity for each diskUSB InterfaceRear panel: 2 × USB 2.0Alarm In/OutN/AGeneralPower Supply12 VDC, 1.5 AConsumption< 16 W (without HDD)	Network Protocol	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™, HTTPS		
Auxiliary InterfaceSATA1 SATA interfaceCapacityUp to 4 TB capacity for each diskUSB InterfaceRear panel: 2 × USB 2.0Alarm In/OutN/AGeneralPower Supply12 VDC, 1.5 AConsumption≤ 16 W (without HDD)Working Temperature-10 °C to 55 °C (14 °F to +31 °F)Working Humidity10% to 90%Dimension (W × D × H)200 × 200 × 45 mm (7.9 × 7.9 × 1.8 inch)	Remote Connection	32		
SATA1 SATA interfaceCapacityUp to 4 TB capacity for each diskUSB InterfaceRear panel: 2 × USB 2.0Alarm In/OutN/AGeneralPower Supply12 VDC, 1.5 AConsumption<16 W (without HDD)	Network Interface	1, RJ45 10/100 Mbps self-adaptive Ethernet interface		
CapacityUp to 4 TB capacity for each diskUSB InterfaceRear panel: 2 × USB 2.0Alarm In/OutN/AGeneralPower Supply12 VDC, 1.5 AConsumption<16 W (without HDD)	Auxiliary Interface			
USB InterfaceRear panel: 2 × USB 2.0Alarm In/OutN/AGeneralPower Supply12 VDC, 1.5 AConsumption≤ 16 W (without HDD)Working Temperature-10 °C to 55 °C (14 °F to +31 °F)Working Humidity10% to 90%Dimension (W × D × H)200 × 200 × 45 mm (7.9 × 7.9 × 1.8 inch)	SATA	1 SATA interface		
Alarm In/OutN/AGeneralPower Supply12 VDC, 1.5 AConsumption≤16 W (without HDD)Working Temperature-10 °C to 55 °C (14 °F to +31 °F)Working Humidity10% to 90%Dimension (W × D × H)200 × 45 mm (7.9 × 7.9 × 1.8 inch)	Capacity	Up to 4 TB capacity for each disk		
GeneralPower Supply12 VDC, 1.5 AConsumption<16 W (without HDD)	USB Interface	Rear panel: 2 × USB 2.0		
Power Supply12 VDC, 1.5 AConsumption<16 W (without HDD)	Alarm In/Out	N/A		
Consumption ≤ 16 W (without HDD)Working Temperature -10 °C to 55 °C (14 °F to +31 °F)Working Humidity10% to 90%Dimension (W × D × H) $200 \times 200 \times 45$ mm (7.9 × 7.9 × 1.8 inch)	General			
Working Temperature-10 °C to 55 °C (14 °F to +31 °F)Working Humidity10% to 90%Dimension (W × D × H)200 × 200 × 45 mm (7.9 × 7.9 × 1.8 inch)	Power Supply	12 VDC, 1.5 A		
Working Humidity 10% to 90% Dimension (W × D × H) 200 × 200 × 45 mm (7.9 × 7.9 × 1.8 inch)	Consumption	≤ 16 W (without HDD)		
Dimension (W × D × H) $200 × 200 × 45 mm (7.9 × 7.9 × 1.8 inch)$	Working Temperature	-10 °C to 55 °C (14 °F to +31 °F)		
	Working Humidity	10% to 90%		
Weight ≤ 0.8 kg (without HDD, 1.8 lb.)	Dimension ($W \times D \times H$)	200 × 200 × 45 mm (7.9 × 7.9 × 1.8 inch)		
	Weight	\leq 0.8 kg (without HDD, 1.8 lb.)		



Physical Interface



No.	Description	No.	Description
1	Video and coaxial audio in	5	AUDIO IN, RCA connector
2	HDMI interface	6	LAN network interface and USB interface
3	VGA interface	7	12 VDC power input
4	AUDIO OUT, RCA connector	8	GND

Available Model

DS-7104HGHI-K1

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