

DS-7200HWI-E1/E2

Series Smart HDVR

Introduction

DS-7200HWI-E/E2 series Smart HDVR (Hybrid Digital Video Recorder) is a new generation recorder developed by Hikvision independently which can connect analog cameras, coaxitron cameras and network cameras, and provide powerful surveillance. Combined with multiple advanced technologies, such as audio and video encoding & decoding technology, embedded system technology, storage technology, VCA technology and network technology, it can both work alone as a recorder and cooperate with other devices to build a comprehensive surveillance system.

Available Models

DS-7204HWI-E1, DS-7208HWI-E1, DS-7216HWI-E1;
DS-7208HWI-E2, DS-7216HWI-E2

Main Features

- Connectable to the network cameras/domes, analog cameras/domes and Coaxitron cameras/domes (with HIKVISION-C or PELCO-C Coaxitron protocol).
- Main stream supports up to WD1 resolution and sub stream supports CIF/QCIF resolution.
- Simultaneous HDMI/VGA and CVBS outputs.
- HDMI/VGA output at up to 1920×1080P resolution.
- Channel-zero encoding.
- Support dual stream.
- Video quality diagnostics.
- VCA detection alarm (line crossing detection and intrusion detection) is supported.
- HDD quota management; different capacity can be assigned to different channel.
- Holiday recording schedule configuration.
- Smart searching for the event triggered record files.
- Smart playback for record files of the analog cameras.
- Digital zoom of video in live view or playback mode.
- Up to 16-ch synchronous playback.
- DS-7200HWI-E1 can be connected with 1 HDD and DS-7200HWI-E2 with 2 HDDs.
- Support HIKVISION-C and PELCO-C Coaxitron protocols.
- 1 self-adaptive 10M/100M network interface.
- IPv6 is supported.
- Network detection function.
- NTP, SMTP, NFS, UPnP™ and iSCSI protocols supported.
- Support alarm push notification (in live video or playback) on the linked mobile phones when alarm event occurs.



Physical Interfaces

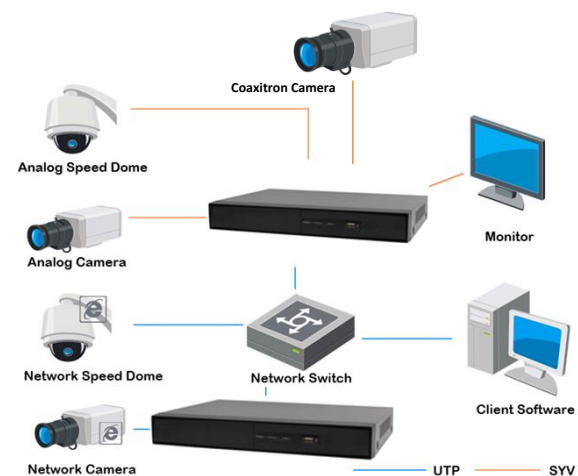
DS-7216HWI-E2



Note: The rear panel of DS-7204HWI-E1 and DS-7208HWI-E1/E2 provide 4 and 8 video input interfaces respectively.

- ① VIDEO IN
- ② VIDEO OUT
- ③ USB Interface
- ④ HDMI Interface
- ⑤ VGA Interface
- ⑥ AUDIO IN, RCA Connector
- ⑦ AUDIO OUT, RCA Connector
- ⑧ LAN Network Interface
- ⑨ RS-485 Serial Interface
- ⑩ 12VDC Power Input
- ⑪ Power Switch
- ⑫ GND

Typical Application



Specifications

Model		DS-7204HWI-E1	DS-7208HWI-E2	DS-7216HWI-E2
Video/Audio input	Video compression	H.264		
	Analog video input	4-ch	8-ch	16-ch
	IP video input	1-ch	2-ch	2-ch
		Up to 720P resolution	Up to 1080P resolution	
	Video input interface	BNC (1.0 Vp-p, 75 Ω), PAL /NTSC self-adaptive		
	Audio compression	G.711u		
	Audio input	1-ch, RCA (2.0 Vp-p, 1 kΩ)		
Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 kΩ) (using the audio input)			
Video/Audio output	HDMI/VGA output	1-ch, resolution: 1080P: 1920×1080/60Hz, SXGA: 1280×1024/60Hz, 720P: 1280×720/60Hz, XGA: 1024×768/60Hz		
	CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480		
	Encoding resolution	WD1 / 4CIF / 2CIF / CIF / QCIF		
	Frame rate	25 fps (P) / 30 fps (N)		
	Video bit rate	32 Kbps ~ 3072 Kbps, or user defined (Max. 3072 Kbps)		
	Audio output	1-ch, RCA (Linear, 1 kΩ)		
	Audio bit rate	64 Kbps		
	Dual-stream	Support; sub-stream @ CIF/ QCIF		
	Stream type	Video, Video & Audio		
	Synchronous playback	4-ch	8-ch	16-ch
Hard disk	SATA	1 SATA interface	2 SATA interfaces	
	Capacity	Up to 4TB capacity for each disk		
External interface	Network interface	1, RJ45 10M / 100M Ethernet interface		
	Serial interface	1 RS-485 interface, half-duplex		
	USB interface	2, USB 2.0		
General	Power supply	12 VDC		
	Consumption (without hard disk or DVD-R/W)	≤ 10 W	≤ 15 W	≤ 20 W
	Working temperature	-10 °C ~+55 °C		
	Working humidity	10% ~ 90%		
	Dimensions (W × D × H)	315 × 242 × 45 mm	380 × 290 × 48 mm	
	Weight (without hard disk or DVD-R/W)	≤ 2 kg	≤ 4 kg	

Model		DS-7208HWI-E1	DS-7216HWI-E1	
Video/Audio input	Video compression	H.264		
	Analog video input	8-ch	16-ch	
	IP video input	2-ch	2-ch	
		Up to 1080P resolution		
	Video input interface	BNC (1.0 Vp-p, 75 Ω), PAL /NTSC self-adaptive		
	Audio compression	G.711u		
	Audio input	1-ch, RCA (2.0 Vp-p, 1 kΩ)		
Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 kΩ) (using the audio input)			
Video/Audio output	HDMI/VGA output	1-ch, resolution: 1080P: 1920×1080/60Hz, SXGA: 1280×1024/60Hz, 720P: 1280×720/60Hz, XGA: 1024×768/60Hz		
	CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480		
	Encoding resolution	WD1/4CIF/2CIF/CIF/QCIF		
	Frame rate	25 fps (P) / 30 fps (N)		
	Video bit rate	32 Kbps ~ 3072 Kbps, or user defined (Max. 3072 Kbps)		
	Audio output	1-ch, RCA (Linear, 1 kΩ)		
	Audio bit rate	64 Kbps		
	Dual-stream	Support; Sub-stream: CIF / QCIF @ 25 fps (P) / 30 fps (N)		
	Stream type	Video, Video & Audio		
	Synchronous playback	8-ch	16-ch	
Hard disk	SATA	1 SATA interface		
	Capacity	Up to 4TB capacity		
External interface	Network interface	1, RJ45 10M / 100M Ethernet interface		
	Serial interface	1 RS-485 interface, half-duplex		
	USB interface	2, USB 2.0		
General	Power supply	12 VDC		
	Consumption (without hard disk or DVD-R/W)	≤ 10 W	≤ 15 W	
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