



DS-8100AHWI-SP Series

ATM Dedicated Hybrid DVR

Introduction:

DS-8100AHWI-SP series HDVR (Hybrid Digital Video Recorder) is a new generation recorder developed by Hikvision independently which can both connect analog and network cameras and provide powerful monitoring functionality. Combined with multiple advanced technologies, such as audio and video encoding & decoding technology, embedded system technology, storage technology, network technology and intelligent technology. It can both work alone as a recorder and cooperate with other devices to build a comprehensive surveillance system.

Thanks to these features, the DS-8100AHWI-SP series HDVR is widely applied to the surveillance projects of finance, securities trading, etc.

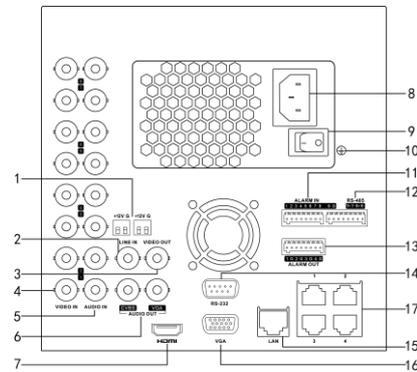
Available Models:

DS-8104AHWI-SP; DS-8108AHWI-SP

Main Features:

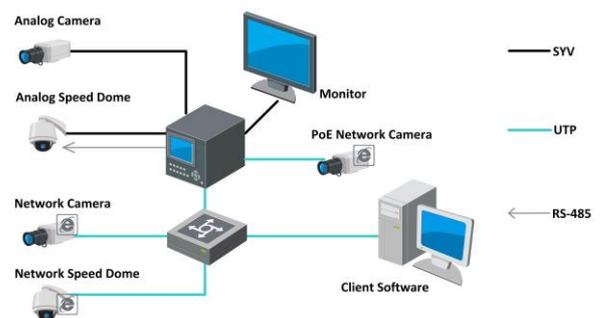
- HDMI, VGA and CVBS outputs; simultaneous HDMI and VGA outputs at up to 1920×1080P resolution;
- Connectable to analog cameras, network cameras, analog speed domes, network speed domes and video encoders;
- Connectable to the third-party network cameras like ACTI, Arecont, AXIS, Brickcom, Bosch, Canon, PANASONIC, Pelco, SAMSUNG, SANYO, SONY, Vivotek and ZAVIO;
- Up to WD1 encoding resolution is supported for the analog cameras;
- Configurable redundant recording, holiday recording and capture schedule
- Providing multiple modes and protocols for ATM transaction information text overlay;
- Command recording and capture triggered by ATM transaction;
- Searching and playing back of record files by transaction card No., transaction amount, transaction behaviour, etc.
- Privacy mask providing protection for sensitive information;
- Instant playback for assigned camera during multi-channel live view;
- Support up to 4-ch synchronous playback at WD1 resolution; and reverse playback for multi-camera;
- Smart playback to go through less effective information;
- Smart search for the selected area in the video;
- Customization of tags, searching and playing back by tags;
- Locking and unlocking record files;
- Support HDD quota and group management; different capacity can be assigned to different cameras under quota mode;
- Provide up to 4 SATA interfaces for recording;
- Support Channel-zero encoding to decrease the bandwidth requirement when viewing multiple cameras;
- Network detection function;
- 4 PoE network interfaces supporting plug-and-play function for connected IP cameras.

Physical Interfaces:



Index	Name
1	DC12V/1A Power Supply
2	LINE IN
3	VIDEO OUT
4	VIDEO IN
5	AUDIO IN
6	AUDIO OUT
7	HDMI
8	AC 100-240V, 50~60Hz
9	POWER
10	GND
11	ALARM IN
12	RS-485 Interface
13	ALARM OUT
14	RS-232 Interface
15	LAN Interface
16	VGA
17	PoE Interface

Typical Application:



Specifications:

Model		DS-8104AHWI-SP	DS-8108AHWI-SP
Video/Audio input	Analog video input	4-ch	8-ch
		BNC(1.0Vp-p, 75Ω), PAL/NTSC self-adaptive	
	IP video input	8-ch	8-ch
	Composite video input	Up to 8-ch (Analog video + IP video)	Up to 12-ch (Analog video + IP video)
	Audio input	4-ch	8-ch
		BNC (2.0 Vp-p, 1 KΩ)	
	Recording resolution	5MP / 3MP / 1080p / UXGA / 720p / VGA / WD1 / 4CIF / DCIF / 2CIF / CIF / QCIF	
	Two-way audio	1-ch, BNC (2.0Vp-p, 1KΩ)	
Incoming bandwidth	40Mbps		
Video/Audio output	HDMI output	1-ch; 1920 × 1080 / 60 Hz (1080P), 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz	
	VGA output	1-ch; 1920 × 1080 / 60 Hz (1080P), 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz	
	CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704×576, NTSC: 704×480	
	Audio output	2-ch, BNC (Linear, 600 Ω)	
Encoding/Decoding Parameters	Video compression	H.264	
	Encoding resolution	Main stream: WD1 / 4CIF / 2CIF / CIF / QCIF	
		Sub-stream: CIF / QCIF	
	Frame rate	Main stream: 25 fps (P) / 30 fps (N)	
		Sub-stream: 25 fps (P) / 30 fps (N)	
	Video bitrate	32 Kbps ~ 3072Kbps	
	Audio compression	G711_U	
	Audio bitrate	64Kbps	
	Dual-stream	Support	
Stream type	Video, Video & Audio		
Synchronous playback	4-ch		
Hard disk	SATA	4 SATA interfaces	
	Capacity	Up to 4TB capacity for each disk	
External interface	Network interface	1; 10M/100M/1000M self-adaptive Ethernet interface 4, 10M/100M self-adaptive PoE network interface	
	Serial interface	1, RS-232; 1, RS-485	
	USB port	2 × USB2.0	
	Alarm in	9	

	Alarm out	4
	Power supply (for external device)	2-ch, DC 12V/1A
General	Power supply	AC 100-240V, 50~60Hz
	Consumption	Max. 30W (without hard disk or PoE camera)
	Working temperature	-10 °C ~ +55 °C (14 °F ~ 131 °F)
	Working humidity	10% ~ 90%
	Dimensions (W × D × H)	180 × 280 × 180 mm
	Weight	Approx. 5 kg / 11.02lbs (without hard disk)