Kodio

HD DVR-8104/8108/8116
1080P Realtime Recording DVR
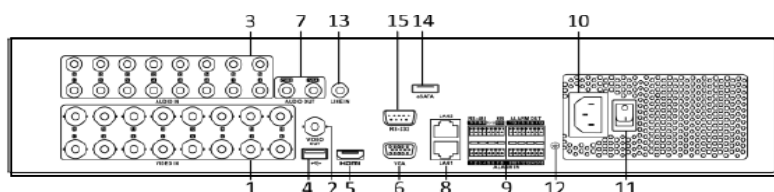
Key Features

- Connectable to HD-TV1 and analog cameras.
- Connectable to the Coaxitron camera/dome with long transmission distance.
- Simultaneous HDMI, VGA and CVBS outputs; HDMI output and VGA output at up to 1920 x 1080P resolution.
- New GUI and support starting record with one key.
- Redundant recording and holiday recording schedule configuration.
- Instant playback for assigned camera during multi-channel live view mode.
- Support up to 16ch synchronous playback at 1080P resolution, and reverse playback for multi-channel.
- Smart playback to go through less effective information.
- Manual video quality diagnostics.
- 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 8 SATA interfaces and 1 eSATA interface for record and backup.
- 2 self-adaptive 10M/100M/1000M network interfaces and 3 working modes are configurable: multi-address, load balance, network fault tolerance.
- Support Kodio DDNS (Dynamic Domain Name System);
- Support Channel-zero encoding to decrease the bandwidth requirement when viewing multiple cameras
- Network detection function.

Introduction

DVR-8100 series DVR (Digital Video Recorder) is a new generation recorder developed by Kodio independently which can connect HD analog cameras and provide powerful surveillance. 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 corporate with other devices to build a comprehensive surveillance system.

Physical Interfaces

Index	Name	Index	Name
1	VIDEO IN	9	RS-485 Serial Interface, Keyboard Interface, ALARM IN and ALARM OUT
2	VIDEO OUT	10	100 ~ 240 AV Power Input
3	AUDIO IN, RCA Connector	11	Power Switch
4	USB Port	12	GND
5	HDMI Interface	13	LINE IN
6	VGA Interface	14	eSATA Interface
7	CVBS AUDIO OUT and VGA AUDIO OUT	15	RS-232 Serial Port
8	LANI LAN2 Network Interface		

Item		HD DVR-8104	HD DVR-8108	HD DVR-8116
Video/ Audio Input	Video compression	H.264		
	Analog and HD-TVI video input	4-CH	8CH	16CH
		BNC interface (1.0Vp-p, 75Ω)		
	Support camera types	720P25, 720P30, 720P50, 720P60,1080P25, 1080P30, CVBS		
	Audio compression	G.711u		
	Audio input / Two-way audio in	RCA (2.0Vp-p, 1kΩ) / 1-ch, RCA (2.0 Vp-p, 1 kΩ)		
Video / Audio output	HDMI / VGA output	1920 x 1080 / 60Hz, 1280 x 1024 / 60Hz, 1280 x 720 / 60Hz, 1024 x 768 / 60Hz		
	CVBS output	1-ch, BNC (1.0 Vp-p, 75Ω), resolution: PAL:704 x 756, NTSC: 704 x 480		
	Encoding resolution	Main stream : 1080P/ 720P / VGA/ WDI / 4CIF / CIF		
		Sub-stream: WDI (non-real-time) / 4 CIF (non-real-time) / CIF / QCIF / QVGA		
	Frame rate	Main stream : 1/16fps ~ Real time frame rate		
		Sub-stream : 1/16 fps ~Real time frame rate		
	Video bitrate	32Kbps- 10 Mbps		
	Audio output	2-ch, RCA (Linear, 1kΩ, VGA output and CVBS output respectively)		
	Audio birate	64 Kbps		
	Dual-stream	Support		
	Stream type	Video, Video & Audio		
	Synchronous playback	4-ch	8-ch	16-ch
	Playback resolution	1080P / 720P / VGA / WDI / 4CIF / CIF / QVGA / QCIF		
Network management	Remote connection	128		
	Network protocols	TCP/IP,PPPoE,DHCP,DNS,DDNS,NTP,SADP,SMTP,SNMP,NFS,iSCSI,UPnP™,HTTPS		
Hard disk	Type	8 SATA interface for 8 HDDs; 1eSATA interface		
	Capacity	Up to 4 TB capacity for each disk		
External interface	Network interface	2;10M / 100M / 1000M self-adaptive Ethernet interfaces		
	Serial interface	RS-232, RS-485, Keyboard		
	USB port	3 x USB2.0		
	Alarm in / out	16 / 4		
General	Power supply	100 ~ 240 VAC, 47 ~ 63Hz		
	Consumption (without hard disk)	≤ 35W	≤ 45W	≤ 65W
	Working temperature	-10°C~+55°C (14°F~131°F)		
	Working humidity	10% ~ 90%		
	Chassis	19-inch rack-mounted 2U chassis		
	Dimensions (WXDXH)	445 x 470 x 90mm		
	Weight (without hard disk)	≤ 8KG		