

4CH Smart HDD-SSD-MDVR



Product Manual

Model:HA8104

Key advantages

- ◆ Supports 2MP and 1MP resolutions with 4-channel coaxial HD and analog HD cameras
- ◆ Features USB, HD VGA, and CVBS video outputs
- ◆ Wide voltage input range of 9V to 36V, automatic shutdown at low voltage
- ◆ Dual storage (4TB HDD + 512GB SD card)
- ◆ AHD (Advanced High Definition), video horizontal, and vertical mirror adjustment
- ◆ Supports optional partitioning: single, dual, triple, or quadruple screen display

Product Features

- ◆ H.264/H.265 video encoding with multi-stream recording. Features 4-channel AHD inputs (2MP HD video/analog SD) and 4-channel audio inputs, delivering 1MP HD recording quality.
- ◆ Professional automotive power supply design with 9-36V DC wide voltage input.
- ◆ Dual storage: HDD + SD card (up to 512GB single card, 4TB HDD), resistant to vibrations and dust to withstand harsh road conditions.
 - ◆ Stall delay recording (time adjustable up to 48 hours).
 - ◆ Multiple recording modes: auto, alarm, and more.
 - ◆ High-reliability aviation-grade input/output interface with easy plug-and-play installation and enhanced shock resistance.

Project Model:HA8104		parameter
operating system		Linux
System Language		Chinese, English, and other (customizable)
Video encoding		H.264/H265
Video and video recordings system	video in	4-channel 1080P HD AHD video/standard definition analog input, aviation-grade connector, 1.0Vp-p, 75Ω
	video out	Supports CVBS and VGA video output
	Preview	Single channel, 2-view, 3-view, 4-view support manual/event-triggered full-screen display
	Video resolution	Supports 1080P,720P, D1, and CIF options
	Video quality	Level 1 to 5 recordings are compatible, Optimal at Level 1, Minimum at Level 5.
	Video recording method	Automatically record by default, supporting ignition recording, manual recording, alarm recording, and more.
audio frequency	Audio input	4-channel, aviation connector
	Audio output	1 channel, aviation connector interface, output level: 1V - 2V
	Audio encoding compression format	G711A
	Alarm input	6-channel level alarm input
	Alarm output	2-channel level signal output
Video Storage	Storage	Supports up to 4TB hard drive + 512GB SD card
	Upgrade method	Supports local SD card upgrade and OTA remote automatic upgrade
	file format	Support H.264 /H265video format
	file system	FAT32 file system
Video playback	Video search	Search video files by recording time, method, or other criteria
	playback	Supports up to 4 synchronized playback, pause, and fast-forward
		Supports 2x,4x,8x, and 16x faster speed access
security administration		User and administrator passwords are managed at two levels, with screen lock support
communication interface		Support 1 RS485
Power supply and power dissipation	Power Management	Adaptive wide power input, with overload, undervoltage, short circuit, reverse connection and other protection functions; Supports timed on/off and delayed shutdown.
	input voltage	DC:+9V - +36V
	output voltage	+12V@1.5A,+5V@1.5A
	power dissipation	Power of bare machine <7W, Full load power <26W
work environment	temperature	-20℃ - +70℃
	humidity	20% - 80%



Product Dimensions:



Wiring Diagram:

