

## 4CH (SD+HDD) AI MDVR-MA9704E



### Features:

- Single chip design, support ADAS, DSM, BSD
- H.265 encoding, high compression ratio, clear image
- Support 4CH AHD, 1CH IPC
- AHD/TVI/CVI/IPC/ Analog video inputs
- Support real-time encoding of 4 channels and 25 frames
- Support for AHD analog high-definition output
- Support 5G
- Support CAN
- Built-in G-sensor, monitoring of vehicle driving behavior
- Support reversing image ranging assistance
- Support image horizontal and vertical mirror adjustment
- Unique GPS drift suppression algorithm
- Input pulse automatic calibration algorithm
- Support Maintenance Tool debugging and maintenance
- Professional hard drive oil pocket shock absorption

### Power supply:

- Professional vehicle power supply 9-36V DC wide voltage
- Low voltage, short circuit, reverse connection and other protection
- Support intelligent power management identification, low power automatic shutdown, flameout low power consumption

### Data storage:

- Built-in super capacitor prevents data loss and disk damage
- A special file management adopted to encrypt data to effectively protect data security
- Support HDD and SD card storage
- Support 2.5 inch HDD, 4TB(max)

### Wireless module:

- Built-in GPS/BD/GLONASS module, high sensitivity, fast positioning
- Built-in 4G module, support LTE/HSPA/WCDMA(5G optional)

- WIFI module (optional), support 802.11b/g/n, frequency 2.4ghz

**Active safety early warning system:**

- Built-in ADAS (Collision, vehicle proximity, lane departure, etc)
- Built-in DSM (fatigue, distraction, smoking, phone calls, infrared blocking , abnormal driver, occlusion, driver comparison and other alarms)
- Built-in BSD (optional) blind area monitoring system
- Support remote calibration function of operation and maintenance platform

**Product Technical Parameters:**

Project	Parameters	Performance indicators
system	System	Linux operating system
	Language	Chinese/English
	Interface	Graphical menu operation interface
Audio and video	Video input	4 CH 1080P AHD/TVI/CVI/CVBS
	Video output	VGA+CVBS(or AHD)
	Audio input	5 CH
	Audio output	2analog output
	Video formats	PAL/NTSC
	Video compression	H.264/H.265
	Video resolution	1080P/720P/960H/D1/CIF
Video and playback	Audio formats	G.711A G.711U G.726
	Storage	HDD & SD card
	Video query	Search by channel, video type
Software upgrade	Video playback	Local Multichannel
	Local backup	Support SD card and USB flash drive
	Upgrade mode	Manual upgrade, automatic upgrade, remote upgrade
Physical interface	Upgrade way	USB , SD card, network
	Audio/Video input	4CH M12
	Audio/Video output	1 VGA and 1 CVBS(Or AHD)
	Power interface	Power/Ignition signal
	Alarm input	9 CH input
	Alarm output	2 outputs
	Pulse	1
	RS232	1
	TTL	1
	RS485	1
	CAN	1
	1-WIRE	1
	MIC/SPK	4PIN MIC/SPK
LED light	PWR/RUN	
IPC	1 M12-6Pin	

	SD card	1* SDXC
	HDD	1
	Disk lock	1
Wireless interface	GNSS module	GPS/BD/GLONASS
	Wifi	2.4GHz
	3G/4G/5G	4G Default (5G Optional)
Active safety interface	ADAS interface	1 CH ADAS, 1080P/720P
	DSM interface	1 CH DSM, 720P
	BSD interface	1 CH BSD, 1080P/720P
Other	Power input	DC9V- 36V
	Storage capacity	1080P 622MB/H/CH H.265
		1080P 1.2G/H/CH H.264
	Typical power consumption	Power consumption: AVG 9W (excluding peripherals) Static power consumption: <u>12V@3mA</u>
Load capacity	Camera + Screen: 12V@4A (MAX) IPC: 12V@1A(MAX)	

### Mounting hole bitmap

