

**Product Features**

**Option 1** Support 2 channels 1080P AHD (DSM & ADAS) + 2 channels 1080P AHD / 960P AHD / 720P AHD / 960H / D1 / CIF + 1 channel IPC (720P / 1080P) Video input

**Option 2** 4 channels 1080P AHD / 960P AHD / 720P AHD / 960H / D1 / CIF + 1 channel IPC (720P / 1080P) Video input

- 4 channels synchronized A/V recording and playback
- Support ADAS+DSM (optional)
- Support Blind Spot Detection cameras (optional)
- Secure Recording to Lockable 2 SD Cards - 256GB total storage capacity
- Internal G-Sensor, with GPS, 4G and Wi-Fi (5.8 Ghz)
- 1 WIFI Antenna (download speed up to 5~10Mb/s)
- On board UPS 8 seconds delay power-off for data protection
- 8V-36V wide voltage power supply

**AI Algorithm**

<b>MVR-DSM</b>	Yawning Detection Eyes Closing Detection Smoking Detection Making Phone Calls Detection Distraction Detection Driver Absence Detection Camera Blocked Detection Wearing Glasses Detection
<b>MVR-ADAS</b>	Lane Departure Warning Safe Distance Warning Froward Collision Warning Pedestrian Collision Warning
<b>BSD (Optional)</b>	Blind Spot Detection (front & right)

**Video & Audio**

<b>Video Input</b>	Option1: Support 2 channels 1080P AHD (DSM & ADAS) + 2 channels 1080P AHD/960P AHD/720P AHD/960H/D1/CIF+1 channel IPC (720P/1080P) Video input Option2: 4 channels 1080P AHD/960P AHD/720P AHD/960H/D1/CIF + 1 channel IPC (720P /1080P) Video input Note: User need Wi-Fi module to calibrate DSM& ADAS
<b>Video Output</b>	2 Channels (Front Panel 3.5mm Jack, Rear Panel on 24 pin I/O Port)
<b>Video Display</b>	Single picture, 1~5 pictures
<b>Signal System</b>	PAL / NTSC (PAL@100 frame 1080P/sec; NTSC@120 frame 1080P/sec)
<b>Image Compression</b>	H.264/H.265
<b>Audio Input</b>	4 Channels
<b>Audio Output</b>	2 Channels (Front Panel 3.5mm Jack, Rear Panel on 24pin I/O Port)
<b>Record Format</b>	Synchronized A/V recording



1080P



GPS Positioning



Panic Button



Monitor Remotely



Speed Sensor



Mileage Sensor

**Description**

The **MVR9304SD-4GW-AI** is a highly functional SD Card AI MVR designed for on-board vehicle recording. The supports AI (ADAS & DSM & BSD), It has four ports to record upto fourcameras simultaneously and an ethernet port to connect an IP camera.

**ADAS (Advanced Driver Assistance System)**

Monitor and record the front road safety: lane departure, collision warning, pedestrian warning, etc.

**DSM (Driver Status Monitor)**

Supervising and recording driver's behaviour: smoking, sleepy, phone call, etc.

**BSD (Blind Spot Detection)**

Detects objects in the vehicle's blind spot and trigger the audible warningto both driver and outside.

The **MVR9304SD-4GW-AI** comes with GPS which gives you the option of recording the location and driving route together with the videofootage. The DVR can be connected to a monitor so that you can view the cameras in real time in addition to recording themand allows you to view each camera independently or all together in a split view.

The footage records onto two SD cards each with a 128GB capacity giving you a total of 256GB of storage capability. With a solid and compact build, the **MVR9304SD-4GW-AI** is vibration-proof, installation-friendly and combines powerful functions together with a stable performance.

## System

<b>Language</b>	English / Chinese
<b>Operation Interface</b>	Graphical User Interface (OSD menu)
<b>Password Security</b>	2 Levels: Administrator & User
<b>Int'l Standard GPS</b>	Internal GPS module. Real-time geographic coordinates, speed information
<b>Internal G-Sensor + Gyroscope</b>	Support an integrated 3 axis accelerometer (G-Sensor) and 3 axis gyroscope, to detect crash, harsh braking, acceleration and cornering.
<b>PC Playback</b>	A/V, GPS, Mapview, Speed, G-Sensor, etc. files available for playback on PC. Limited playback is also available on MVR
<b>BMMS</b>	Wireless (require Wi-Fi or cellular Option) real-time A/V monitoring, GPS, alarms, etc.
<b>Software Upgrade Local or Remotely</b>	Upgrade through SD card or remotely via IVMS platform
<b>Voltage Input</b>	8~36V DC Please check operational voltage of vehicle prior to the installation of the MVR and its accessories to prevent possible damage
<b>Voltage Output</b>	12V (+/-0.2V), Max 3A
<b>ACC Detection</b>	≤4V Power-off ≥6V Power-on
<b>Video Input Resistance</b>	75Ω
<b>Video Output Voltage</b>	2VP-P CVBS output analog signal, screen input requires 75Ω resistance
<b>I/O Port</b>	<1V Low voltage trigger >5V High voltage trigger
<b>Operational Temperature</b>	-40°C up to 80°C Install in well ventilated area, protected from moisture, heat, dust and vibration
<b>Dimensions</b>	170x142x50mm Including Security Cover 170x187x50mm



## Recording & Storage

<b>Image Resolution</b>	CIF / HD1 / D1 / 960H / 720P / 1080P optional
<b>Video Coding</b>	ISO14496-10 Industry Standard
<b>Video Bit Rate</b>	CIF: 1536Kbps ~ 128Kbps, HD1/D1: 2048Kbps ~ 400Kbps, 960H: 2048Kbps ~ 400Kbps, 720P: 4096Kbps ~ 400Kbps 1080P: 4096Kbps ~ 400Kbps Select from 8 Levels of Video Image Quality ranging from 1(Highest) to 8(Lowest)
<b>Audio Bit Rate</b>	40Kbps
<b>Storage</b>	2 SD Card Slots, Up to 256GB each, Class 10 or higher

## Alarm

<b>Alarm Input</b>	8 Channels, Select Trigger for either less than 1VDC or greater than 5VDC
<b>Alarm Output</b>	1 Channel, 12V output



## **MVR9304SD-4GW-AI**

MOBILE DIGITAL VIDEO RECORDER  
WITH ARTIFICIAL INTELLIGENT 4G GPS 4CH SD

### Communication Ports

<b>RS485</b>	1 Port for PTZ control or Data Device usage
<b>RS232</b>	2 Ports for communication or data usage
<b>RJ45 Network</b>	1 Port of RJ45(100M Ethernet port), For connection to an IP camera with maximum of 1080P
<b>Speed</b>	1 Channel (Optional, shared with the port IO /IN 8)
<b>CAN</b>	1 Channel (Optional, shared with the port IO /IN 6/7)

### Wireless Communication

<b>3G/4G</b>	Supported
<b>Wi-Fi</b>	Internal Wi-Fi 802.11b/g/n/ac optional

\* Specifications Are Subject to Change Without Notice.

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