

# Vehicle Coach mobile dvr 3G 4G WCDMA EVDO CCTV mini 4 camera vehicle dvr

(RCM-MDR210 Series)

**Remote Viewing Surveillance 3G 4G Mobile DVR Coach solution**



## 功能特点 Features



实时监控, GPS定位  
Real-time monitoring,  
GPS positioning



自动报站  
Stop Automatically



智能  
公交



公交一卡通 Fare Machine



运营调度  
Managing Bus Scheduling



广告发布  
Advertising



语音功能  
Voice features

- 采用高压倍比, 图像清晰的H.264编码格式, 支持开机录像、定时录像及报警录像, 支持ACC熄火延时录像。内置GPS全球定位系统, 可通过3G网络远程查看实时视频, 车辆位置, 回放历史录像。支持手机远程监控。  
Adopting H.264 Video compression with high resolution, ACC on/off, Timer Recording, ACC Delay Recording Mode supported, Built-in GPS Tracking system, Real time video stream, Vehicle Position, Video Replay can be viewed through 3G Network, Support Mobile Phone remote Monitor.
- 全自动语音报站, 支持安全乘车提示、换乘车提示、超速车提示和整点报时, 报站方式支持手动报站或GPS自动报站。  
Automatic Voice Stop Inform, support Safety Tips, Transfer Bus tips, Overspeed tips and Hour Time Inform, Stop Inform including Manual or GPS Automatic.
- 可连接公交刷卡机, 自动接收并存储后台调度系统下发的收费表, 进行公交刷卡消费, 统计各种消费数据。  
Combine with POS Equipment, automatic receive and store the fees sent by scheduling system, statistics all kind of consumer data.
- 运营管理系统功能包括: 车辆GPS系统、电子排班系统、GIS电子地图系统、车辆运行管理系统和营运数据统计。  
Bus Fleet Management System Including: GPS System, Electronic Scheduling, GIS Electronic Map, Vehicle Operation management system and data management.
- 控制和下发LED显示屏的显示信息, 包括商业信息、公益信息、政府的方针政策、交通信息、天气预报等各种信息。  
Control and sent LED information, including Commercial Business Information, Public Information, Government Policy, Traffic Information, Weather Forecasts and so on.
- 可进行语音电话, 网络对讲, 声音广播。实现管理中心和车辆即时通讯。  
Support VOIP, 3G Intercom, Broadcast realize Center office communicate with Driver in real time.

## Product features

### Remote Viewing Surveillance 3G 4G Mobile DVR

1. H.264 Compression Mode, support 4CH real-time 720P Mega Pixel AHD input and Analog Standard Definition camera input;
2. Exclusive pre-allocate DVR Special File System Technology, solving repeatedly wipe cause file fragmentation, solving SD Card file system collapse, data loss and cannot find SD CARD and file garbled, ensure the integrity of the data.
3. 10-36V Adaptive Wide Voltage input, Super low Power Consumption Design;
4. SD card storage ( 2SD cards, Each maximum support 128GB) It can be completely resist car Vibration. Dust and others cause data corruption;
5. Support GPS/BD/G-Sensor; High Reliability Aviation Connectors.
6. High Cost Performance with reliable stability, simple and clear operation menu.

## Detail pictures

### Remote Viewing Surveillance 3G 4G Mobile DVR



Device back view

### Remote Viewing Surveillance 3G 4G Mobile DVR



Device front view

## Remote Viewing Surveillance 3G 4G Mobile DVR

### LED Indicators



## Remote Viewing Surveillance 3G 4G Mobile DVR

## Back Panel



## Richmor surveillance GUI

The main menu includes: Search, System setup, Rec setup, Network setup, Alarm setup, Peripheral setup, System Tools, System Information, as below:



## RCM-MDR210 Parameter Sheet

Item	Parameter
OS	Linux
Language	Chinese/English/Customized
Video Compression	H.264
OSD	Overlays information such as date time and vehicle ID
GUI	Graphical User Interface Setup system parameters with the remote control.

Video Record System	Video Input	4CH 720P AHD input/SD input/mixed video input, aviation connector, 1.0Vp-p, 75Ω
	Video Output	1CH CVBS+1CH VGA output, 1.0Vp-p, 75Ω,Aviation,Support 1CH Full Screen,4CH Screen
	Preview	Support 1 channel and 4 channels preview. Support Manual/Alarm Trigger full screen preview
	Resolution	720P/D1/HD1/CIF, MAX:4 channels 720P
	Video Quality	0-7 levels, 0 is the highest level.
	Video Standard	PAL: 100f/s , CCIR625 line,50field; NTSC: 120f/s, CCIR525 line,60field; CIF: 256Kbps ~ 1.5Mbps, 8 level video quality optional; HD1: 600Kbps ~ 2.5Mbps, 8 level video quality optional; D1: 800Kbps ~ 3Mbps, 8 level video quality optional; 720P: 4Mbps-6Mbps, multi level video quality optional
	Record Mode	The default setting is auto recording after power on. Timed recording, alarm trigger recording and manual recording are supported.
Audio	Audio Input	4CH ,Aviation Plug
	Audio Output	1CH,Aviation Plug
	Compression	G.726 compression, 8KB/s speed
Alarm Input	4Ch Alarm Input, kinds of alarm linkage support	
Alarm Output	1CH Alarm Output	
Communication interface	1CH RS232 or 1CH RS485 for optional	
Position	Support Built GPS/BD Module, built in G-sensor, can replay and analyse vehicle driven route.	
wireless transmission	Support Built-in 3G/4G wireless transmission function, WCDMA, CDMA2000, TDD-LTE, FDD-LTE....	
Motion Detection	Support motion detection alarm. (Can set the video recording duration time after alarm on platform.)	
G-Sensor	Support G-sensor	
Storage	SD	Dual SD Card,each max 128GB SD Card loop recording
	Upgrade	Support SD Card remote updating
	File Format	H.264
	File System	Special FAT32 File System
Video Playback	Video Search	Search By Record Time/Record Type etc
	Playback	Max support 4CH Replay /Stop/Fast/Slow at same time Support forward and backward play at the speed of: x 2,x4,x8,x16.
Voltage & Power	Power Management	Wide Voltage.Support Timed/Delay off
	Voltage Input	DC:+8V ~ +36V
	Power Consumption	Normal Working □14W , Stand-by status < 0.5W
	Temperature	-20°C to +70°C
Working Environment	Humidity	20% to 80%
	Password	User/Admin 2 Level Different Password
Security	Size	112(W) x36(H) x138(D) mm
others	Net Weight	360g

## Richmor Mobile DVR Mileage Summary

Vehicle Management System

Report Device User

### Mileage Summary

Begin Time: 2016-01-08 00:00:00 To: 2016-01-08 16:27:09

Device: All Devices [Select Device] [Query] [Report To Excel] [Report To Csv] [Report To Pdf]

Index	Vehicle	Total Mileage(KM)	Begin Time	Start Mileage(KM)	Start Position	End Time	End Mileage(KM)
1	鄂E3114	174.80	2016-01-08 09:03:30	22.95	32.53474,114.90044	2016-01-08 16:25:41	157.83
2	鄂E3130	202.97	2016-01-08 07:33:17	18.1	32.06429,112.98302	2016-01-08 16:25:28	171.57
3	24012	277.42	2016-01-08 07:09:55	23.43	33.30954,116.67527	2016-01-08 14:57:24	300.83
4	鄂A76248	97.4	2016-01-08 00:00:25	299.97	41.57288,116.73029	2016-01-08 09:42:39	41.09
5	24023	0	2016-01-08 00:00:07	16.26	37.78979,120.73127	2016-01-08 16:19:07	16.26
6	鄂QF307	416.36	2016-01-08 06:09:54	96.66	36.96432,117.84779	2016-01-08 16:20:11	92.93
7	鄂D1712	120.98	2016-01-08 04:48:40	26.52	35.87847,117.80343	2016-01-08 14:25:07	144.82
8	鄂K5250	45.81	2016-01-08 00:00:03	139.13	32.49429,112.88933	2016-01-08 16:15:15	115.82
9	鄂K5253	40.61	2016-01-08 00:00:27	92	33.85419,112.49749	2016-01-08 16:11:28	73.72
10	鄂K5368	111.72	2016-01-08 00:00:15	145.81	32.88433,112.93845	2016-01-08 16:24:48	93.9
11	鄂K5010	52.02	2016-01-08 00:00:10	93.24	32.45429,112.49779	2016-01-08 16:15:55	97.92
12	鄂A3603	655.08	2016-01-08 00:00:29	354.36	36.95943,117.82870	2016-01-08 16:24:44	1009.74
13	24058	224.42	2016-01-08 07:00:58	44.57	37.94978,118.84870	2016-01-08 16:17:34	60.4
14	28999	2.36	2016-01-08 13:13:09	17.6	35.73439,121.22847	2016-01-08 13:57:27	18.81
15	01568	369.29	2016-01-08 00:00:54	51.04	37.73336,116.96921	2016-01-08 16:03:58	420.33

## Player software interface

The screenshot displays a comprehensive vehicle monitoring interface. On the left, a sidebar lists various vehicle types and IDs. The central area features a map of China with a specific vehicle location marked. Below the map, a detailed data panel for a selected vehicle (Device ID: 80012) is visible, showing its status as 'Online', current position, and speed. The bottom of the interface includes a 'Monitoring' section with a table of recent events and system status indicators.

Device	Positioning Time	Position	Speed	Alarm
80012	2014-12-09 16:53:08	四川省宜宾市江安县江安镇19号	1.70 km/h(North)	
80012	2014-12-09 16:46:35	贵州省遵义市桐梓县桐梓镇桐梓公路	7.70 km/h(North)	
80012	2014-12-09 11:16:24	贵州省遵义市桐梓县桐梓镇桐梓公路	82.40 km/h(North)	
80012	2014-12-07 15:58:58	贵州省遵义市桐梓县桐梓镇桐梓公路	0.00 km/h(North)	

## CMSV6 In Mobile Phone.

Have all in the palm of your hand

Real-time monitoring via Mobile Phone --Support iPhone, Android, iPad system



## Richmor actual case



## Application

Widely used in passenger car, bus, taxi, school bus, lorry, dangerous vehicle, personal car and ship etc.





Travelling Bus



Public Bus



Dangerous chemical car



Tobacco Logistics



Taxi



Truck



School Bus



Express Logistics



Road Police Car



Border Car



Traffic Inspection Car



Civil Work Vehicle



Escort Vehicle



Ambulance



Fixed place monitor



Ship Monitor

## Buying Guides

## Packaging

1 unit with all standard accessories such as AV Cables/IO Cable/Power Cable/Key et c

Neutral paper box or Color paper box with Logo Richmor printed,also welcome customized package.



Richmor Brand Package



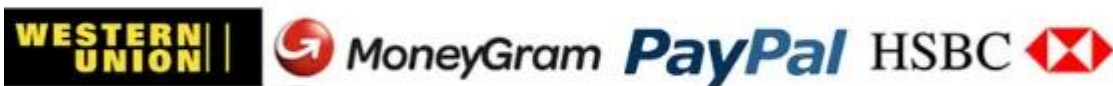
Standard Package

## Shipping

**Strong cooperated with DHL/UPS Etc for fast and safety delivery.**

- a. 2-5 days after payment cleared for sample order.
- b. 5-10 days after payment cleared depends on order quantity for bulk order.

## Payment



## Service

- 1. Well Trained Sales team and engineers for fast and professional support
- 2. OEM/ODM Service



## CUSTOMER SATISFACTION

- Excellent Aftersale service
- 12 months warranty
- 24 hours customer service
- We understand the importance of our customers

## Certifications



## Exhibition

# Richmor

## CPSE2012 in Shenzhen



CPSE2013

10.29-10.31

4 Booth we have

Welcome you !!!



### CPSE2012-- Guangdong TV Report-Shenzhen Richmor



### About us&Customers:



## EXCELLENT SUPPORT



### What is our expectation

Being your helpful and long term partner meeting your requirement.

Any question about your vehicle project, contact our representative Vicky.

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