

School bus camera dvr, with RFID GPS Tracking Systems MDVR With TTS Function 4g Mobile DVR

(RCM-MDR 7104 Series)

Remote Viewing Surveillance 3G 4G Mobile DVR School bus solution



功能特点 Features

校车卫士

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

采用高压压缩比, 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.
- 身份验证, 人数统计
Two-factor authentication

可直接刷卡验证身份, 统计数据, 避免人工统计时出现失误。提供每个停靠站点实时的上下学生人数, 避免漏接学生, 以及把学生遗留在车内, 造成事故。
Combine with Card Equipment for authenticate information and counting, avoid artificial statistical mistake, offer the students get on/off real time number at each station, avoid the accident caused by missing students or leaving students in the carriage.
- 语音功能 Voice features

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.
- 行车记录, 驾驶行为管理
Driving behavior management

对司机的不良行为进行监督, 比如经常超速、急加速、急减速、急刹车等容易对车内学生造成危险的行为; 并对其进行评测, 预防安全隐患发生。
Supervise driver's bad behavior, such as: over-speed, acceleration, decelerate urgently, brakes etc dangerous behavior for students, Driver's Performance evidence.
- 短信提醒
Assured SMS alerts

车载智能系统会根据需要向家长发送孩子上下车短信, 包括什么时间、在哪里上车及下车, 让家长及时、快捷的了解学生安全状况, 有利于学生接送时间的精确控制。
Intelligent vehicle system, students get on/off bus information sent to parents by SMS including When and where on/off, convenient for parents to know students status and easily for picking up students.
- 偏航报警
Yaw alarm

预先设定校车的固定行驶路线, 当校车未按照预定的行驶路线行驶时, 中心上会自动发出语音报警, 中心可与车载终端通过语音对讲进行通讯。
Geo Fence Alarm, preset driving route, when out of the line it will sound alarm automatically at center office, center can talk with the driver for the information.

Product features

Remote Viewing Surveillance 3G 4G GPS WIFI HDD Mobile DVR

1. H.264 Compression Mode, support 4CH real-time 720P Mega Pixel AHD input and Analog Standard Definition camera input, or 2ch HD input + 2CH SD 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. 8-36V Adaptive Wide Voltage input, Super low Power Consumption Design;
4. HDD+SD Card storage(maximum support 2TB 2.5" Hard disk and 128GB SD Card.) 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 GPS WIFI HDD Mobile DVR



Richmor

Factory Audit

SMS Device configure
OTA Remote Updating
AHD 720P/960P
2TB HDD+128GB SD Card

NEW

3G WiFi GPS
DC 8-36 NET VO AV IN
2 1
4 3
PANEL

CE FC ROHS

QR Code

The image shows a black, rectangular mobile DVR with a silver heat sink. The front panel features several ports: a 3G antenna, a WiFi antenna, a GPS antenna, a DC power input (8-36V), a network port (NET), a video output port (VO), and a panel with four AV input ports (2 and 1 on the top row, 4 and 3 on the bottom row). The device is mounted on a metal base. The advertisement includes the Richmor logo, a 'Factory Audit' badge, a 'NEW' starburst, and various certification logos (CE, FC, ROHS) and a QR code.

Remote Viewing Surveillance 3G 4G GPS WIFI HDD Mobile DVR

Richmor

Factory Audit

SMS Device configure
OTA Remote Updating
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2TB HDD+128GB SD Card

NEW



CE FCC ROHS



Remote Viewing Surveillance 3G 4G GPS WIFI HDD Mobile DVR

Front LED Indicators



Remote Viewing Surveillance 3G 4G GPS WIFI HDD Mobile DVR

Back Panel IO Indicators



Richmor surveillance GUI

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

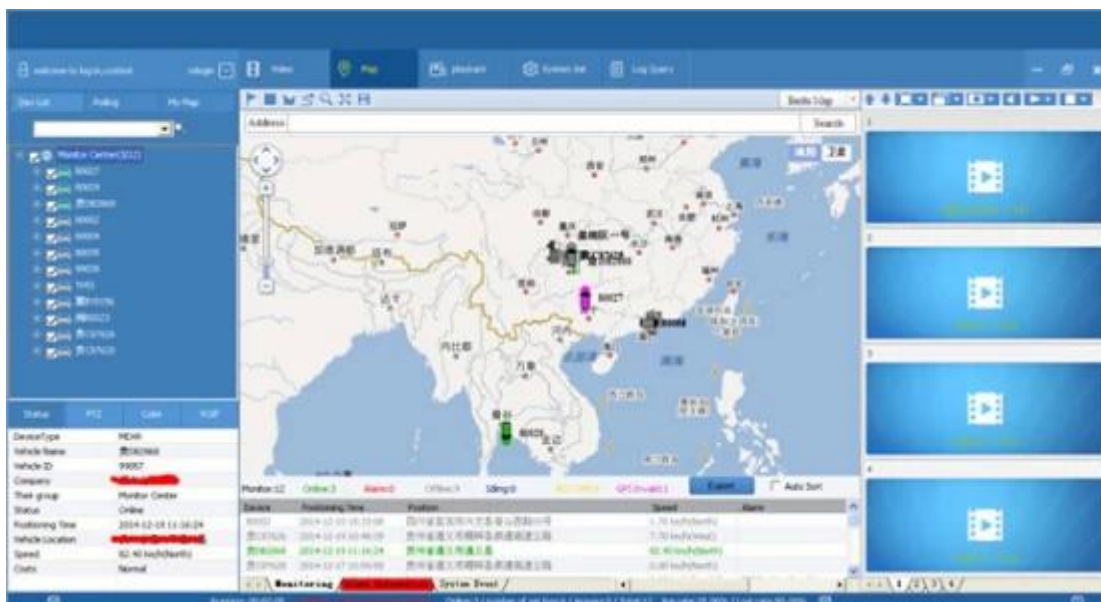


RCM-MDR7104 Parameter Sheet

Item	Parameter	
OS	Linux	
Language	English/Chinese/Customized	
Video Compression	H.264 Compression	
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 input,aviation connector, 1.0Vp-p, 75Ω
	Video Output	2CH CVBS+ VGA output for optional, 1.0Vp-p, 75Ω,Aviation,Support 1CH Full Screen, 4CH Screen view
	Preview	Support 1 channel and 4 channels preview., Support Manual/Alarm Trigger full screen preview
	Resolution	720P/D1/HD1/CIF, MAX:4 channels 720P and 4 channels D1
	Image 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 Input
	Audio Output	2CH,headphone connect at front panel, BNC Connect on Back panel
	Compression	G.726 compression, 8KB/s speed
Alarm Input	7CH Alarm Input,1CH AD Input, impulse speed input,Alarm Linkage	
Alarm Output	2CH Alarm Output,Support Light/ Sound alarm sensor,Oil/Power cut off	
Interface	3CH RS232, POS/Fuel Sensor/ LED Advertisement Connection	
	2CH 485 Interface,Connect PTZ Camera	
	2CH CAN interface	
Wireless Transmission	Support Built in 3G transmission, WCDMA, CDMA2000,GPRS, EDGE Built in 4G module optional, TDD-LTE, FDD-LTE	
GPS Position	Support Built GPS/BD Module	
Storage	HDD	Max 2.5" 2TB HDD
	SD Card	Max 128GB SD Card Mirror Recording Keep Data Safety
	Update	Support USB Updating, SD Card Updatin, OTA Remote Updating
	File Format	H.264
	File System	Special FAT32 File System
	USB	USB Interface on Front Panel for data back up by U Disk,Hard Disk

Record Replay	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.
Security		User/Admin 2 Level Different Password
Optional Functions	Voice Call	Support voice call each other
	Serial Expand	Support LED Advertisement Panel[]Oil Sensor[] POS[]Bus Station Broadcaster[] Car OBD,ect.external device
Voltage & Power	Power Management	Wide Voltage.Support Timed/Delay off
	Input Voltage	DC:+6V - +36V
	Power	Working []5W
	Temperature	-20°C - +70°C
Working Environment	Humidity	20% - 80%
	Size	200 []D[]* 187[]W[]* 62[]H[] mm
Others	Weight	1.90 Kg

Player software interface (CMSV6 In PC)



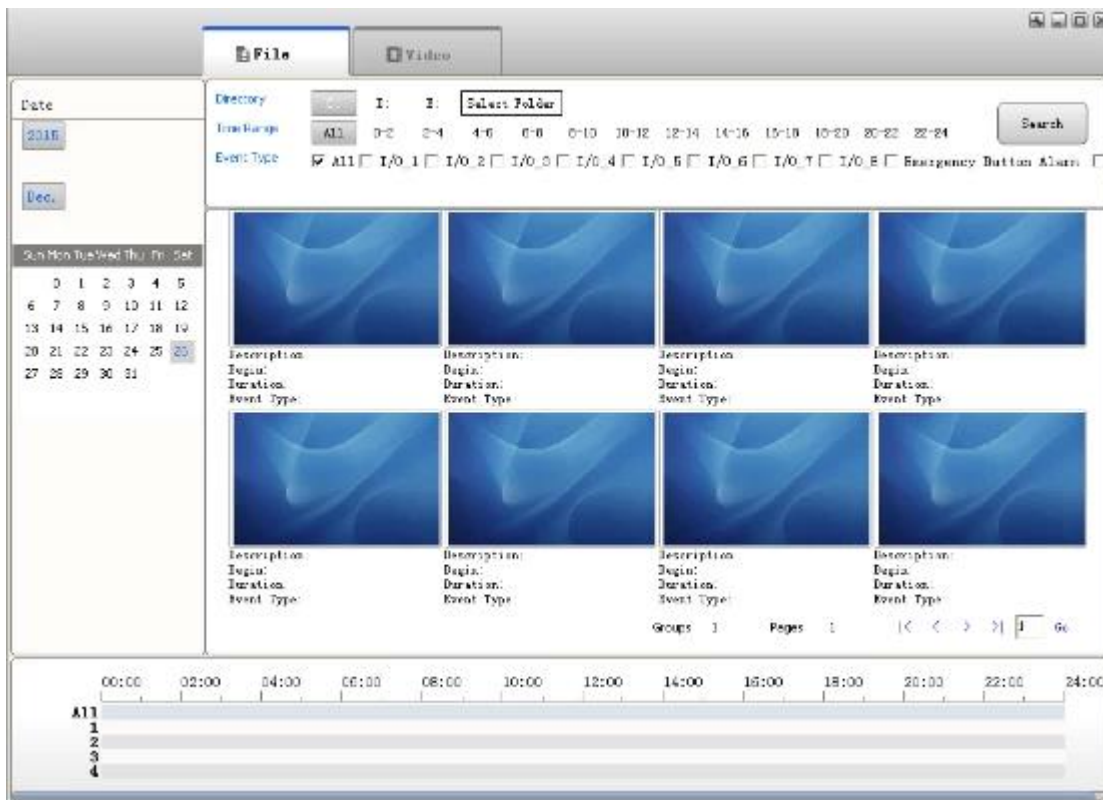
CMSV6 In Mobile Phone.

Have all in the palm of your hand

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



Surveillance platform Playback



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	粤E23114	174.88	2016-01-08 09:03:32	22.95	22.534254, 114.006444	2016-01-08 16:25:41	157.83
2	粤E23130	202.07	2016-01-08 07:33:11	18.1	22.884256, 112.882502	2016-01-08 16:25:28	171.57
3	24012	277.42	2016-01-08 07:09:55	23.41	23.269942, 112.873227	2016-01-08 14:57:24	300.83
4	粤A25248	97.4	2016-01-08 00:00:25	298.97	41.572468, 118.788243	2016-01-08 09:42:39	41.09
5	24023	0	2016-01-08 00:00:07	36.26	37.788758, 112.731127	2016-01-08 16:19:07	16.26
6	粤K5307	418.36	2016-01-08 06:09:54	36.96	35.481432, 117.847703	2016-01-08 16:20:11	92.83
7	粤J1712	129.98	2016-01-08 04:46:40	26.51	35.876478, 117.653341	2016-01-08 14:25:37	144.92
8	粤H2520	45.91	2016-01-08 00:00:03	138.13	22.854324, 112.498503	2016-01-08 16:15:15	115.82
9	粤H2523	43.81	2016-01-08 00:00:21	92	22.854197, 112.497683	2016-01-08 16:11:28	73.72
10	粤H2526	111.72	2016-01-08 00:00:15	145.61	22.854323, 112.498545	2016-01-08 16:24:40	93.9
11	粤H2510	52.92	2016-01-08 00:00:10	93.24	22.854234, 112.497788	2016-01-08 16:15:35	57.92
12	粤A2883	655.08	2016-01-08 00:00:29	354.36	35.950442, 117.658700	2016-01-08 16:24:44	1089.74
13	24058	224.42	2016-01-08 07:00:58	44.57	37.848758, 118.944070	2016-01-08 16:17:34	60.4
14	28999	2.38	2016-01-08 13:13:08	17.6	38.734428, 111.235947	2016-01-08 13:57:27	18.61
15	81588	368.29	2016-01-08 00:00:54	51.94	33.733205, 115.868921	2016-01-08 16:03:50	420.33

Richmor actual case

Richmor 锐驰牌 移动视频监控平台

公交车 锐驰曼实用放心有品味

The screenshot displays a comprehensive monitoring interface. On the left, a tree view lists various vehicles and their statuses. The main area is divided into four video feeds showing the interior of a bus from different angles. Below the feeds, a table provides detailed information for each vehicle, including its license plate, registration date, location, and status. A map on the right shows the real-time location of the selected vehicle, with a green arrow indicating its movement path.

车牌	注册时间	位置	速度	状态
24003	2015-09-11 14:46:37	广东省肇庆市端州区江滨北路(江滨北路)	0.00km/h(静止)	正常
24023	2015-09-11 13:46:40	广东省肇庆市端州区江滨北路(江滨北路)	0.00km/h(静止)	正常
24012	2015-09-11 13:46:40	广东省肇庆市端州区江滨北路(江滨北路)	48.00km/h(行驶)	正常
24048	2015-09-11 13:46:44	广东省肇庆市端州区江滨北路(江滨北路)	0.00km/h(静止)	正常

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 etc

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



Richmor Brand Package



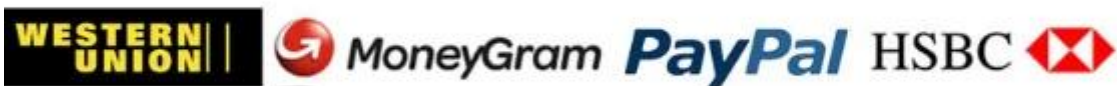
Standard Package

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.

Email: overseasales-7@rcmctv.com Skype: [rcmctvsales7](https://www.skype.com/en/contacts/overseasales7)