

# 2016 For Transit Bus New 5CH hdd/SD card mobile DVR/NVR with 4ch AHD camera video and 1ch 1080P IPC

(RCM-MDR 7105 Series)

Remote Viewing Surveillance 3G 4G GPS WIFI 5CH HDD Mobile DVR Transit bus solution





## 功能特点 Features



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

自动报站  
Stop Automatically



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、超速行车提示和整点报时, 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.

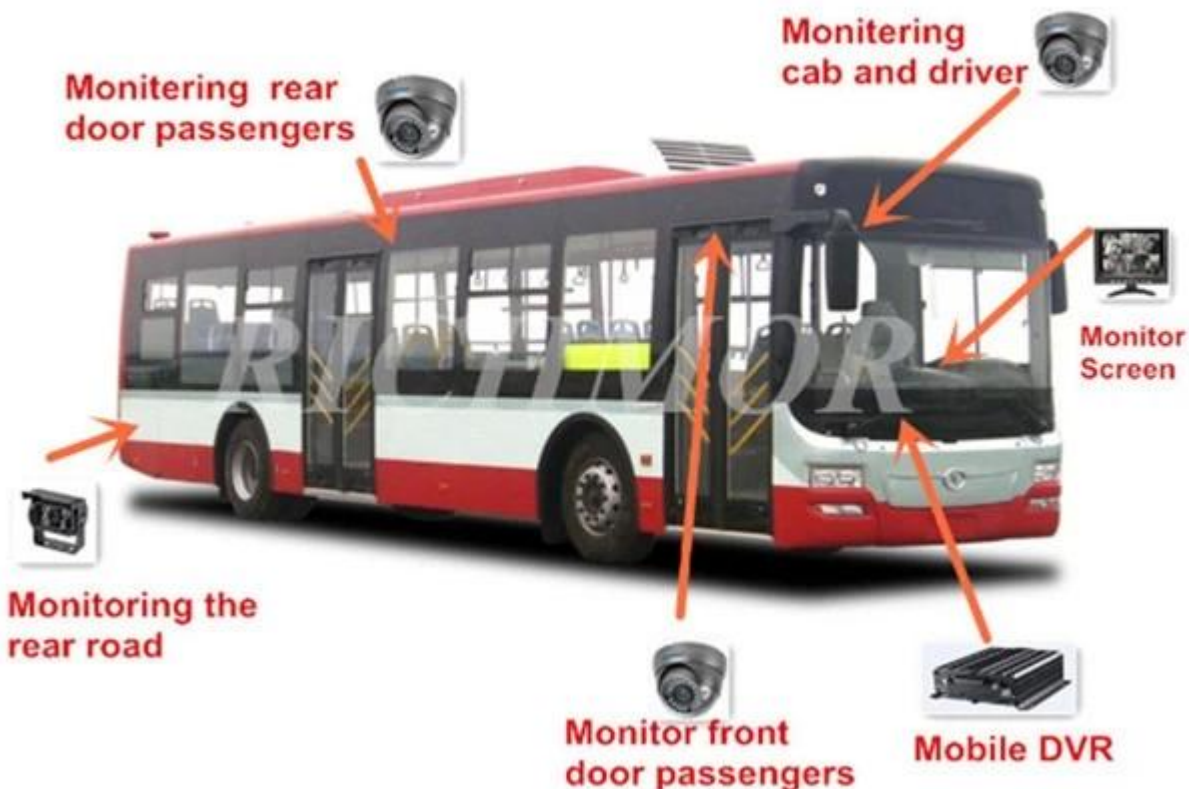
- 可连接公交刷卡机, 自动接收并存储后台调度系统下发的收费表, 进行公交刷卡消费, 统计各种消费数据。Combine with POS Equipment, automatic receive and store the fees sent by scheduling system, statistics all kind of consumer data.

- 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.

## Professional Mobile DVR Solution for Bus



## Detail pictures

Remote Viewing Surveillance 3G 4G 5ch GPS WIFI HDD Mobile DVR/ NVR with 1 CH IPC



Remote Viewing Surveillance 3G 4G 5ch GPS WIFI HDD Mobile DVR/ NVR with 1 CH IPC

**Richmor**

**✓ Factory Audit**

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

**NEW**



The image shows a black, rectangular mobile DVR/NVR device with a textured top surface and a front panel with several ports. It is shown from a three-quarter perspective.

**CE**   **FC**      

## Product features

Remote Viewing Surveillance 3G 4G 5ch GPS WIFI HDD Mobile DVR/ NVR with 1 CH IPC

H.264 Compression Mode, Max support 5CH Million pixels HD video surveillance/ recording/ playback (4CH real-time 720P Million Pixels AHD input or 4CH Analog Standard Definition camera input, or 2CH HD input+2CH SD input) + 1CH 1080P IP Camera input ; 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. 8-36V Adaptive Wide Voltage input, Super Low Power Consumption Design;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; Support GPS/BD/G-SENSOR ; High Reliability Aviation Connectors,High Cost Performance with reliable stability,simple and clear operation menu .

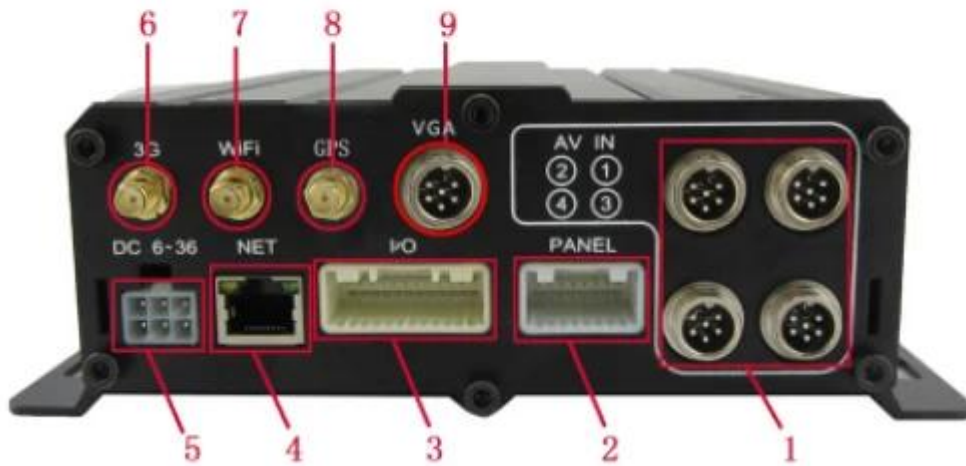
**Remote Viewing Surveillance 3G 4G 5ch GPS WIFI HDD Mobile DVR/ NVR with 1 CH IPC**

**Front LED Indicators**



**Remote Viewing Surveillance 3G 4G 5ch GPS WIFI HDD Mobile DVR/ NVR with 1 CH IPC**

## 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-MDR7105 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 real-time 720p million pixels Analog HD input / 4CH analog standard definition input/2CH analog input+ 2CH HD mixed input+ 1CH 1080P network camera input), aviation connector, 1.0Vp-p, 75Ω
	Video Output	2CH CVBS output+1CH VGA output for optional,1.0Vp-p, 75Ω,Support 1CH Full Screen,4CH Screen view
	Preview	Support 1 channel and 4 channels preview, 5 channels splice preview Support Manual/ Alarm Trigger full screen preview
	Resolution	1080P/720P/D1/HD1/CIF, MAX:4 channels of 720P + 1080P / 4 channels of D1
	Image Quality	1-4 levels, 1 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, multilevel 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	
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" HDD
	SD Card	Max 128GB SD Card Mirror Recording Keep Data Safety
	Update	Support USB Updating, SD Card Updating, 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
	TTS Voice Broadcast	Support TTS voice broadcast function.
	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/ over-load/Reversing connection/voltage shortage/ short circuit etc.
	Input Voltage	DC:+6V - +36V
	Power	Working 5W
Working Environment	Temperature	-20°C - +70°C
	Humidity	20% - 80%
Others	Size	200 mmD* 187mmW* 62mmH mm
	Weight	1.90 Kg

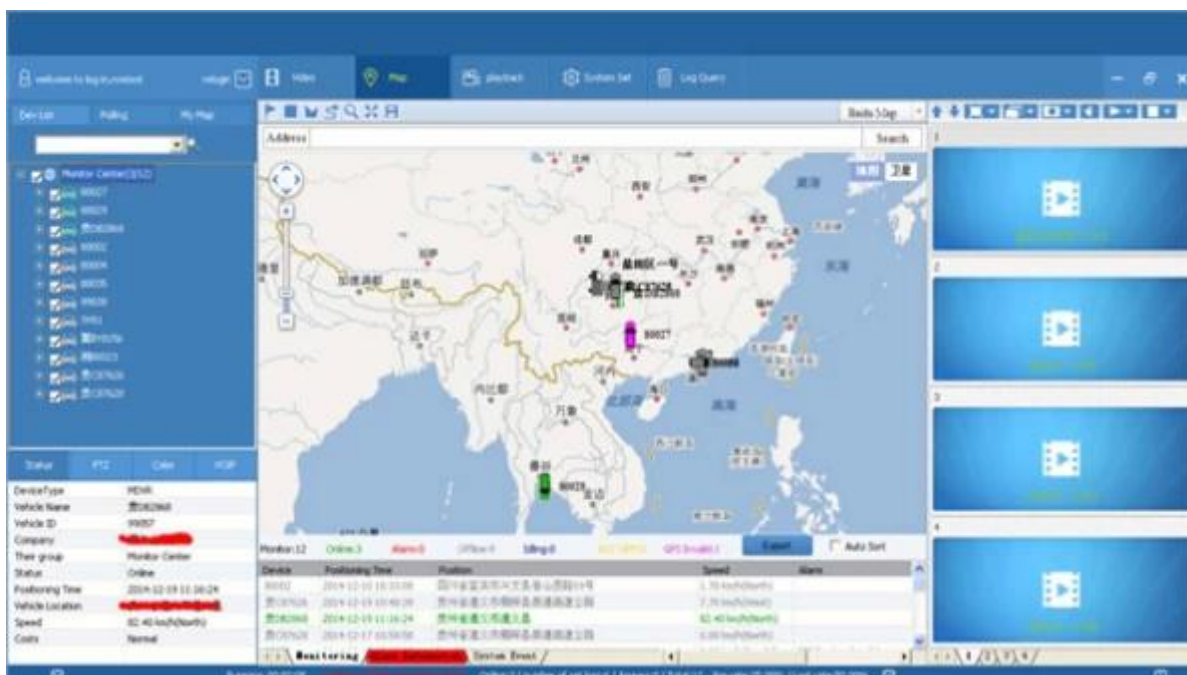
## Detail Features

1. Support 5CH video input, video recording and playback (4CH real-time 720p mega pixels Analog HD input /4CH analog standard definition input/2CH high definition & 2 CH analog standard definition mixed input+1CH 1080P network camera input)
2. 3CH video output (2CH CVBS video output,Support front and rear output; 1CH VGA output for optional )
3. Exclusive pre-allocate DVR Special File System Technology,Solving repeatedly wipe cause file fragmentation, solving storage file system crash, data loss and cannot find storage media and file garbled, ensure the integrity of the data.
4. 8-36V wide voltage with low power consumption. Support Reverse Protection  
over-voltage/over-current protection.Output max to 10Amps current, support 12V & 5V peripheral equipment power supply. Ultra low power design;



5. Unique UPS Technology ensures the integrity of record when power failure occurs,even can last for 8-10s.
6. HDD+SD Card Storage ( Support 2.5"HDD, max 128G SD Card) protect from Shock & Dust damage; support USB port data backup and device update;
7. Support 2 USB ports, data backup and equipment upgrades.
8. Support 9CH alarm input (1CH Analog input + 8CH IO alarm input),2CH Independent alarm output.
9. Support 2 CAN interface.
10. Support HDD heating functions,can work in harsh environment.
11. Support GPS/BD/G-Sensor Extension module;
12. Realize real-time monitor through 3G/4G;
13. Support Broadcast/Intercom/Text sent etc;can add oil sensor/temperature sensor/POS/LED Advertisement Panel;
14. Support OTG device upgrade automatically, , device can automatically upgrade version update, maintenance is more convenient
15. Support IOS/Android Phone Remote monitor
16. High reliability aviation connectors, high cost performance, stable and reliable.

## 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 Welcome | Manager | Exit

Report Device User

### Mileage Summary

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

Device: All Devices

Index	Vehicle	Total Mileage (KM)	Begin Time	Start Mileage (KM)	Start Position	End Time	End Mileage (KM)
1	鄂E23114	174.88	2016-01-08 09:03:32	22.95	22.52424,114.00844	2016-01-08 16:25:41	157.83
2	鄂E23130	202.07	2016-01-08 07:33:17	18.1	22.88429,112.89282	2016-01-08 16:25:28	171.97
3	24312	277.42	2016-01-08 07:08:55	23.41	23.36882,116.675227	2016-01-08 14:57:24	300.83
4	鄂A78248	97.4	2016-01-08 00:00:25	299.97	41.572489,118.788245	2016-01-08 09:42:38	41.09
5	24323	0	2016-01-08 00:00:07	18.26	37.758759,120.731127	2016-01-08 16:19:07	18.26
6	鄂N5307	416.36	2016-01-08 06:08:54	96.66	35.481432,117.643793	2016-01-08 16:20:11	82.63
7	鄂J81712	120.98	2016-01-08 04:48:40	28.51	35.876478,117.681843	2016-01-08 14:25:07	144.92
8	鄂N2520	45.61	2016-01-08 00:00:03	139.13	22.654294,112.488993	2016-01-08 16:15:15	115.82
9	鄂N2553	48.61	2016-01-08 08:00:27	92	22.854197,112.497865	2016-01-08 16:11:28	73.72
10	鄂N2368	111.72	2016-01-08 00:00:15	145.61	22.654321,112.488845	2016-01-08 16:24:48	93.9
11	鄂N25110	52.02	2016-01-08 00:00:10	93.24	22.654294,112.487795	2016-01-08 16:15:55	57.92
12	鄂A3883	855.08	2016-01-08 00:00:29	354.36	35.958843,117.658700	2016-01-08 16:24:44	1009.74
13	24358	224.42	2016-01-08 07:00:58	44.57	37.94878,118.844370	2016-01-08 16:17:34	60.4
14	28999	2.38	2016-01-08 13:13:09	17.6	28.734483,121.235817	2016-01-08 13:57:27	19.66
15	01566	369.29	2016-01-08 00:00:54	51.04	33.733305,115.868921	2016-01-08 16:03:58	420.33

## 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



AV Input Cables



AV Output Cable



IO Cables



Power Cable



Remote Control



CD ( Manual & Software inside)

**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

# Certification

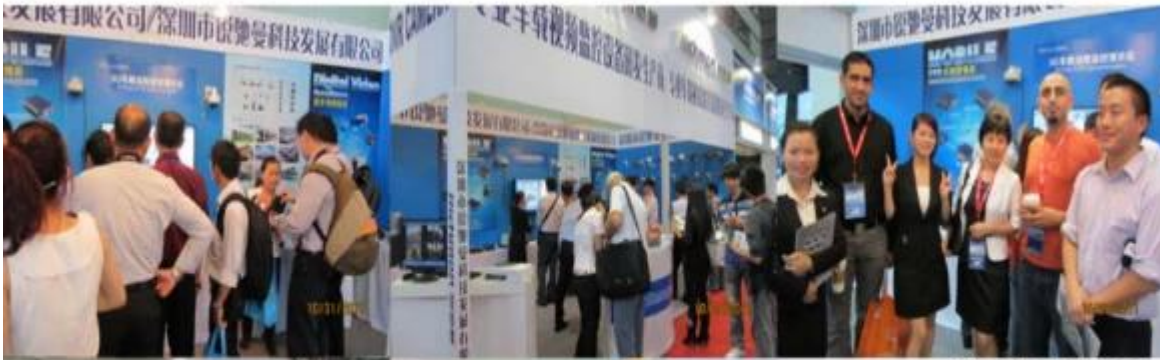


## Exhibition



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