

# 4ch SD card h264 CCTV Mobile DVR for all kinds of vehicles

(RCM-MDR210 Series)

## Product features

### 4ch 720P 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.

| RCM-MDR 210 Series |   |
|--------------------|---|
| Model NO.          | Function                                      |
| RCM-MDR210XXXI     | Basic Recording,G-Sensor, Single SD card slot |
| RCM-MDR210XGXX     | GPS, G-Sensor, Single SD card slot            |
| RCM-MDR210WGSX     | 3G, GPS, G-Sensor, Dual SD card slot          |
| RCM-MDR210FGSX     | 3G, 4G, GPS, G-Sensor, Dual SD card slot      |
| RCM-MDR210WGDY     | 3G, WIFI, GPS, G-Sensor, Dual SD card slot    |
| RCM-MDR210FGDX     | 3G, 4G, WIFI, GPS, G-Sensor,Dual SD card slot |

## Detail pictures

**4ch 720P 3G 4G Mobile DVR**



Device back view

**4ch 720P 3G 4G Mobile DVR**



Device front view

4ch 720P 3G 4G Mobile DVR

### LED Indicators



4ch 720P 3G 4G Mobile DVR

## Back Panel



## 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.<br>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;<br>NTSC: 120f/s, CCIR525 line,60field;<br>CIF: 256Kbps ~ 1.5Mbps, 8 level video quality optional;<br>HD1: 600Kbps ~ 2.5Mbps, 8 level video quality optional;<br>D1: 800Kbps ~ 3Mbps, 8 level video quality optional;<br>720P: 4Mbps-6Mbps, multi level video quality optional |
|                     | Record Mode   | The default setting is auto recording after power on.<br>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.<br>(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<br>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 surveillance GUI

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



## Online software interface

Mobile monitoring and management platform

Welcome to log in! FCHTEST System

Video Map Playback System Set Log Query Extend App

Dev List Polling My Map

Monitor Center(112)

- 桂KY7569
  - CH1
  - CH2
  - CH3
  - CH4
- 桂KY7586
  - CH1
  - CH2
  - CH3
  - CH4
- 桂KY7599
- 贵C26562
- 贵C A6446
- 80319
- 贵F95001
- 桂KY7507
- 贵B0024

Status PTZ Color VOP

Device type MDVR  
 Vehicle Name 桂KY7586  
 Vehicle ID 20041  
 Company  
 Their Group Monitor Center  
 Status Online  
 Positioning Time 2015-07-23 11:53:57  
 Location 广西壮族自治区玉林市博白  
 Speed 0.00 km/h(Northeast)  
 Costs Normal

1 桂KY7586 - CH1 - 10 KB/S  
 2 桂KY7586 - CH2 - 4 KB/S  
 3 桂KY7586 - CH3 - 29 KB/S  
 4 桂KY7586 - CH4 - 0 KB/S

Monitor:2 Online:2 Alarm:0 Offline:0 Idling:0 ACC OFF:0 GPS Invalid:0

| Device  | Positioning Time    | Position             | Speed                | Alarm | Sta  |
|---------|---------------------|----------------------|----------------------|-------|------|
| 桂KY7569 | 2015-07-23 11:53:47 | 广西壮族自治区玉林市博白县兴隆中路10号 | 0.00 km/h(West)      |       | (On) |
| 桂KY7586 | 2015-07-23 11:53:57 | 广西壮族自治区玉林市博白县S216    | 0.00 km/h(Northeast) |       | (On) |

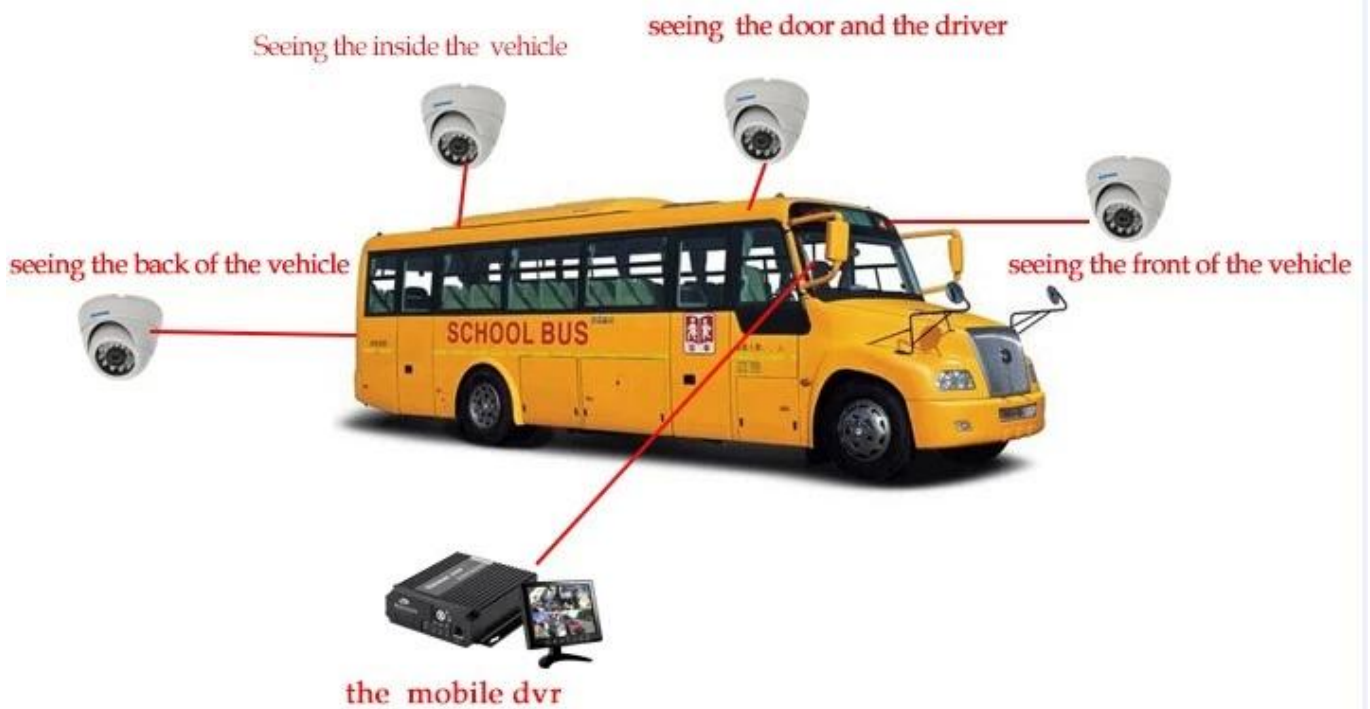
Address Search

桂KY7586  
 Time:2015-07-23 11:53:57  
 Mileage:8.92 km  
 Speed:0.00 km/h(Northeast)  
 Position:广西壮族自治区玉林市博白县  
 Status:(Online)ACC ON,SD Card:Error,Network up  
 Network:3G

200米

Running: 00:02:05 Online:6 / Number of set loss:4 / Alarms:0 / Total:12 Live Rate:50.00% / Lost Rate:33.33%

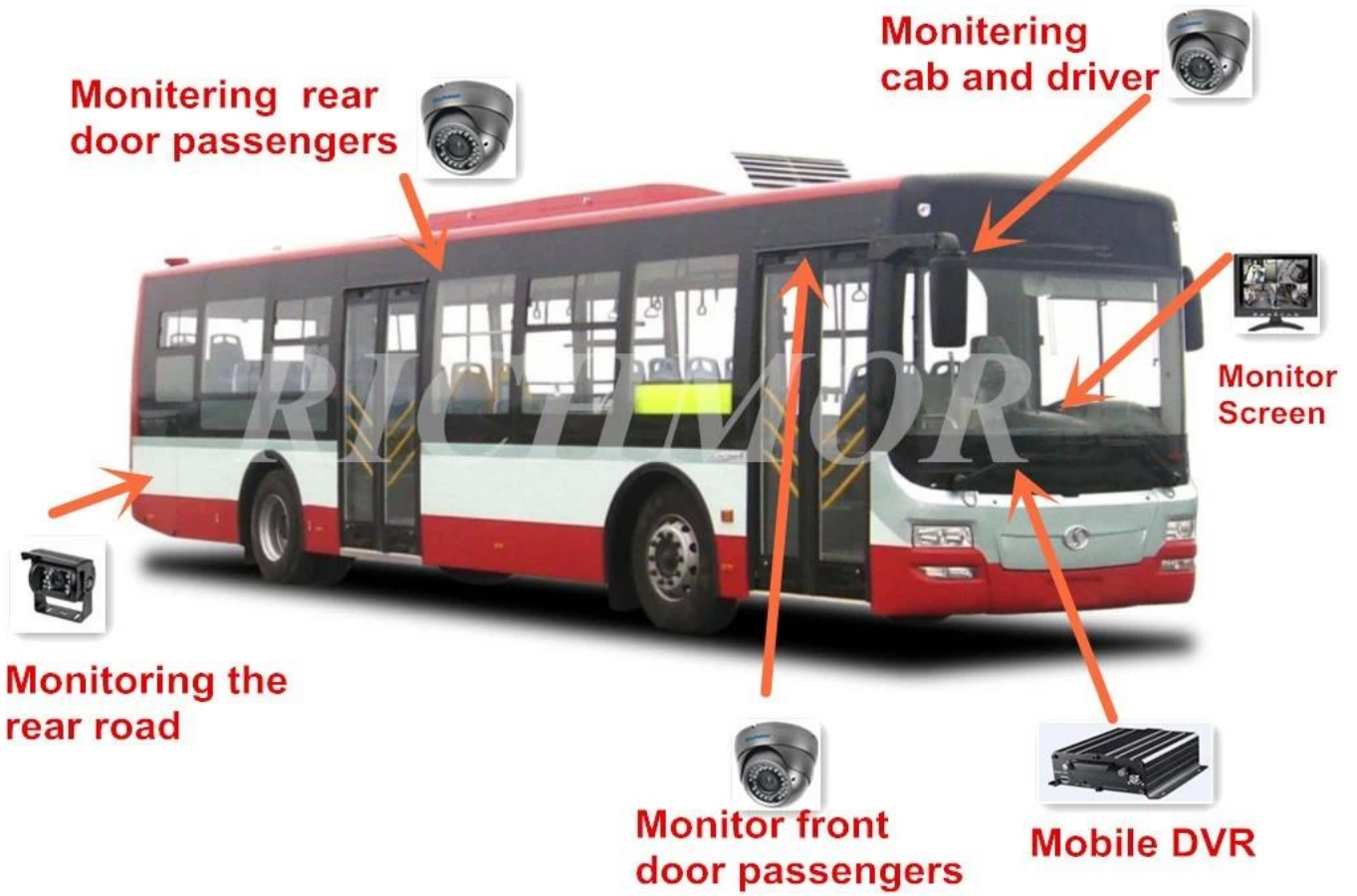
## Remote Viewing Surveillance 3G 4G Mobile DVR School bus solution



## The Professional Mobile DVR Solution For Truck



# Professional Mobile DVR Solution for Bus









## 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



Richmor Brand Package



Standard Package

## 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:



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