

## Product Description

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### MAIN FEATURES

H.264 Compression, 8CH Real-time 720P/4ch 1080P High definition camera input.

2CH video output (1CH CVBS video, 1CH VGA output for optional.)

Exclusive pre-allocate File System protect data completeness, prevent SD Card fragment, ensure data stable and complete.

8-36V wide voltage with low power consumption.

Unique UPS Technology ensures the integrality of record when power failure occurs, even can for 8-10s.

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;

Support 2 USB interfaces, data backup and device upgrade.

Support 8CH alarm input (1CH Analog + 7CH IO Alarm input), 2CH independent alarm output.

Support 1 CH CAN port.

Support HDD heating functions, can work in harsh environment.

Support GPS/BD/G-Sensor Extension modules;

Realize real time monitor through 3G/4G;

Support WIFI module, can download data automatically.

Support Broadcast/Intercom/Text sent etc; can add oil sensor/temperature sensor/POS/LED Advertisement Panel;

Supporting the ministry of communications agreement. Support SMS remote configure/ control device;

OTA(On-The-Air) Device automatically upgrade function, can upgrade to updated version, maintenance is more convenient.

Support voice call function.

Support IOS/Android Phone Remote monitor

High level aviation interface, easily installation and better shockproof, more stable;

| Item                |                          | Parameter  |
|---------------------|--------------------------|--|
| OS                  |                          | Linux  |
| Language            |                          | Chinese/English/Others (can be customized)   |
| Video Compression   |                          | H.264 Compression Mode   |
| OSD                 |                          | Overlays information such as date time and vehicle ID  |
| GUI                 | Graphical User Interface | Can connect to external LED screen. Setup system parameters with the remote control.   |
| Video Record System | Video Input              | 4CH 1080p or 8ch 720p input ,aviation connector.   |
|                     | Video Output             | 1CH CVBS+ VGA output for optional, 1.0Vp-p, 75 Ω   |
|                     | Preview                  | Support 1 channel, 4 channels,9channels preview.,Support Manual/Alarm Trigger full screen preview  |
|                     | Resolution               | 1080p/720p/D1/HD1/CIF, MAX:4 channels 1080p or 8 channels 720p   |
|                     | Video Quality            | 0-7 levels, 0 is the highest level, 7 is the lowest level.   |
|                     | Video Standard           | CIF: 256Kbps ~ 1.5Mbps, <u>multi levels video quality optional</u><br>HD1: 600Kbps ~ 2.5Mbps, <u>multi levels video quality optional</u><br>D1: 800Kbps ~ 3Mbps, <u>multi levels video quality optional</u><br>720P:4Mbps-6Mbps, <u>multi levels video quality optional</u><br>1080P:4Mbps-8Mbps, <u>multi levels video quality optional</u> |
|                     | 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  |
|                     | Audio Output             | 1CH  |
|                     | Compression              | G.711 compression, 8KB/s speed   |
| Alarm Input         |                          | 7CH IO Alarm Input+1ch AD input; Support alarm linkage function  |

|                                   |                      |  |
|-----------------------------------|----------------------|--|
| Voltage &<br>Power<br>Consumption | Power Management     | Adaptive wide power input, support Wide Voltage, Over-load、Over-voltage、<br>Short Circuit、Reverse Protection..Support Time Setting/Delay power off |
|                                   | Voltage Input        | DC:+8V ~ +36V  |
|                                   | Voltage Output       | +12V@2.5A, +5V@2.5A  |
|                                   | Power-off Protection | UPS Technology,All video information can be saved automatically when the<br>power is cut off, and make sure that all the files can not be damaged. |
|                                   | Power Consumption    | Normal Working <5W   |
| Working Environment               | Temperature          | -20°C to +70°C   |
|                                   | Humidity             | 20% to 80%   |
| others                            | Size                 | 187 (D) * 188 (W) * 67 (H) mm  |
|                                   | Net Weight           | 1.8kg  |

## RMSV6 INTERFACE

Easily Smart GUI Interface, saving time in device setting.



Dashboard interface for vehicle monitoring. The top navigation bar includes: Home, Video, Map, Playback, System Set, Log Query.

**Left Panel: Dev List**

- Monitor Center(12)
  - 00027
  - 00029
  - 000200
  - 00002
  - 00004
  - 00035
  - 99030
  - 11451
  - 0010154
  - 000023
  - 007626
  - 007629

**Bottom Left: Vehicle Details**

| Status           | PTZ | Color | WOP                 |
|------------------|-----|-------|---------------------|
| DeviceType       |     |       | MDVR                |
| Vehicle Name     |     |       | 贵D62868             |
| Vehicle ID       |     |       | 99057               |
| Company          |     |       | [Redacted]          |
| Their group      |     |       | Monitor Center      |
| Status           |     |       | Online              |
| Positioning Time |     |       | 2014-12-19 11:16:24 |
| Vehicle Location |     |       | [Redacted]          |
| Speed            |     |       | 82.40 km/h(North)   |
| Costs            |     |       | Normal              |

**Center: Map**

Map showing vehicle location in China. Search bar: Address [ ] Search [ ]

**Bottom Center: Device List**

| Device  | Positioning Time    | Position         | Speed             | Alarm |
|---------|---------------------|------------------|-------------------|-------|
| 00002   | 2014-12-10 18:33:05 | 四川省宜宾市兴文县香山路49号  | 1.70 km/h(West)   |       |
| 007626  | 2014-12-19 10:49:39 | 贵州省遵义市桐梓县佛海源公司   | 7.70 km/h(West)   |       |
| 0062868 | 2014-12-19 11:16:24 | 贵州省遵义市桐梓县        | 82.40 km/h(North) |       |
| 007629  | 2014-12-17 10:58:58 | 贵州省遵义市桐梓县漆树镇漆树公路 | 0.00 km/h(West)   |       |

**Right Panel: Video**

Four video thumbnails showing camera feeds from different vehicles.

**Bottom Status Bar**

Running: 00:02:05 | Online:3 / number of set loss:0 / Alarm:0 / Total:12 | The rate:25.00% / Lost rate:50.00%



## Customer Feedback

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### David from USA.

This supplier has good softwares ability and can meet my needs. The sample works very good. I am hoping to order more.

### Tony from Russia.

The cooperation is satisfied. The products are good. Very strong housing case. My clients like a lot.



### Jose from Columbia.

We made correct decision in choosing this supplier. We are now having much better management and control on our vehicles. The ticket cash are more each day.



## Detailed Images

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**VERIFICATION OF CONFORMITY**

**Verification of Conformity**  
Reference No.: L23124928719

**Responsible Party:** Shenzhen Richmor Technology Development Co., LTD.  
**Address:** 2F No.24 West Longgang Road, Longgang New District, Shenzhen, China  
**Product:** Camera  
**Model No.:** RCM-IP120L, RCM-IP120H, RCM-LP120L, RCM-LP120H, RCM-IP120S, RCM-IP120HS, RCM-240, RCM-480, RCM-960, RCM-1440, RCM-2880, RCM-5760, RCM-11520, RCM-23040, RCM-46080, RCM-92160  
**Trade Mark:** Richmor  
**Standards:** FCC CFR 47 PART 15 Subpart B, 2011, ANSI C63.4-2008

**Important note:**  
This device is in compliance with Part 15 of the FCC Rules and Regulations for radio frequency devices. Operation of this product is subject to the following two conditions:  
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.  
Marked to perform in the applicable FCC Rules and Regulations. The method of testing was in accordance to the most accurate measurement standards possible, and that all necessary steps have been followed to assure that all production units of the same equipment will continue to comply with the Federal Communications Commission requirements.

Shenzhen LCC Compliance Testing Laboratory Ltd.  
27, Anqiang Industrial Park, Tangxia Town, Bao'an Dist., Shenzhen, Guangdong, China  
Tel: 0875-92429113 Fax: 0875-92429112  
http://www.lcc-test.com Email: richmor@lcc-test.com

April 16, 2012

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**Address:** 2F No.24 West Longgang Road, Longgang New District, Shenzhen, China  
**Product:** Mobile DVR  
**Model No.:** RCM-MD100L, RCM-MD100H, RCM-MD100S, RCM-MD100HS, RCM-MD100T, RCM-MD100TS, RCM-MD100U, RCM-MD100US  
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**Trade Mark:** Richmor

The submitted products have been tested by us with the latest standards and found in compliance with the following European Directives:  
The EMC Directive 2004/108/EC  
EN 55022: 2005, EN 55024: 2010

The test was performed in normal operation mode. The test results apply only to the particular samples tested and to the specific tests carried out. This certificate applies specifically to the samples investigated in our test laboratory under test only.

The CE markings on other parts can be affixed to the product after preparation of necessary technical documentation.  
Other relevant Directives have to be observed.

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**Richmor**

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**Trade Mark:** Richmor

The submitted products have been tested by us with the latest standards and found in compliance with the following European Directives:  
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EN 55022: 2005, EN 55024: 2010

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**RoHS**

**RoHS**



**Q:Are you factory manufacturer or trade company?**

We are factory manufacturer,we have our own factory and technology/skill support,we have engineers to support/take charge of R&D ,resolve problems product.

**Q: Does the MDVR support Hard drive and SD card?**

Yes, HDD version MDVR supports SSD, HDD, and SD card. SD card version MDVR supports max 2 SD card.The storage capacity can be from 32GB to 2TB.

**Q: Is it difficult to install MDVR into the vehicle?**

**Actually it is easy to install it into vehicle. Most driver can figure out how to connect the power cables.**And the camera installation is more easy. Just screw, connect and mount on the target place inside the vehicle.

**Q: If I need door open and close alarm, overspeed alarm, reverse video, brake video, left-turn video, right-turn video, etc,is it available?**

Definitely yes!The I/O RS232 and 485 extension port is for all expanded purposes, including the functions above.In fact, there are more customized functions which can be connect through this port, such as Fuel sensor, Counter system,PTZ camera, and so on.

**Q: We have our own platform and server, can we use your MDVR? Do you have SDK or can you do customized platform for us?**

Yes, we have SDK ready and welcome your OEM customized order!

**Q: We have our own platform and server, can we use your MDVR? Do you have SDK or can you do customized platform for us?**

Yes, we have SDK ready and welcome your OEM customized order!

**Q: Does the MDVR come with accessory, such as HDD, SD card, Microphone, Camera, Extension cable etc?**

We have all accessories ready. You can ask us to make the complete quote for one whole set. Normally the MDVR doesn't include any accessory. Therefore it is advisable to inform us about your target accessory. All are can done right here. One-stop-serve purchasing.

**Q: Can I get a sample to test before formal order?**

Yes, you can. We can provide sample with 1 month test period. It will demand some deposit and the delivery (both send and resend) cost is supposed to be on your own side. If the deliver cost is not so high, we recommend this way. If not, then we do not recommend you do this. Do not forget the import tax as well.

**Q: How many camera in one set? Can I use my own accessory?**

A: The accessory depends on you. The normal quotation is based on MDVR only. The accessory would not be quoted until you ask for them. And it is OK to use your own accessory. It is compatible.

**Q: What can I do if the MDVR fails to work?**

A: You can send it back to us. Remember that we provide 12 months quality warranty under normal use. If you send it back, we will inspect the MDVR in details and repair it for you. However we seldom have returned defective MDVR. The quality is rather good!

**Easily Smart WIN8 Interface, saving time in device setting.**



Pls neváhejte kontaktovat **Amily** přímo pro vaše projekty vozidel ~~

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