

product specification:

Item	parameter	
Operating System	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 960P/720P AHD input,aviation connector, 1.0Vp-p, 75Ω
	video output	1 CVBS, 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 of 720P and 4 channels of D1
	image quality	1-4 levels, 1 is the highest level.
Video Record System	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
		1CH 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" 1TB 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
	Input Voltage	DC:+6V - +36V
	Output Voltage	+12V~1.5A,+5V~1.5A
	Power	Working<5W
Working Environment	Temperature	-20°C - +70°C
	Humidity	20% - 80%

Others	Size	200 (D)* 187(W)* 62(H) mm
	Weight	1.90Kg

Product Show;



**Factory Audit**

- SMS Device configure**
- OTA Remote Updating**
- 8CH Full D1 Real time monitor**
- 2TB HDD + 128GB SD Card**

# Richmor

OEM/ODM Customized  
 Factory Price  
 Independent R&D Tech  
 Low Moq



RICHMOR TECH

CE

FCC



ROHS





**SMS Device configure**  
**OTA Remote Updating**  
**8CH Full D1 Real time monitor**  
**2TB HDD + 128GB SD Card**

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AV Input Cables



AV Output Cable



Power Cable



IO Cables



Remote Control



GPS Antenna



CD ( Manual & Software Inside)



SD Mobile DVR



Richmor Brand Package



Standard Package

# Client User Graph Interface

**移动视频监控平台**

系统 | 实时预览 | 电子地图 | 回放管理 | 信息管理 | 系统设置

终端列表 | 轮询列表 | 我的地图

设备类型: MDVR  
终端名称: 贵C A6446  
终端ID: 80109  
公司: 遵义集团金融公司  
所属分组: 贵州  
状态: 在线  
GPS时间: 2016-03-14 09:50:09  
位置: 贵州省遵义市习水县G4215(带道高速)  
速度: 74.10 km/h(南)  
费用: 正常

终端	GPS时间	位置	速度	报警
贵C A6446	2016-03-14 09:50:09	贵州省遵义市习水县G4215(带道高速公路)	74.10 km/h(南)	
桂KY7507	2016-03-14 09:50:17	广西壮族自治区玉林市博白县人民中路38号	11.00 km/h(北)	
桂KY7569	2016-03-14 09:50:38	广西壮族自治区玉林市博白县X403	27.00 km/h(西北)	
桂KY7599	2016-03-14 09:49:03	广西壮族自治区玉林市博白县S216	0.00 km/h(东)	

运行时长: 00:01:04 | 在线数: 3 / 定损数: 1 / 欠费: 0 / 总数: 11 | 在线率: 27.27% / 定损率: 9.09%

## Application



## FUNCTIONS

- Video & Audio real-time monitoring
- Online Vehicle Status
- Satellite Map
- GPS
- Video Storage
- Tracking Display
- Intercom
- Fuel Sensor
- G-Sensor
- Temperature-Sensor

**Richmor**

OEM & ODM Service

Brasil World Cup Supplier  
[www.rcmctv.com](http://www.rcmctv.com)



Truck  
Coach



School Bus  
Bus



Police Car  
Taxi



Support  
All Vehicles

certificate

### VERIFICATION OF CONFORMITY

#### Verification of Conformity

Reference No. LC0304000076

Responsible Party: Shenzhen Refactor Technology Development Co., LTD.

Address: 27 No.44 West Longgang Road, Longhua New District, Shenzhen, China

Product: Camera

Model No.: NCM-PC01A, NCM-PC01B, NCM-PC01C, NCM-PC01D, NCM-PC01E, NCM-PC01F, NCM-PC01G, NCM-PC01H, NCM-PC01I, NCM-PC01J, NCM-PC01K, NCM-PC01L, NCM-PC01M, NCM-PC01N, NCM-PC01O, NCM-PC01P, NCM-PC01Q, NCM-PC01R, NCM-PC01S, NCM-PC01T, NCM-PC01U, NCM-PC01V, NCM-PC01W, NCM-PC01X, NCM-PC01Y, NCM-PC01Z, NCM-PC02A, NCM-PC02B

Trade Mark: Refactor

Standards: FCC CFR 47 PART 15 Subpart B, 91.401, 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) The device may not cause harmful interference, and (2) the device must accept any interference received, including interference that may cause undesired operation. The Federal Communications Commission (FCC) Rules and Regulations, The Federal Trade Commission (FTC) rules and Regulations, and other applicable laws shall be followed in the testing process to ensure that all products comply with the applicable FCC Rules and Regulations. The Federal Trade Commission (FTC) Rules and Regulations, and other applicable laws shall be followed in the testing process to ensure that all products comply with the applicable FTC Rules and Regulations. The Federal Trade Commission (FTC) Rules and Regulations, and other applicable laws shall be followed in the testing process to ensure that all products comply with the applicable FTC Rules and Regulations.

Shenzhen LCC Compliance Testing Laboratory Ltd.  
27, Jingqian Industrial Park, Tongbu Road, Bao'an District, Shenzhen, Guangdong, China  
Tel: (86)755-82910100 Fax: (86)755-82910110  
http://www.lcc-test.com Email: test@lcc-test.com

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Address: 27 No.44 West Longgang Road, Longhua New District, Shenzhen, China

Product: Mobile DVR

Model No.: NCM-MDR01, NCM-MDR02, NCM-MDR03, NCM-MDR04, NCM-MDR05, NCM-MDR06, NCM-MDR07, NCM-MDR08, NCM-MDR09, NCM-MDR10, NCM-MDR11, NCM-MDR12, NCM-MDR13, NCM-MDR14, NCM-MDR15, NCM-MDR16, NCM-MDR17, NCM-MDR18, NCM-MDR19, NCM-MDR20

Trade Mark: Refactor

Standards: FCC CFR 47 PART 15 Subpart B, 91.401, ANSI C63.4-2008

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Trade Mark: Refactor

The submitted products have been tested to conform with the latest standards and found in compliance with the following European Directives:  
**The EMC Directive 2014/53/EU**

The tests were performed in normal operation mode. The test results apply only to the particular sample tested and to the specific test carried out. This certificate applies specifically to the sample investigated and is not a general statement of conformity.  
The CE Marking as shown below can be affixed on the product after preparation of necessary technical documentation.

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Trade Mark: Refactor

The submitted products have been tested to conform with the requirements of Commission Decision of 27 July 2011 amending Directive 2011/65/EU.  
**RoHS**

The test results are issued by the Company subject to the Federal Conditions of Service printed herein. The results shown in this test report refer only to the particular tested sample unless otherwise stated. This Test Report cannot be reproduced without the written permission of the Company.

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# Richmor

## CPSE2012 in Shenzhen



CPSE2013

10.29-10.31

4 Booth we have

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