

# OPERATION MANUAL

Mini Digital Video Recorder and

Mini IR CCD Camera

## Operating Instructions

Before operating the unit, Please read this manual thoroughly, and retain it for future reference .



**ROHS CE FCC**

## **Warning:**

Be sure to read the following before using the recorder and the mini camera.

## **Attention**

- Whenever connect or separate the camera from the DVR , please power off DVR
- Whenever plug in or pull out the sd from the DVR , Please power off DVR
- To Prevent fire or shock hazard , do not expose the unit to rain or moisture.
- To avoid the potential risk of data loss always copy data to a disk
- Do not detach or rebuild and repair by yourself.
- Do not knock the product strongly.
- Please contact seller for any repairing matters.

## **LCD screen and mini camera**

Be careful when placing the camera near a window or outdoors . Exposing the LCD screen or the lens of camera to direct sunlight for long period may cause malfunctions.

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## **Features:**

### **DVR**

- 1.Portable body camera
- 2.Zoran Taiwan Chip
- 3.960\*320 2.7 Inch LCD
- 4.Video resolution  
1080P@30fps,720P@60fps,480P@30pfs ( optional)
- 5.Photo resolution: 16M,12M,5M,3M
- 6.Motion Detection , Video Recording(Loop Recording) ,Tacking Photo(Continuous Shooting), Pre-Recording (5s)
- 7.Power saving , automatic sleep
- 8.2.4g wireless remote control , 1-5 meters
- 9.Built-in in 128 MB, support max 32 Gb SD card (1080P:  
10 hours)
- 10.Removable 2200mah Lithium battery , 4 hours life time , 35 hours standby, 4 hours charging
- 11.AV , video out put to a big screen

### **Camera 501(optional)**

- 1.Button mini hidden camera
- 2.Sensor 1/3 Inch 3Mpixels image sensor
- 3.WDR Picture and Video quality
- 4.3.7MM 65 degree viewing
- 5.0.1Lux Low Illumination

### **Camera 503(optional)**

- 1.Button mini hidden camera
- 2.Sensor 1/3 Inch 3Mpixels image sensor
- 3.WDR Picture and Video quality
- 4.3.7MM 65 degree viewing
- 5.0.01Lux Low Illumination

### **Camera 502(optional)**

- 1.IR 4 pcs Led night vision 3-5 meters
- 2.Sensor 1/3 Inch 3Mpixels image sensor
- 3.WDR Picture and Video quality
- 4.2.1MM 110 degree viewing
- 5.0Lux Low Illumination ( IR ON )

## Identifying the part of the mini DVR



1. USB Data	2. Earphone/AV-Out
3. Screen Unlock	4. Quick-Record
5. DC	6. SD Card Slot
7. Rec.	8. Picture
9. Up	10. Enter/Replay
11. Down	12. Power on /off , Menu
13. HDMI Video-in	14. Battery Lock



1.Connect	2.Up
3.Picture	4.Rec.
5.Replay/Stop/Ok	6.Menu
7.Down	

# Identifying the part of the camera 501



1.Power on	2.Power Off
3.Mic	4.Rec
5.Take Photo	



## Identifying the part of the camera 503





## Identifying the part of the camera 502



1.Led light	2. light sensing
3.Mic	4.Indicator light
5.Rec	6.Clip

## One touch record (audio&video)

### 4 types video record modes :

- 1.DVR power on and switch the  auto record key to left side , video record start . switch to right side, video stop recording and save ( when you switch to left side , when you power on , dvr will auto video record )
- 2.DVR power on and click  Rec. Button, video record start , click again , video stop recording and save . (do not work when the DVR lock )
- 3.DVR power on and click remote record button , video start record, click again , video stop and save .
- 4.Use the camera record button




### LED indicator :

Mode	Led indicator
Recording video	Red-flashing
Photo tacking	Red-flashing one time
Full charged	Indicator light off
No signal	Blue-off

### Vibration indicator :

Mode	Vibration indicator
DVR power on / off	Vibration 2 s
Video record start	Vibration 1 time
Video record stop	Vibration 3 times
Photo taking	Vibration 1 time
No signal	Vibration 2 times

## Motion Detection/ Pre-recod 5s

Dvr power on ,open the Dvr menu  , select Pre-Capture ( Motion Detection), After setting , press  ”record key return to standby mode,DVR will change to motion detection mode(pre-record 5s) ,  shows on the bottom-left of the screen at the same time.(Note: motion detection need set again , when the dvr restart)

## DVR setting menu :

- 1.Photo resolution : 16M,12M,5M,3M
- 2.Video resolution:1080P30,720P60,720P30,480P30
- 3.Continuous Photo shooting : ON , OFF (3 photos)
- 4.Pre-Capture: Motion Detect , Manual, OFF
- 5.Over write : ON , OFF



- 6.Vibration motor : ON , OFF

7.Language: English ,简体中文, 繁體中文, 한국의, русский, 日本の

8.Auto LCD off: 45Sec, 30Sec,15Sec,OFF

9.Auto sleep : 3Min, 2Min,1Min,Off

10.Auto power off : 15Min, 10Min, 05Min, OFF

11.Frequency: 50Hz ,60Hz

12.TV standard: PAL , NTSC, LCD

13.2.4G Remoter: Set, Cancel

14.Default: OK , Cancel

15.Format: OK , Cancel

16.Date/Time: 2013/05/20

+08 00:21:24

17.Date Stamp: ON,OFF



18.User number: Set , OFF ( support numbers and letters)



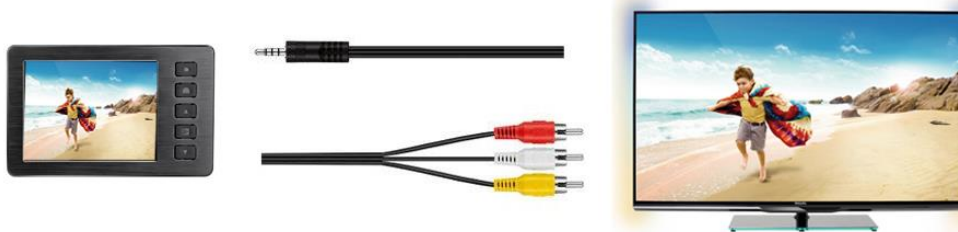
19.Memory infos: movie,photo,free space, total space:

20.Version: Ver:1.2.15


## **Playback :**

Dvr power on ,click the playback  , replay photos and video , click menu  button , can delete the files or lock the files ( when you set Over write, the lock files will be save )

### **Palying back moving images on TV screen :**

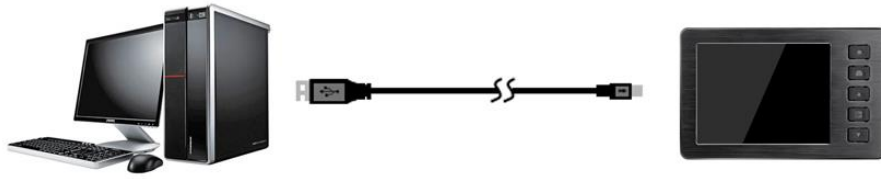


When the dvr power on , connect the dvr with TV screen via AV output cable.

Dvr power on ,open the Dvr menu  , select TV standard ( choose PAL / NTSC).

### **Playing back oving images on PC :**

- 1.Take out the sd card , connect it with the computer via the card reader.
- 2.Conect the Dvr with the camera via the USB cable , them DVR Power on .



## **Specification :**

### **DVR**

2.7 LCD Screen	960x320 LCD
Video Output	NTSC / PAL
Definition	1080P/30, 720/30/60, 480/30
Video Press format	H.264
Frequency	20HZ-20KHz
Output	Stereo
Earphone output	L 20mW+R 20mW [16Ω](Max volume)
EMS Memory	128MB
Compatible Memory card	SD Card,Max 32GB SD Card ( 10 hours )
IBM-PC	Windows 98SE.ME.2000,XP
USB	USB 2.0
Match Power	DC 5V 2A
Build-in Battery	Li-ion battery 2200Mah , 4 hours charging
Video recording Time	≥4H
Standby Time	≥35H

DVR Szie	8.5*5.5*2.5cm
DVR Weight include battery	0.11kg

### Camera 501(Optional)

Len Recsolution	2304 (H)*1536(V)
Mpixels Image	1/3" 3MP
Lens Diameter	3.7MM
Angle Degree	65
Lllumination Sensitivity	0.1lux
Cable Distance	90cm
Camera Size (HxWxL)	2.9*2.9*2cm
Weight	0.015kg

### Camera 503(Optional)

Len Recsolution	2304 (H)*1536(V)
Mpixels Image	1/3" 3MP
Lens Diameter	3.7MM
Angle Degree	65
Lllumination Sensitivity	0.01lux



Cable Distance	98cm
Camera Size (HxWxL)	2.4*2.3*1.6cm
Weight	0.02kg

### **Camera 502(Optional)**

Len Recsolution	2304 (H)*1536(V)
Mpixels Image	1/3" 3MP
Lens Diameter	2.1MM
Angle Degree	110
Night Vision	Support, 4 pcs led , 3-5 meters
Lllumination Sensitivity	0lux(IR on)
Cable Distance	120cm
Camera Size (HxWxL)	5.5*4.7*3.6cm
Weight	0.045kg

# Accessories

## DVR

 <p><b>VD-5000II Machine</b></p>	 <p><b>Line Control</b></p>	 <p><b>Charger</b></p>	 <p><b>AV line</b></p>
 <p><b>Machine Case</b></p>	 <p><b>Earphone</b></p>	 <p><b>USB Cable</b></p>	 <p><b>User Manual</b></p>



### Camera 501(Optional)

 Camera	 HDMI Camera	 Buttons	 Wire Control
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### Camera 503(Optional)

 Camera	 Clip	 Buttons	
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### Camera 502 (Optional)

 HD Camera	 HMDI Cable		
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## Error Clear Operation

<b>Error</b>	<b>Reason</b>	<b>Method</b>
Power on light: off	Lack Power	Power charging
Camera Indicate light: off	Machine/line control/camera :Connect loose	Do connect the line and interface before power on again
Vibration unit continuous vibrating	Lack Power & EMS Memory full	Please connect charger for charging power or change EMS Memory