

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.

Contents

Getting Started

Features(DVR)-----04

Features(Camera)-----05

Identifying the part of the mini DVR-----

06/07

Identifying the part of the camera 501-----

08

Identifying the part of the camera 503-----

09

Identifying the part of the camera 502-----

10

Basic Operations

One touch Record (audio&video) ,LED

indicator ,Vibration indicator -----

-----11

Motion Detection/ Pre-recod5s, DVR setting menu ---12/13

Playback -----14

Specification-----15/16/17

Accessories,Error Clear Operation -----

18/19

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)



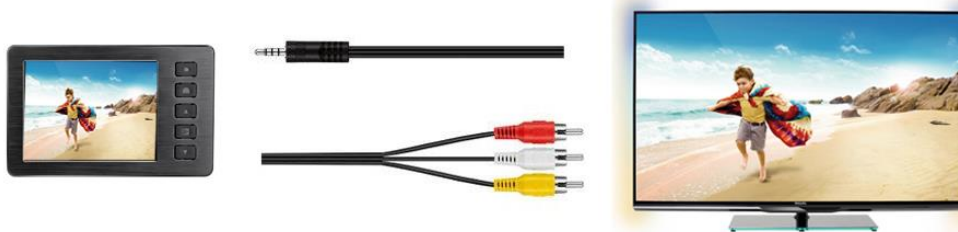
19.Memory infos: movie,photo,free space, total space:

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 :

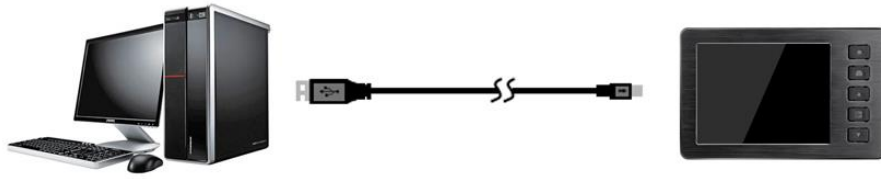


When the dvr power on , connect the dvr with TV screen via AV output cable.

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



Camera 501(Optional)

 Camera	 HDMI Camera	 Buttons	 Wire Control
---	--	---	---

Camera 503(Optional)

 Camera	 Clip	 Buttons	
---	---	--	--

Camera 502 (Optional)

 HD Camera	 HMDI Cable		
--	---	--	--

Error Clear Operation

Error	Reason	Method
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