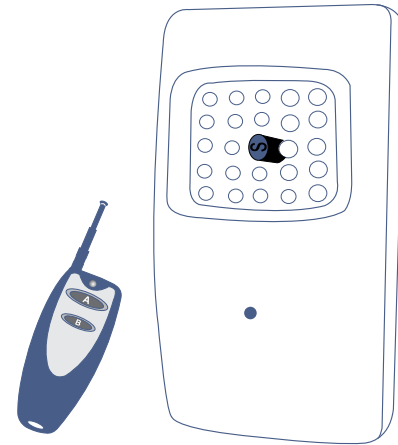


Manual



PIRDVR-11PW

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Attention!

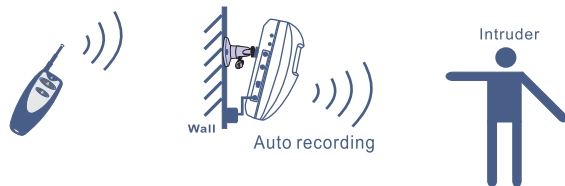
1. Don't take out sd card when dvr is recording.
2. Use original power adapter.
3. Format sd card by DVR if it's the first time use.
4. Keep device installed in dry and drafty.
5. Use genuine SD card.
6. Warranty is invalid if you disassemble the device.

Easy to use

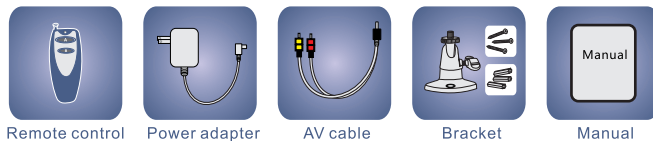
Welcome use our product.

This is an intelligent automatic recorder for room surveillance. It helps you monitor the room, and record what happened if there have some events.

You just need to press a key on remote,DVR will do rest things.



Accessories



Remote control

Power adapter

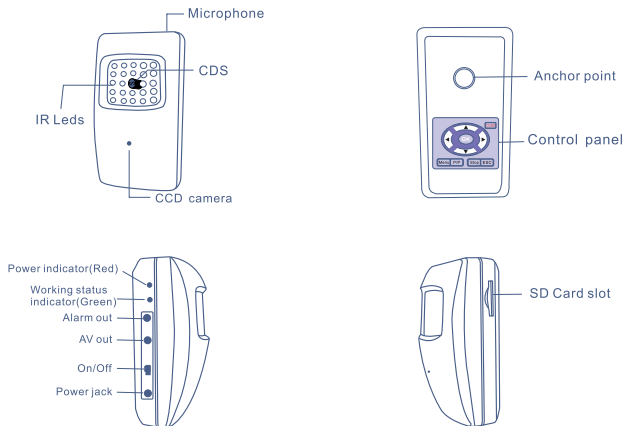
AV cable

Bracket

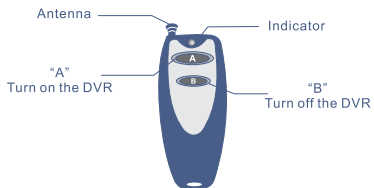
Manual

1. Device introduction

1.1 DVR

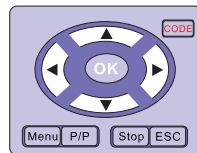


1.2 Remote Control



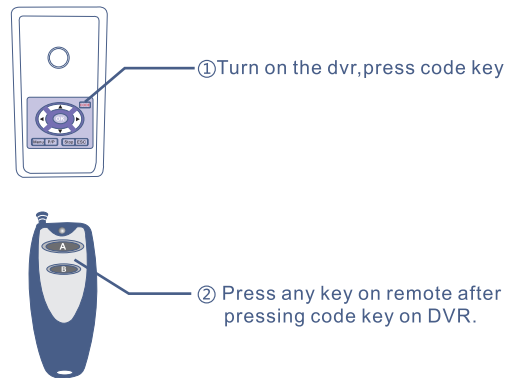
2

1.3 Control panel



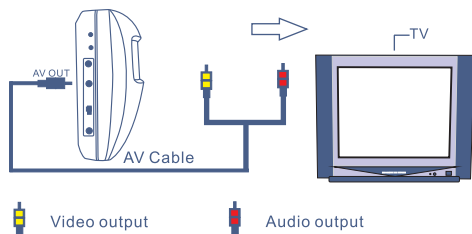
Keys	Funtions
▲	Move up
▼	Move down
◀	Move left
▶	Move right
OK	Confirm to operate/ Start recording
Menu	Enter into main menu
P/P	Playback/ Pause/ Delete video
Stop	Stop playback/ stop recording
ESC	Back to last menu/ Enter into play mode
CODE	Register remote control

1.4 Register remote control



3

2. Connect DVR with TV or Monitor



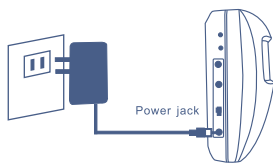
Video output



Audio output

3. Power and battery

*Please use original power adapter



Battery life

Status	Battery life
Standby	2.5 hours
Recording	2 hours
Charging	6 hours

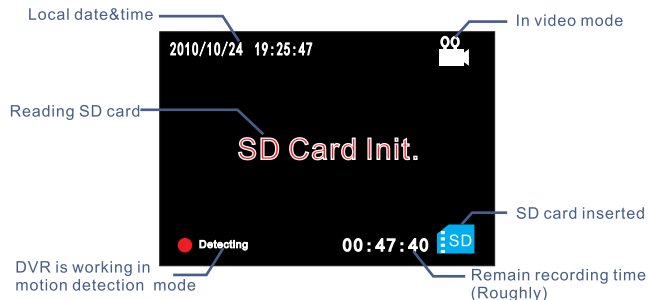
4. Indicator instruction

DVR Status	Working status	Red	Green
DVR ON	Power on	Constant light	Constant light
	Recording	Off	Flashing every 10 seconds
	Standby	Flashing every 10 seconds	Off
	Battery low	Flash quickly	Flash quickly
DVR OFF	Power off and charging	Flash	Off
	Battery fully charged	Off	Constant light
	Power off without charging	Off	Off

5. Symbols on screen instruction

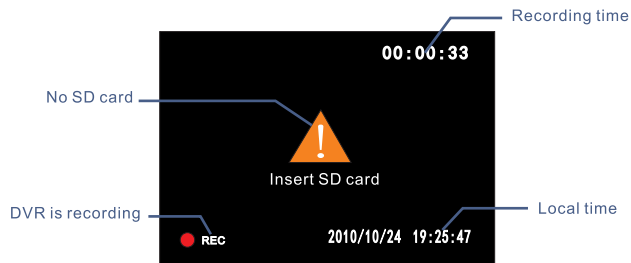
5.1 Standby mode

*The pictures for symbol instruction only



5.2 Recording mode

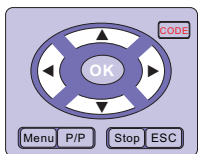
*The pictures for symbol instruction only



6. Setting

* You need to connect with TV or Monitor to set the DVR

6.1 Operate DVR on control panel



Keys	Funtions
▲	Move up
▼	Move down
◀	Move left
▶	Move right
OK	Confirm to operate/ Start recording
Menu	Enter into main menu
P/P	Playback/ Pause/ Delete video
Stop	Stop playback/ stop recording
ESC	Back to last menu/ Enter into play mode
CODE	Register remote control

Main operations:

Enter into Main Menu: press "Menu" key on control panel

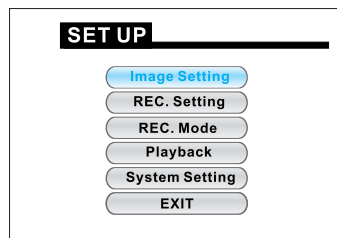
Choose items to set up: press the arrow keys

Active your choice: press "OK" key

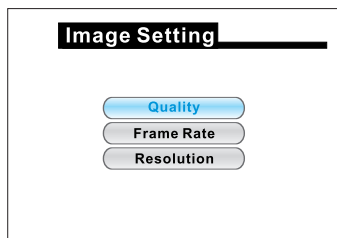
Go back to last menu: press "ESC" key

6.2 Image setting

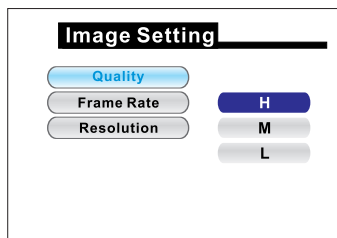
6.2.1 Image quality setting



A. Press "Menu" key to enter into DVR set up menu.



B. Press "OK" to active your choice



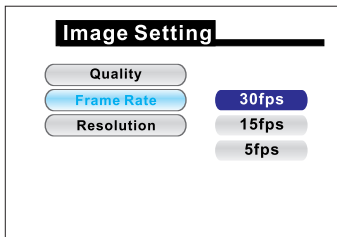
H: Best picture quality

M: Normal picture quality

L: Poor picture quality

* The poor picture quality will cause longer recording time

6.2.2 Video frame rate setting



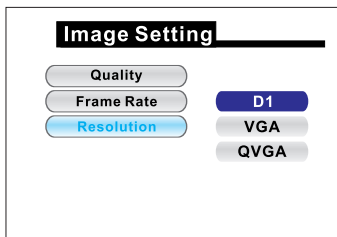
30fps: Smoothly video recording

15fps: Slack video recording

5 fps: Intermittent video recording

*The lower frame rate cause longer recording time

6.2.3 Image resolution setting



D1: 704X576

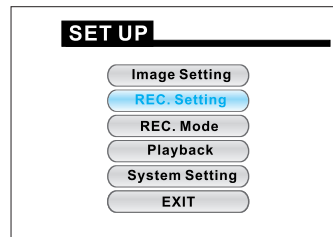
VGA: 640X576

QVGA: 320X288

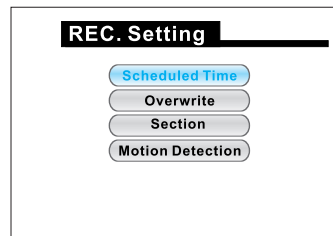
*The lower resolution cause longer recording time

6.3 Recording setting

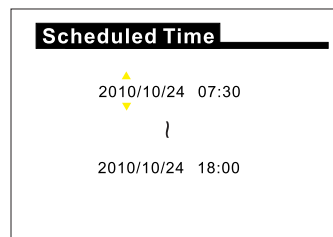
6.3.1 Scheduled time setting



A. Press "Menu" key to enter into DVR set up menu.



B. Set it for scheduled time start and stop recording automatically.

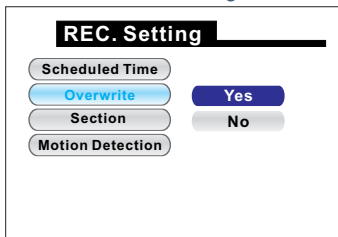


C. Press left and right arrow key to move the cursor.

Press up and down arrow key to adjust the number.

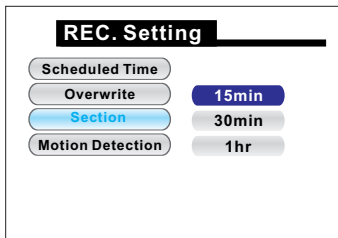
Press "OK" to save the setting

6.3.2 Overwrite setting



A. Delete about 300MB old files once the sd memory is full, and then save new files.

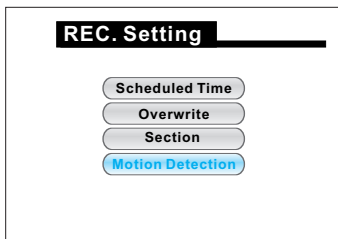
6.3.3 Recording time per section



B. Set recording time per section.

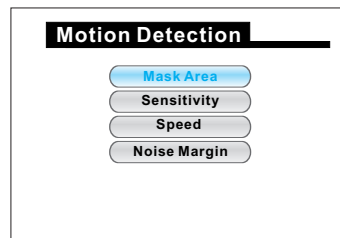
* Available in "Scheduled" and "Power Up Rec." mode only.

6.3.4 Motion detection setting

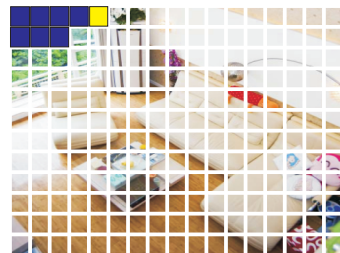


C. Set motion detection details

6.3.4.1 Mask Area



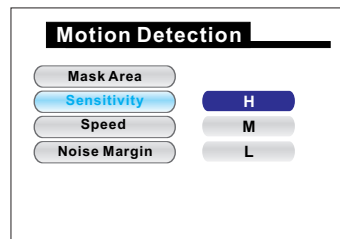
A. The screen will be full of grids after enter into "Mask Area" function.



B. Press direction arrow key to move the cursor and choose the area need not be detected by DVR.

C. Press "OK" to confirm. The blue grids will be shielded.

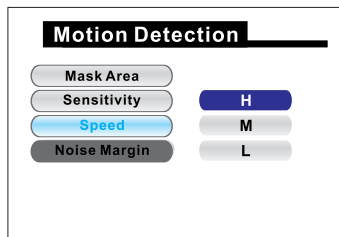
6.3.4.2 Sensitivity setting



H: High level
M: Middle level
L: Low level

The DVR will be triggered very easy if sensitivity is set in high level.

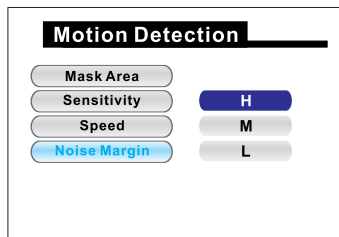
6.3.4.3 Speed



A. Changing the speed of images

The DVR will be triggered very easy if speed is set in low level.

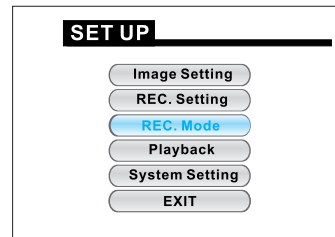
6.3.4.4 Noise Margin



B. Noise level on the picture

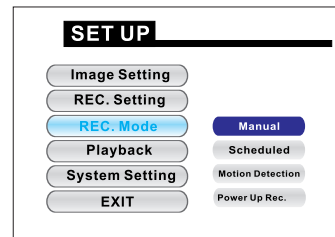
The DVR will be triggered very easy if noise is set in low level.

6.4 Recording mode setting



Set the working mode for DVR.

6.4.1 Recording mode Introduction



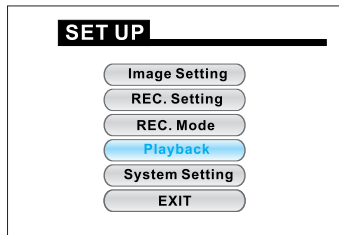
Manual:
Start and stop recording manually, press "OK" to start, Press "Stop" key to stop recording ;

Scheduled:
Start and stop recording by scheduled time only;

Motion detection:
Start and stop recording automatically by movement detected. Recording time is 150 seconds per section;

Power Up Rec.:
Start recording once the dvr power up. Stop recording by section time set.

6.5 Playback and delete video files



A. Press "OK" enter into file list mode

6.5.1 In file list mode

File Name	Date	Start Time
00000001	2010/10/24	06:57:54
00000002	2010/10/24	08:11:31
00000003	2010/10/24	13:53:24
00000004	2010/10/25	07:27:05
00000005	2010/10/25	07:28:35
00000006	2010/10/25	08:11:04
00000007	2010/10/26	22:55:14
00000008	2010/10/26	22:56:54

Page 01/14

Delete:

- A. Press up and down arrow keys to choose the file you want to delete.
 B. Press "P/P" to delete.

Play:

- A. Press up and down arrow keys to choose, and then, press "OK" to open the video file
 B. Press "P/P" key to start playing.

Fast forward and rewind: (2, 4, 8, and 16 times for playing speed option)

Press right or left arrow key to fast forward or rewind. Press the key one more time to speed-up the video playing.

Volume up and down

Press up and down arrow to volume up and down. Highest volume level is 8.

Pause:

Press "P/P" key to pause. Press again to start.

Stop:

Press "Stop" key to stop playing.

Exit playing mode:

Press "ESC" key to get back to file list menu.

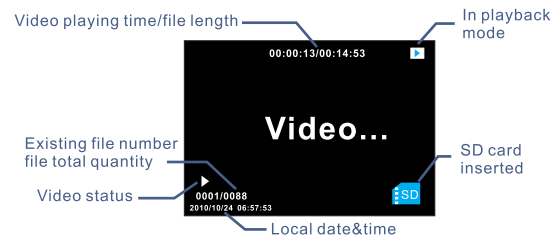
6.5.2 Playback video files on computer

Use normal player(Media player) to playback videos



6.5.3 Symbols instruction in playback mode

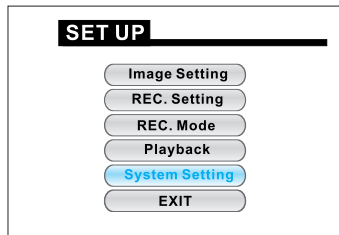
A.Playback on TV or monitor



B.Playback on computer

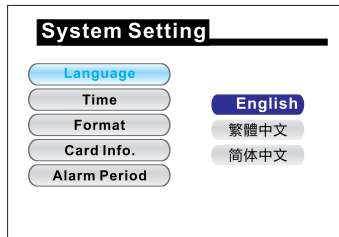


6.6 System Setting



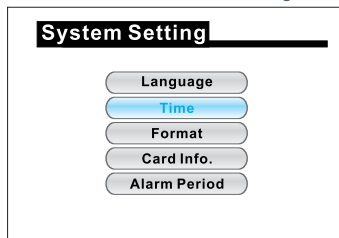
A. Set up DVR property

6.6.1 Language Setting



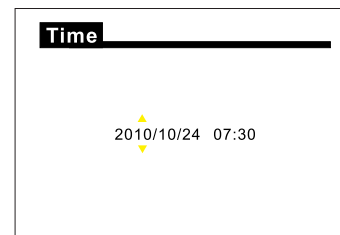
B. Choose your language here

6.6.2 Date and time Setting



B. Set your local time here

6.6.2.1 Date and time Setting

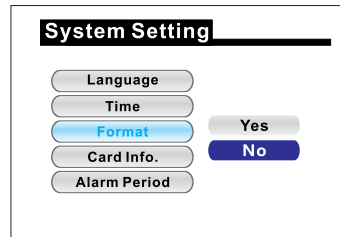


A. Press left and right arrow key to move the cursor.

Press up and down arrow key to adjust the number.

Press "OK" to save the setting

6.6.3 Format

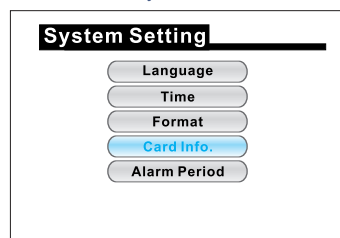


B. Choose "Yes" to format memory

Attention!

Format function will delete all files in the SD memory and can not be resumed.

6.6.4 Memory card information



C. Check sd memory capacity

6.6.4 Memory card information

Card Info

Total Size : 30784MB
Used Size : 98.6%
Remain Size : 1.4%

Check used and left memory.
 press "ESC" to exit.

6.6.5 Alarm Period

System Setting

Language

Time

Format

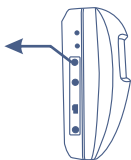
Card Info.

Alarm Period

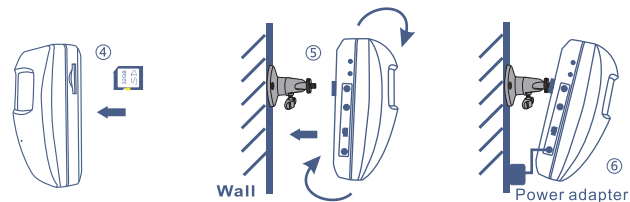
* Unavailable

7. Alarm out

5V power output once the dvr be triggered

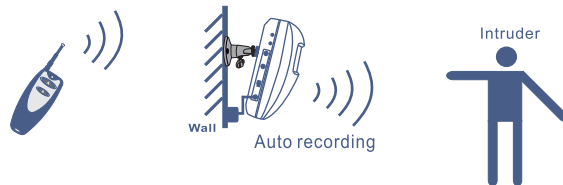


8. Installation and using



Attention: Please install the device after you set it.

⑦ Press "A" on remote, the DVR will start working in the mode you set.



9. Specification

Item	Data
Operating voltages	DC 5V
Operating current	500-900mA
Video output resistant	75Ω
Video output mode	PAL/NTSC
Image sensor	1/3" Sony CCD (Optional)
Camera horizontal	420 TV line (Optional)
Lens	3.7mm pinhole (Optional)
View angle	Level: 70°, vertical: 92°
Working mode	Manually, Motion detection, scheduled time, power on recording
Compression	Mpeg-4
Video format	ASF
Video resolution	704 X 576 640 X 576 320 X 288
Audio pick up distance	10 meters
Memory type	SD card
SD Memory capacity support	1GB-64GB
Video bit rate	30MB/minute (high image quality) 2MB/minute (low image quality)
1GB Recording time	About 30 minutes (high image quality) About 9 hours (low image quality)
IR wavelength	850NM
Night vision	About 8 meters
Battery capacity	1700mAH
Battery life	120-200 minutes (Full battery condition)
Charging time	Max. 6 hours
Power adapter	AC/110-240V, 50-60HZ, DC 5V, 1A
Remote frequency	Wireless 433Mhz
Remote distance	5-10 meters

10. F.A.Q.

Q: DVR can not read SD card.

A: Please use 1GB to 64GB genuine SD card.

Q: No video output on TV after turn on the DVR.

A: Please check the cable connection is correct. Yellow connector should connect with video input port on TV.

Q: No audio output when playing video.

A: Please check cable connection is correct. Red connector should connect with audio input port on TV.

Q: Turn on the DVR, it is not working, and indicators all off.

A: The inside battery may out of power. Please connect original power adapter with DVR and try again.

Q: No record files after DVR recording some while.

A: 1. Please check if the SD card inserted and it works with DVR normally;
2. Please use 1GB to 64GB genuine SD card.

Q: DVR crashed when it is working.

A: 1. Please don't take out or insert SD card when DVR is working;
2. Please make sure it is a genuine SD card.

Q: DVR doesn't record video by motion detected.

A: 1. Please set "Recording mode" in "Motion Detection"
2. Set "Sensitivity", "Speed" and "Noise Margin" with suggestions on page 11-12.

Q: Video quality is indistinct.

A: 1. Keep lens cleanness;
2. Set "Quality", "Frame rate" and "Resolution with suggestions on page 7-8."

Q: Remote control is not working.

A: 1. Press any key on remote, if the indicator on remote is always off, please replace a new battery for it;
2. Remote control only working in the open;
3. Register remote with DVR. (Page 3)

Q: Big noise in the record video.

A: Don't install the DVR face to windiness.