

PVR100 User's Manual

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Welcome

Thank you for purchasing our PVR100 series product!

This user's manual is designed to be a reference tool for the installation and operation of your system.

Please read the following safeguard and warnings carefully before you use this series product!

Please keep this user's manual well for future reference!



Safeguard and Warnings

1. Do not dismantle PVR device without authorization

All the installation here should be done by the qualified service engineer.

We assume no liability or responsibility for all the fires or electrical shock caused by unauthorized handling or installation.

2. Please handle PVR device carefully

This device shall avoid strike or strong vibration. PVR device may be damaged if you use or storage improperly.

3. Do not leave the PVR device in corrosive environment such as chemical factory.

4. Do not expose the camera to strong light for a long time. It may damage the sensitive components.

5. Do not remove the SD card when you implement the SD card operation such as record, playback, format, delete file, system upgrade. It may result in SD card file damage!

6. Please refer to Figure 1 for the SD card installation direction.

7. Please make sure PVR device connection is right before you begin recording.

8. Accessory List

Be sure to use all the accessories recommended by manufacturer.

Before installation, please open the package and check that all the components listed below are included in the package:

Device Name	PVR		
Standard Configuration	User's Manual	1	
	CD(including electronic version user's manual)	1	
	Unit (support 3-hour working)	1	
	5V/2A recharge	1	
	Analog camera module group	1	Built-in MIC
	Mini USB to RJ45 cable	1	
	Warranty Card	1	
	Unit feather set	1	
Optional Accessories	Battery bag (support 20 hours)	1	Including recharge and feather set
	Mobile recharge	1	Support recharge unit only
	SD: 1G/2G/4G/16G/32G	1	You can select one from the options.
	BUS power battery (Input voltage ranges from 6-80VD. Output voltage ranges from 5V/2A; 12V/2.5A)	1	Including 5V to unit and 12V to external device.

1 Product Feature

This portable video recorder (PVR) is suitable for special industries such as police, army, urban management, forensic, customs, industry and administration bureau. It is portable and is compatible with half-fixed use.

It can provide on-site audio record, video record, playback function and support network interface.

2 Part Name and Function

This series PVR has the following interfaces. Please refer to Figure 1 and Figure 2.

- Two cable control ports.
- One external power port
- One MINI USB port
- SD card port
- Nine external control keys

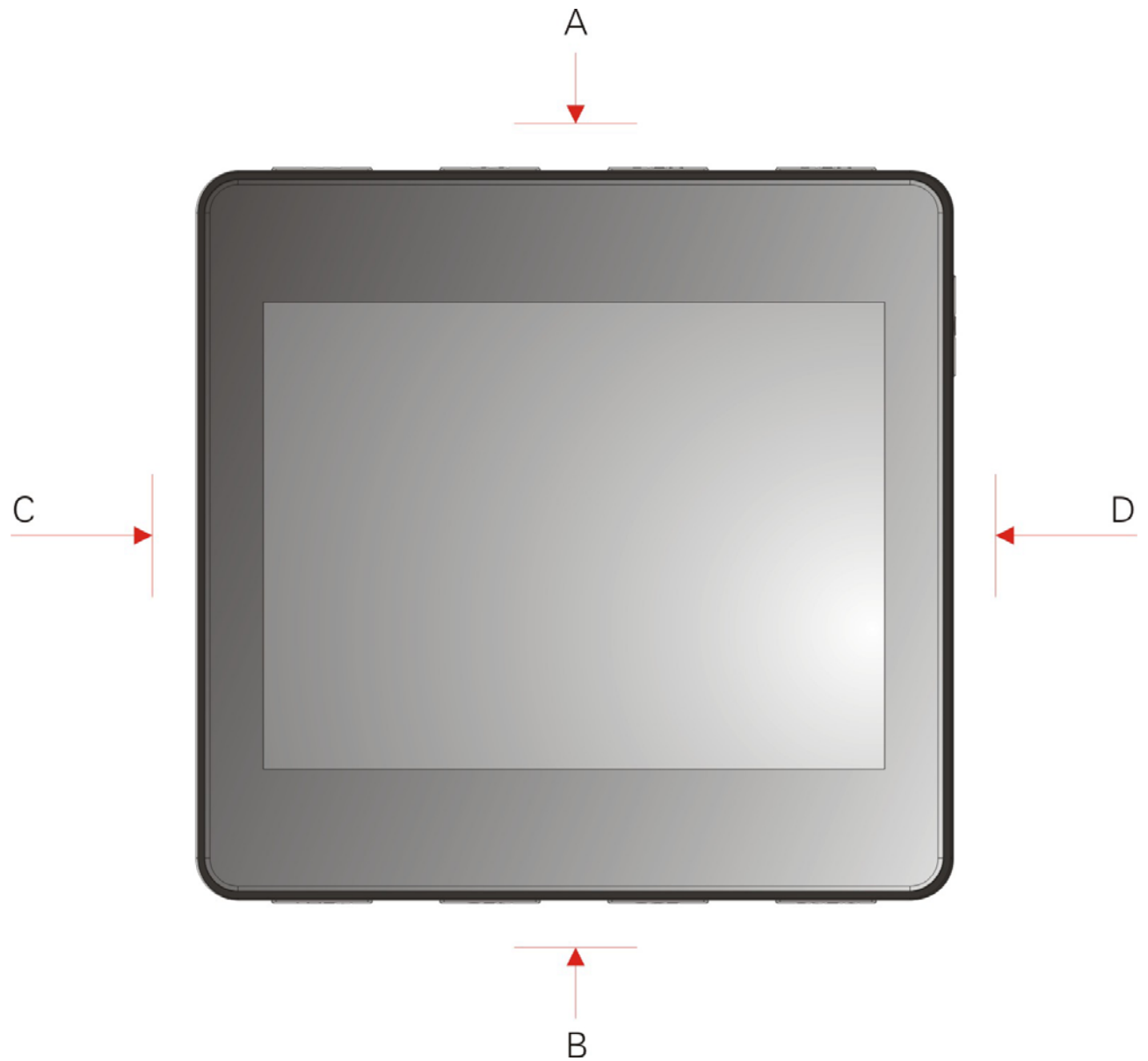


Figure 1

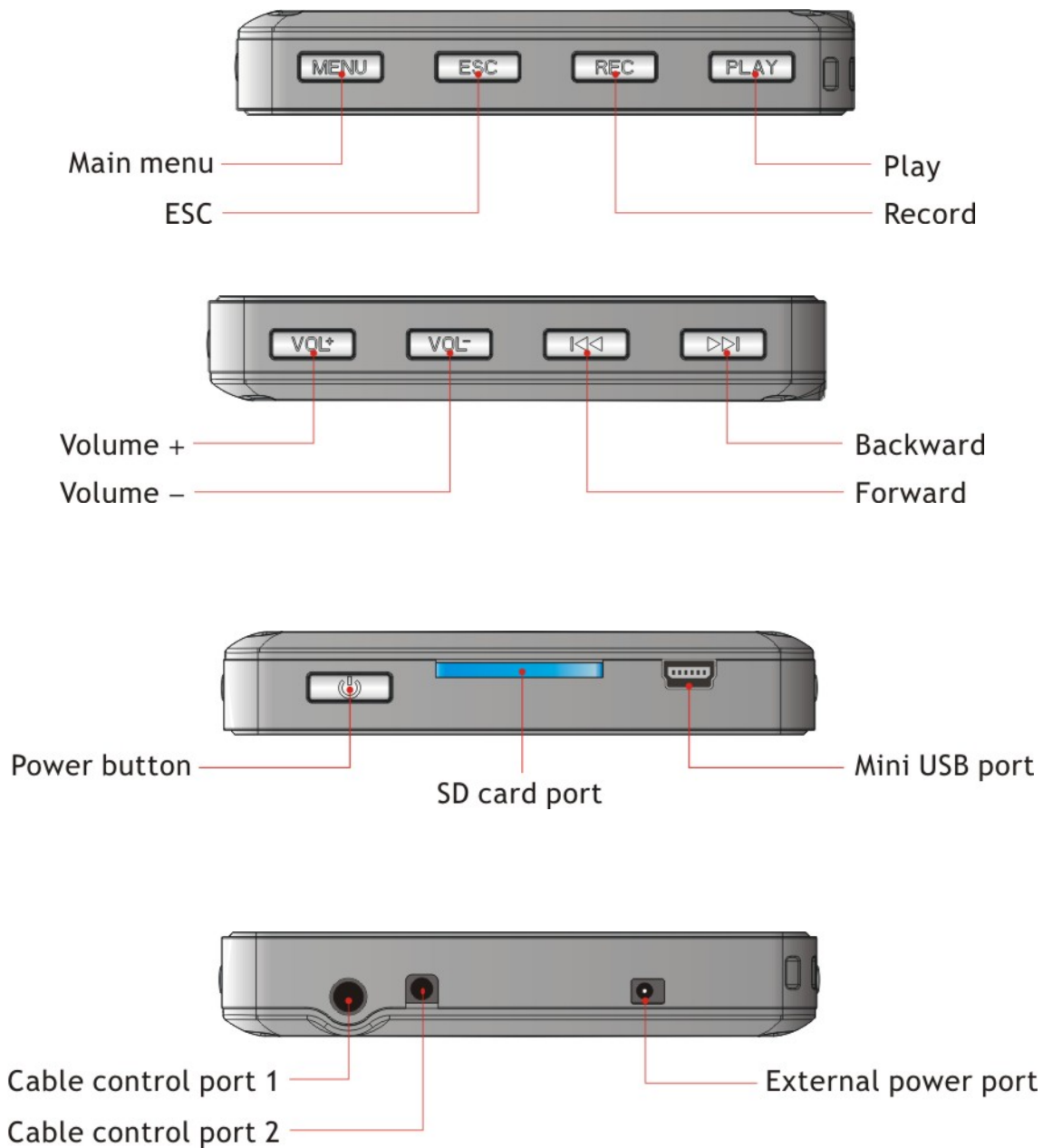


Figure 2

- ✧ Mini USB port: You can use a joint to connect to network cable to realize network function.
- ✧ Cable control 1 and cable control 2: Here you can input cable control to provide audio and video signal, the key control signal input and status indication light.
- ✧ External power port(it is round and has a socket in the middle.): You can connect to adapter or use the pedestal to provide power to the device,
- ✧ SD card port: Input ordinary SD card. You can refer to Figure 1 for SD card installation. It supports SD1.0, SD1.1 and SD 2.0 standard.

✧ Nine keystrokes (including one power button.)

Cable control sub-system includes one CMOS camera, one microphone, two control keystrokes and one status indication light. System provides analog audio and video signal input and keystroke control signal input. (Boot up/ Shut down /Stop recording). Status indication light can represent various statuses (the record status indication light is on after system boots up. Non-record status indication light flashes once in each second. The turn-off indication light is off after you shut down the system,)

3 PVR Interface and Operation

3.1 Boot up and Shutdown

Press the power button or green keystroke of the cable control for two seconds, PVR system boots up. You can see boot up interface. System goes to monitor status directly if you press power button to boot up and system goes to record status directly if you press the green keystroke.

Press the power button or red keystroke of cable control for three seconds; you can turn off the PVR system. You can see shut down interface and then system begins three-second countdown. System stops internal operation (such as record or play) first and then shut down.

Note:

When there is strong interference from the outside or there is invalid system operation, you can press power button or red cable control button for eight seconds to shut down the system. Or you can insert a sharp object into the hole between PLAY and REC to touch RESET button to restart the system.

3.2 Record Operation

- ✧ When system is off, please refer to chapter 3.1 “boot up and shut down” to start the system. Press cable control green keystroke system begins recording and indication light turns on.
- ✧ After system boots up, please click REC button or cable control green keystroke to begin recording. You can see the indication light turns on.
- ✧ When system is recording, you can click REC button to pause. You can see the indication light flashes.
- ✧ In pause status, you can click REC button or cable control green keystroke to continue recording. You can see the indication light turns on.
- ✧ In record or pause status, you can press ESC button or cable control red keystroke for three seconds to stop recording. You can see the indication light flashes. Please note, after you press cable control red keystroke to stop recording, system automatically shuts down and the indication light turns off.

System default recording package time is 60 minutes. When the file is about to full (about five-minutes recording time left), you can hear buzzer beeps to alarm you to replace a SD card.

All recorded files are automatically created and are storage under RECORD folder.



File name format is: REC_YearMonthDate_HourMinuteSecond.asf



3.3 System Monitor and Management Interface

After you boot up the system, you can see monitor interface is shown as in Figure 3.



Figure 3



① SD card status:  : There is no SD card;  : There is SD card.

② Cable control status:  : There is no cable control connection;  : There is cable control connection.

③ Battery capacity: When battery left power capacity is less than 10 minutes, the buzzer begins beeping to alarm you to recharge.

④ Record status:  : Stop recording;  : Pause recording;  : System is recording now

3.4 Playback

Press MENU button you can go to main menu. You can use “” and “” to highlight playback button. Please click PLAY button to go to playback file list interface. See Figure 4.

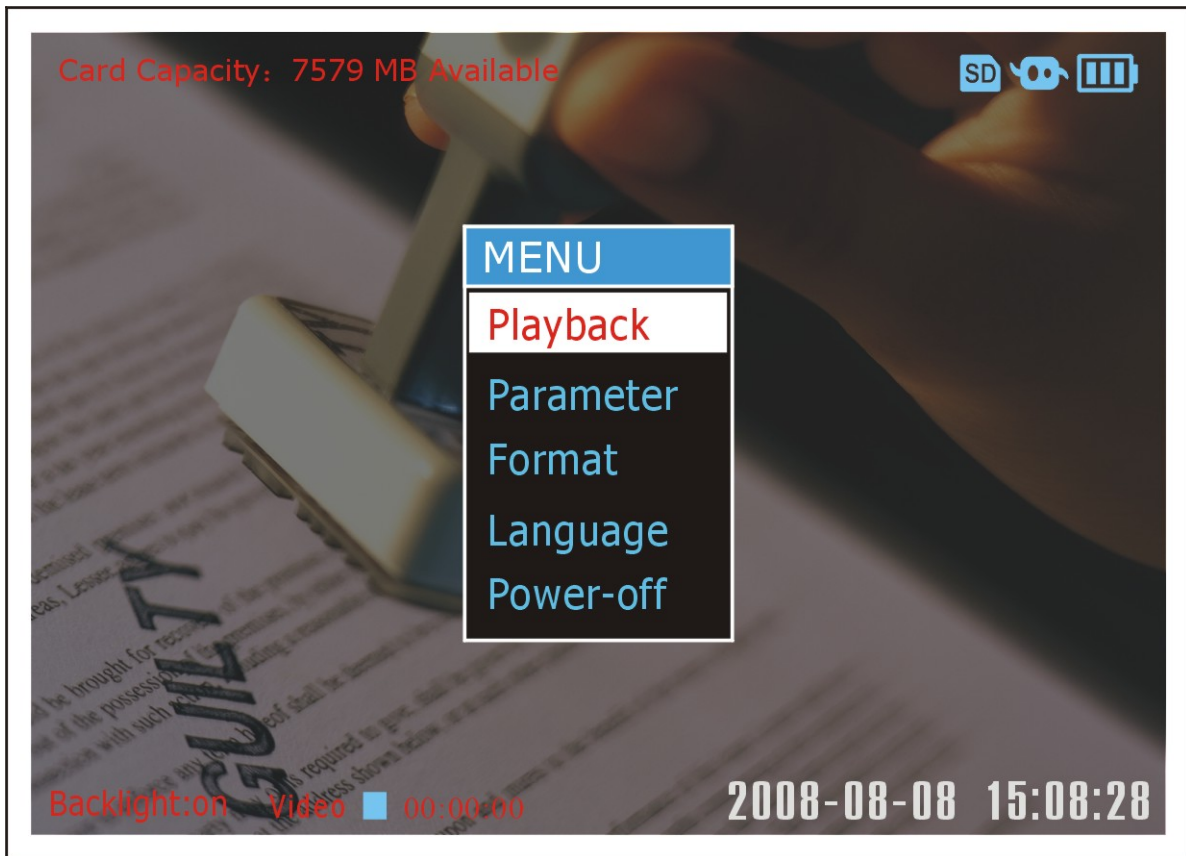






Figure 4

In playback file list interface you can view all recorded files in SD card RECORD folder. They are arranged in accordance with time. The latest file is on the top.

System max support displays 512 files. Please use  and  to select playback file and then click PLAY button to view. During the playback period you can press  and  for a long time to realize 16X forward or backward. System automatically plays the next file after completing current one. After it plays all files in RECORD folder, system goes back to playback list interface.

In playback list interface, click MENU button, system pops up a dialogue box asking you to confirm delete current file. Please click PLAY button to delete and click ESC to exit current menu.

Please note you can not restore the deleted file!

During the playback period, click MENU button, you can see playback control bar is shown as in

Figure 5. Please refer to the following sheet for detailed information.

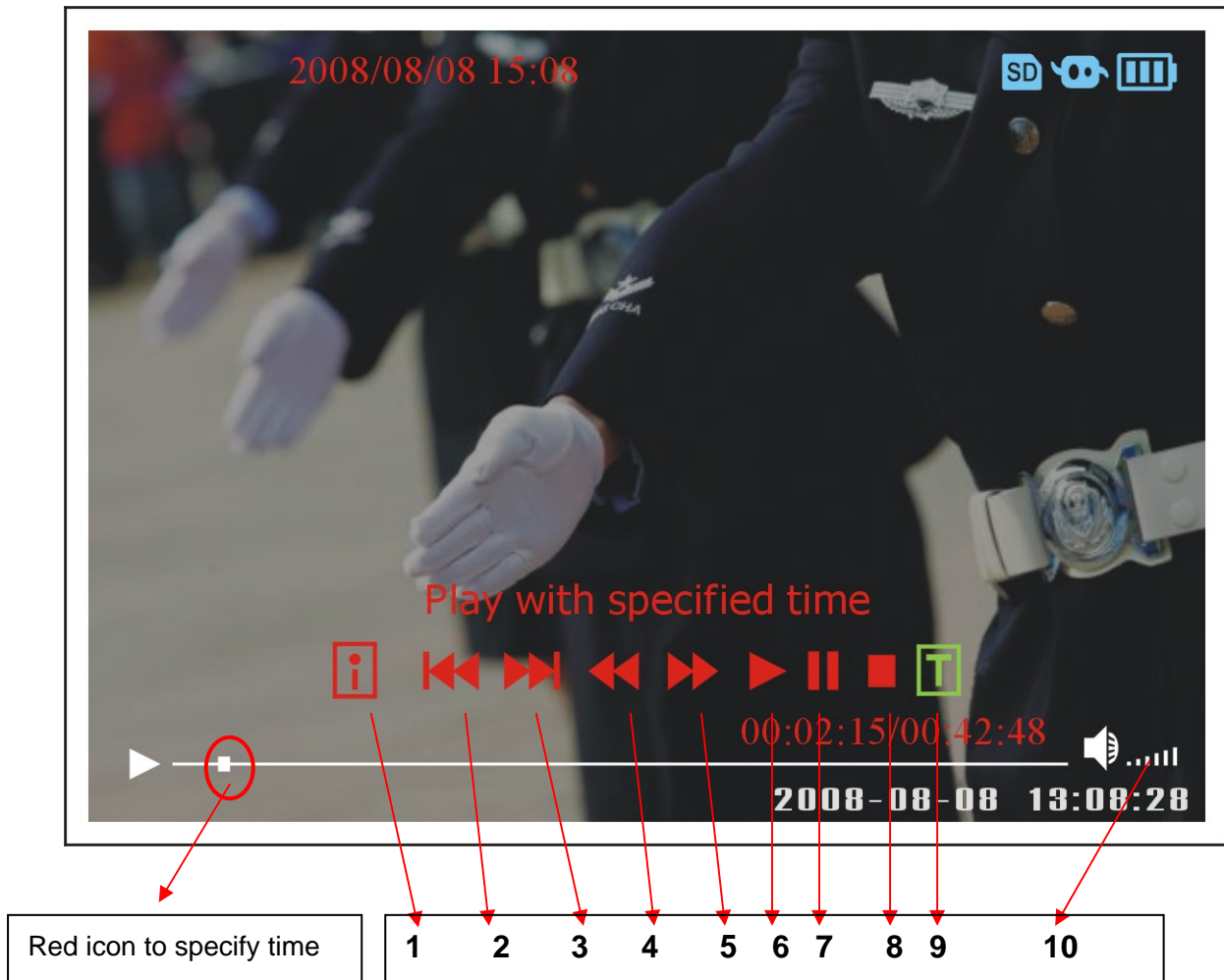









Figure 5

1	Detailed information
2	Previous
3	Next
4	Backward (1x/2x/4x/8x/16x)
5	Forward(1x/2x/4x/8x/16x)
6	Play
7	Pause
8	Stop
9	Specify time to play
10	Volume

You can use  and  button to select corresponding function and then click PLAY button to confirm. Click ESC button you can exit playback control bar.

How to specify time to play: use  and  button to highlight , you can see there is a red icon under the playback control bar. Please use  and  button to move the red icon. See Figure 5. Please click PLAY button to confirm. You can see the red icon goes to the specified time and system begins play. You can refer to the time symbol in the playback control bar for reference when you move the red icon to adjust time point.

3.5 Parameter Setup

Click MENU button to go to main menu, highlight parameter item and then click PLAY to confirm. You can see an interface is shown as in Figure 6.

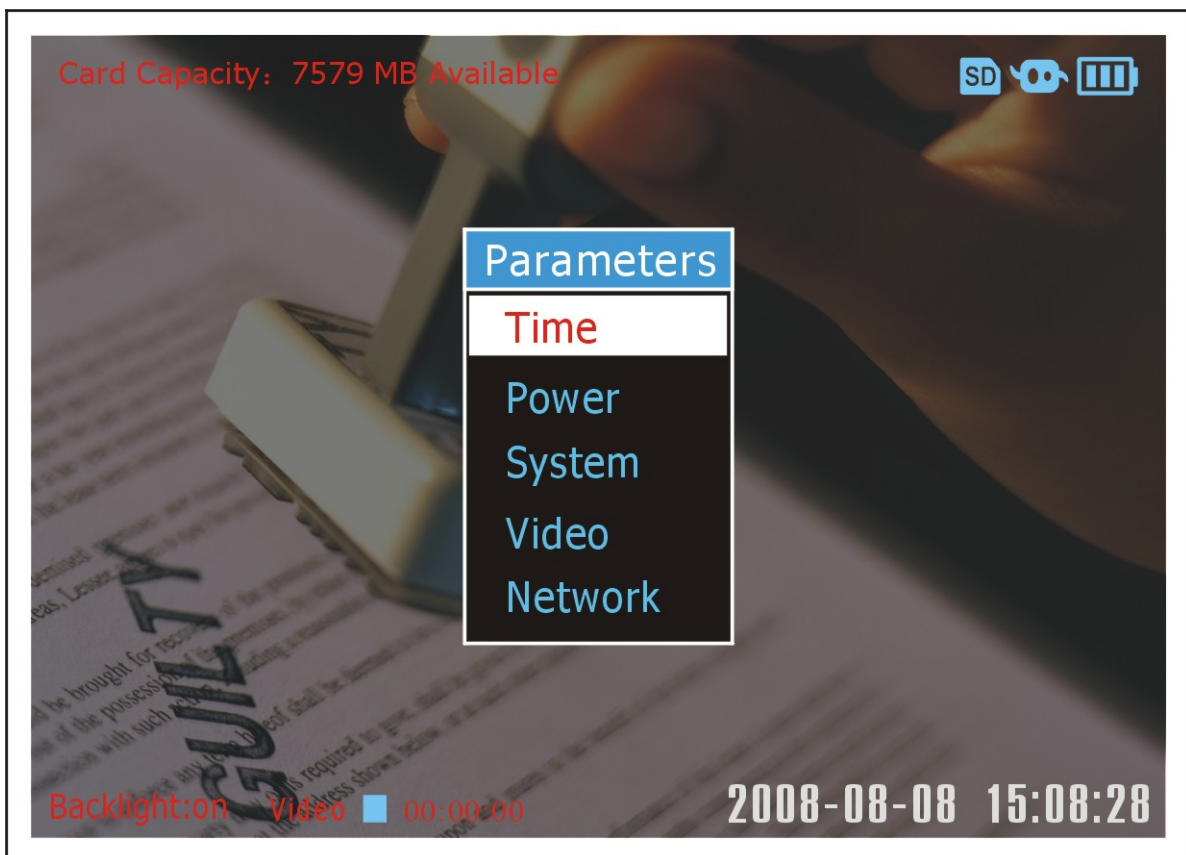










Figure 6

3.5.1 Time Setup

Please use  and  button to highlight time item and then click PLAY button to go to time setup interface. See Figure 7. Click  and  button to move the cursor to select year/month/date/hour/minute/. You can use  and  button to increase or decrease number. Please use  and  button to move the cursor to setup button and then

click PLAY button to confirm. You can click ESC button to go back to preview interface after you complete setup.

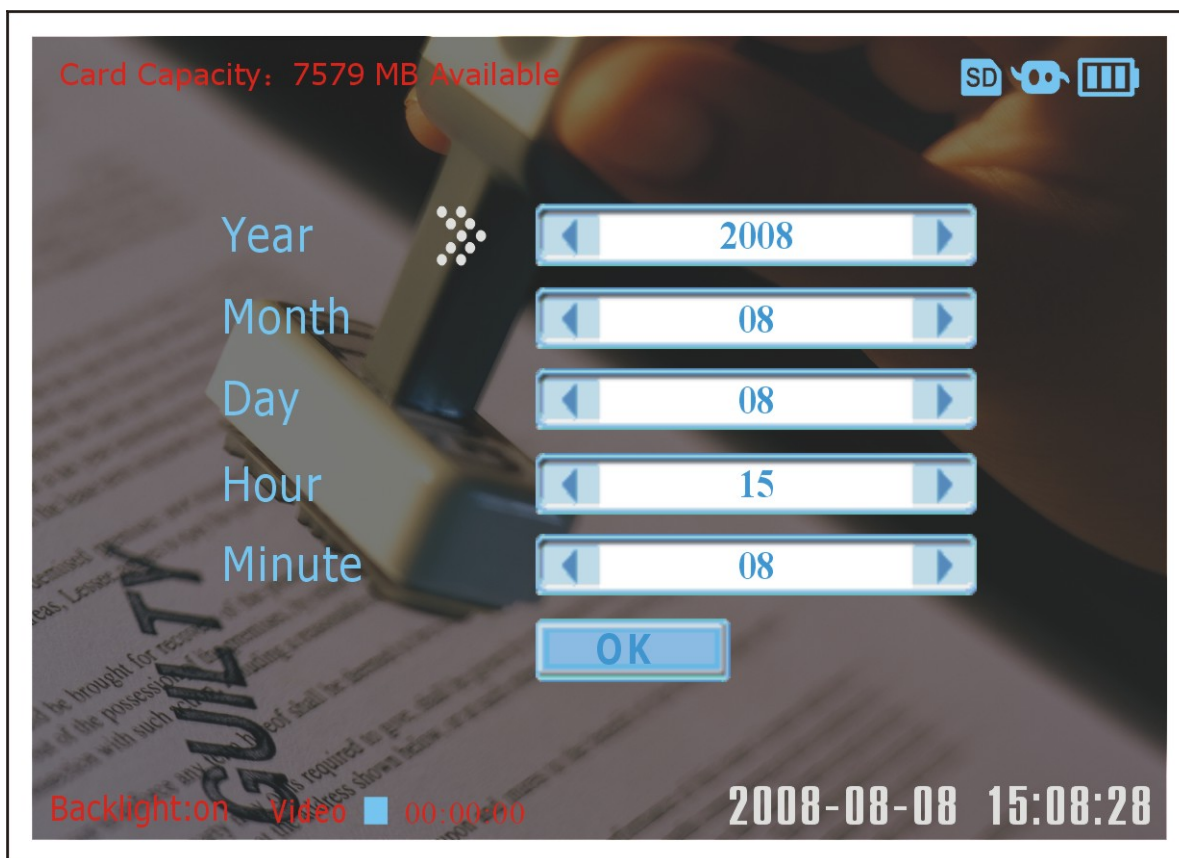




Figure 7

3.5.2 Power Setup

In parameter setup interface, you can use  and  to highlight power item. Please click PLAY button to go to power setup interface. See Figure 8.

Power shut down system time: in battery power supply mode, system auto shuts down time when there is no system operation for specified time.

DC shut down system time: in adapter power supply mode, system auto shuts down time when there is no system operation for specified time.

Backlight time: LCD auto shuts down time when there is no system operation for specified time.



Figure 8

3.5.3 System Information and Firmware Upgrade

In parameter setup menu, please use and button to highlight system item and then click PLAY button to go to system setup interface. See Figure 9.

Here you can view firmware version and SD card capacity. In this interface, you can also upgrade firmware.

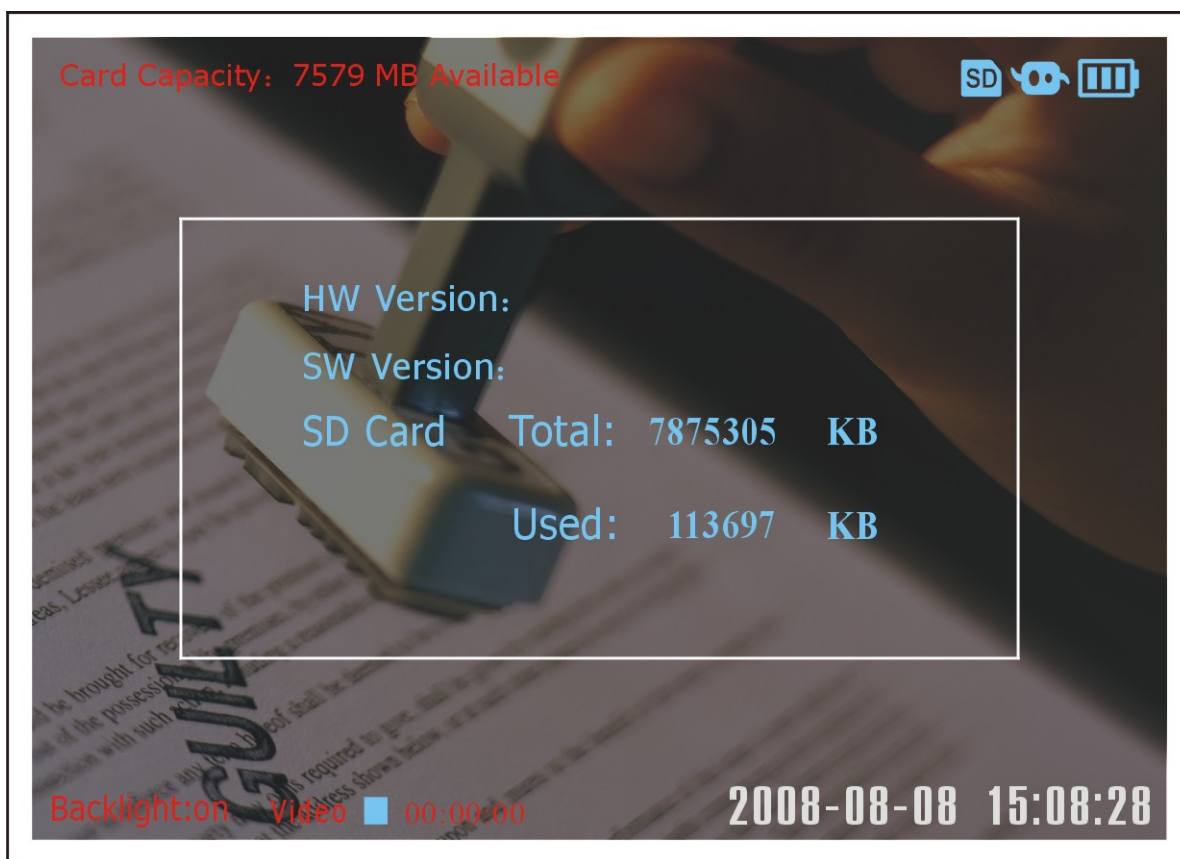


Figure 9

3.5.4 Firmware Upgrade

Please go to our website to get the latest upgrade software and then copy it to SD card UPDATE folder. Now you can insert the SD card into the PVR and then go to system setup interface. Click PLAY Button, you can see system pops up a dialogue box asking you to confirm upgrade. Please follow the prompt to click PLAY button to begin upgrade. You can click ESC button to exit. During the upgrade period, you can refer to the process bar for reference. System needs to restart after completing upgrade. Please note during the upgrade period, system stops all other operations.

Warning!

Before you upgrade, please make sure the battery capacity is sufficient.

To guarantee upgrade safety, please connect the device to the recharge. During the upgrade period, do not remove the SD card!

During the whole upgrade period, insufficient battery capacity or SD card remove operation can result in system upgrade failure! System can not operate normally and it can not restore!

Slight difference may be found in user interface.

All the designs and software here are subject to change without prior written notice.

Please visit our website for more information.