

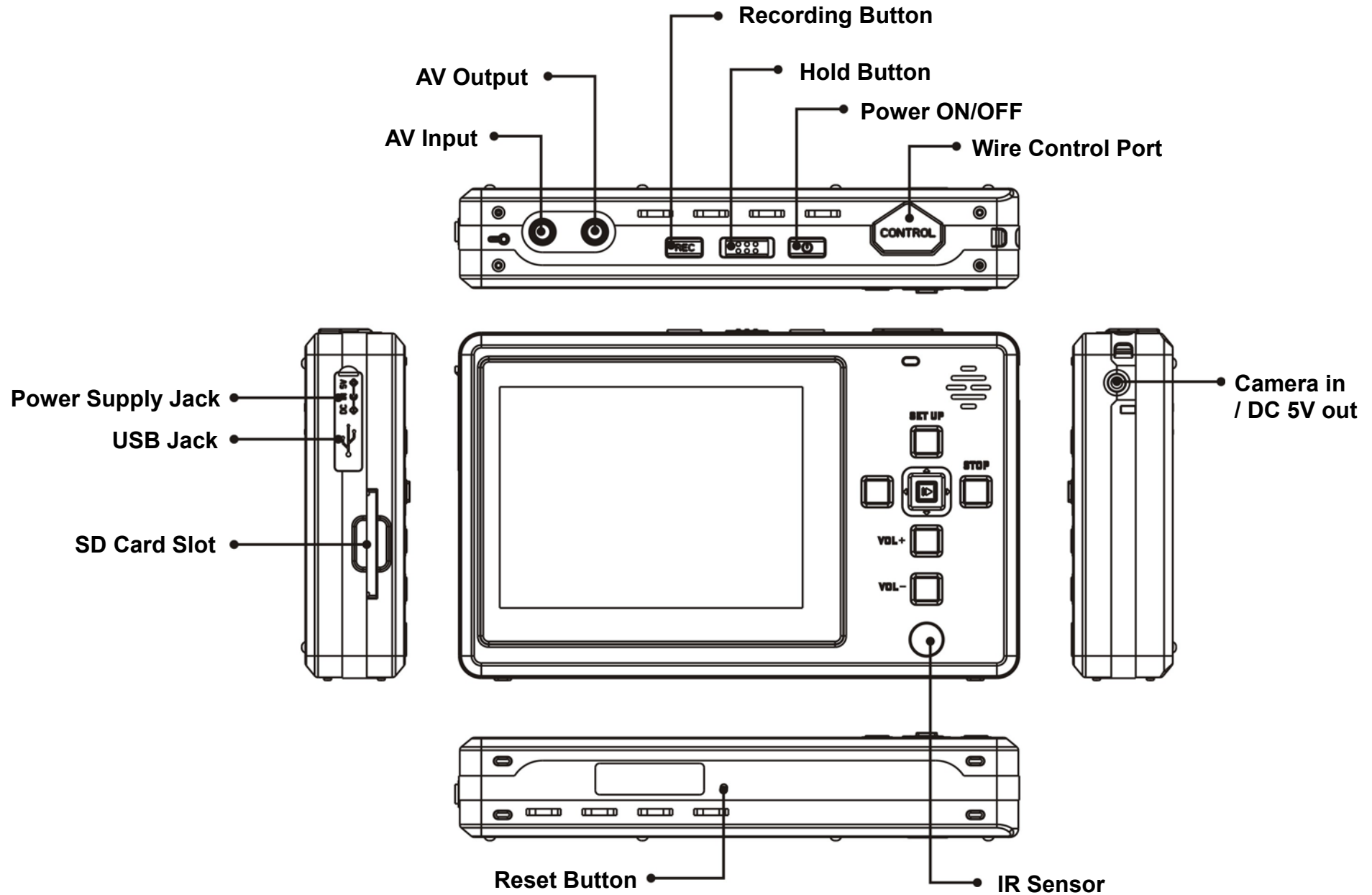
PV-1000 *User's Guide*



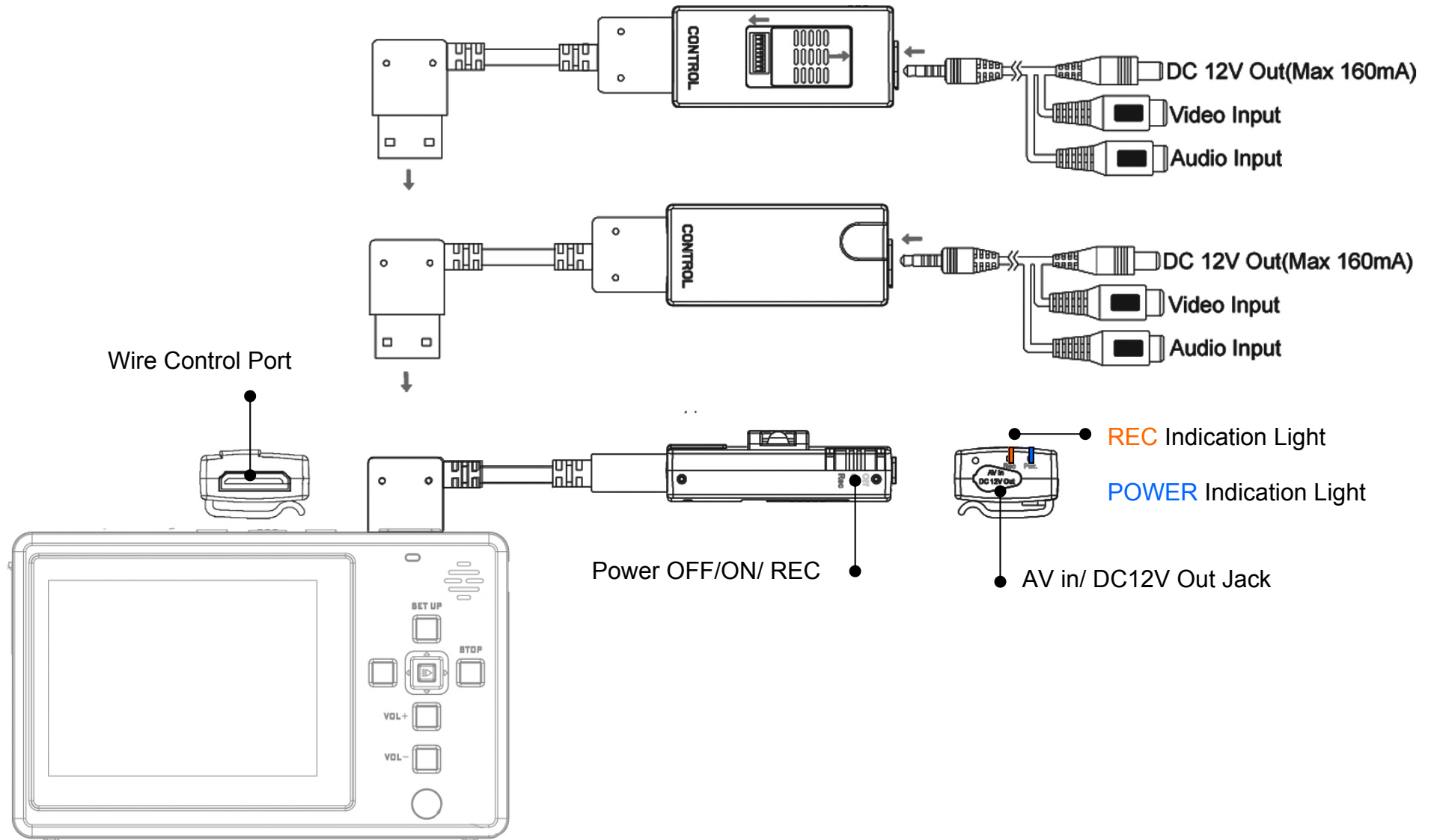
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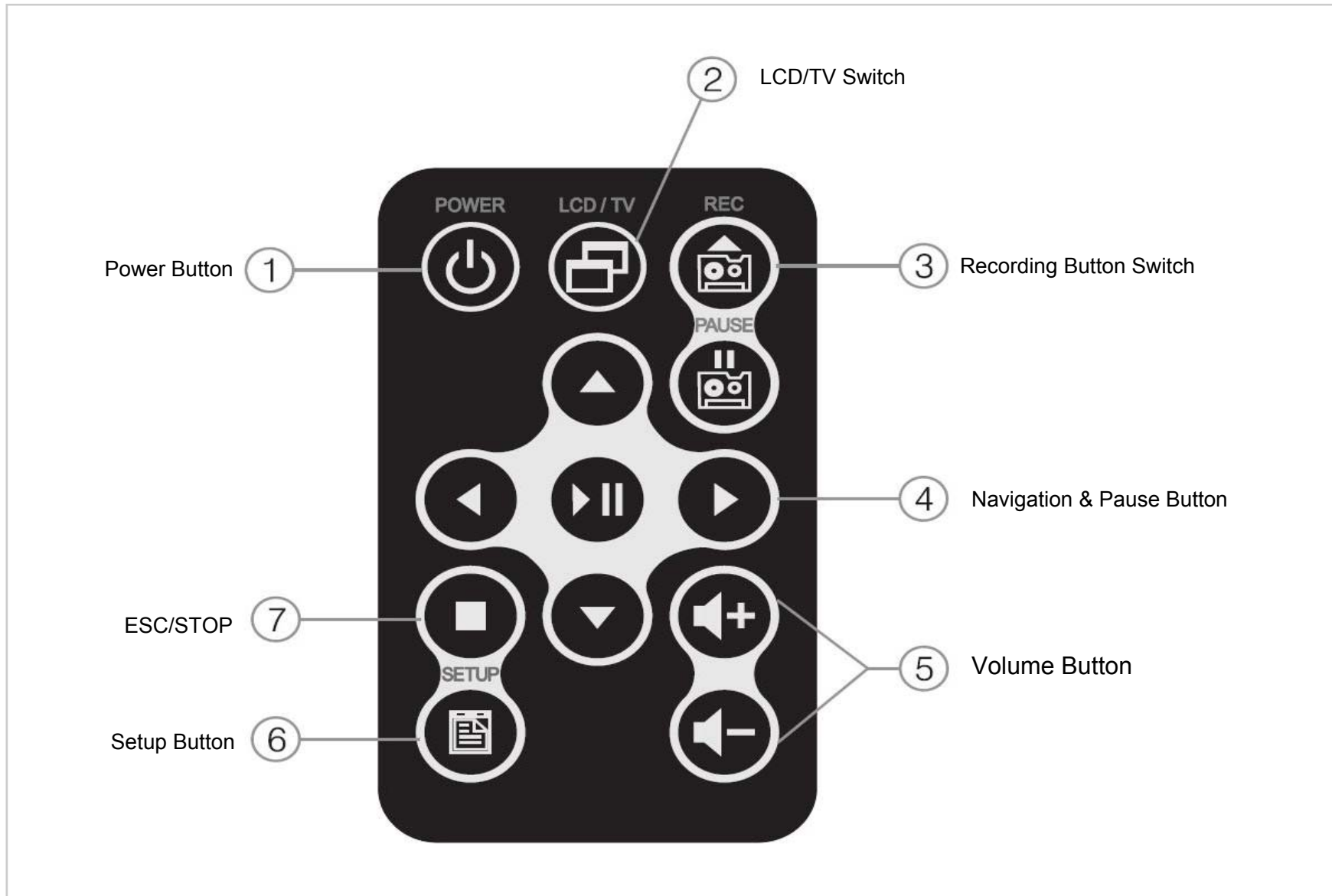
PV-1000 Main Device



Wire control :

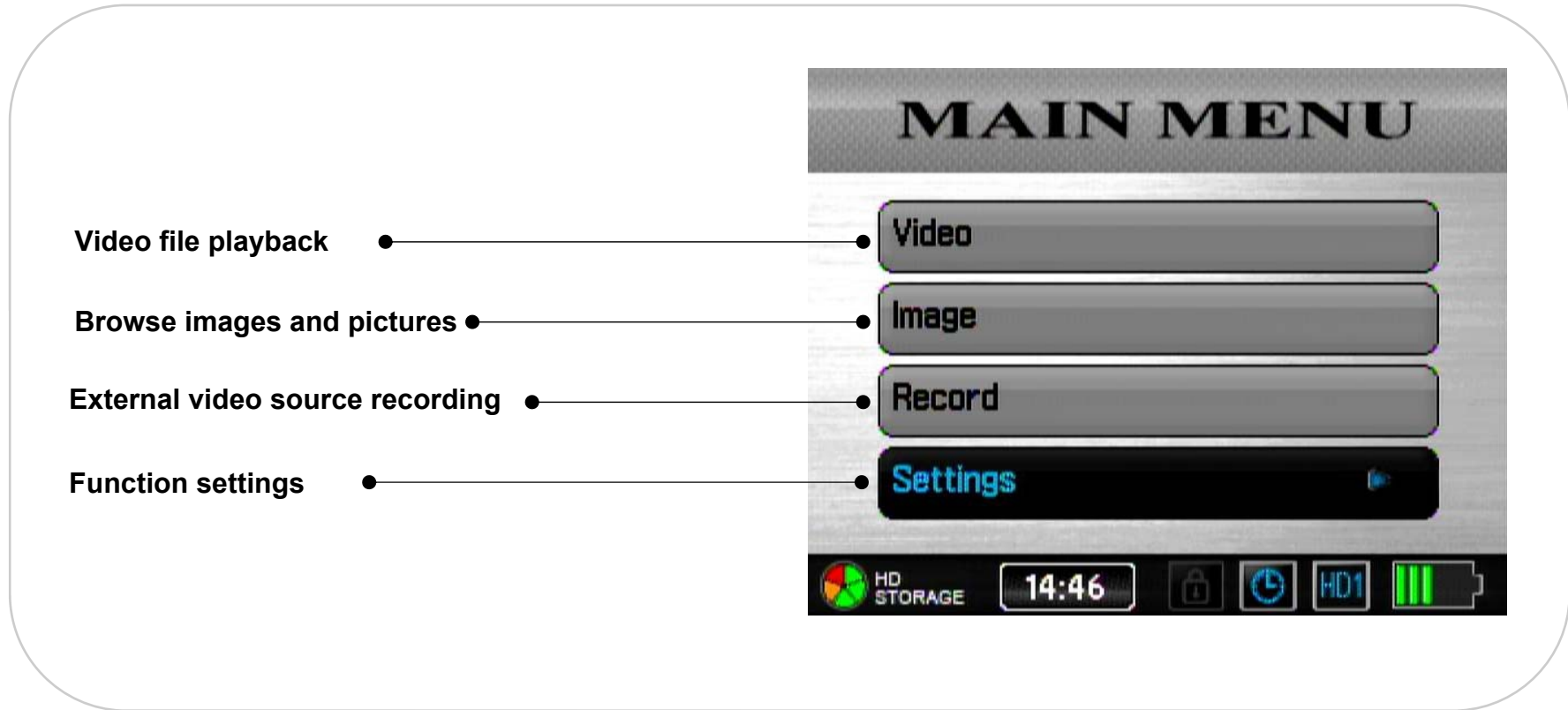


Remote control





Accessories







Turn on/ off

To	Do this
Turn On	Press Power On/ Off button  for 1 sec. Greeting display will appear.
Turn Off	Press Power On/Off button  for 1 sec. Or press Power button on the remote control.



Select Functions







After the player is turned on, press  to select desired function. After selection, press  to enter the selected function.

 **Note:** The navigation key will be shown as  on PV-1000 main device.

The navigation key will be shown as  on remote control.





Setup



- **Switch to Video mode, Image and various standby modes:** Press **SET UP** or  button on controller to edit setting.
- **Select items in the main menu:** Press **▲ / ▼** or  on controller to move the cursor on the display display.
- **Enter submenu:** Press **▶** or  on controller to enter the submenu.
- **Select item in the submenu:** press **▲ / ▼ / ◀ / ▶** or  on controller to select items.
- **Confirm the setting:** Press **▶** or  on controller to confirm the change of the setting.
- **Do not save change and return to main menu or exit SETUP:** Press **STOP** or  on controller.



Adjust volume

- When video is playing on display , press the volume **VOL+ / VOL-** buttons or   on controller to adjust volume.
- Volume is ranged in 10 levels.
- Volume status is displayed on the lower left corner of display.

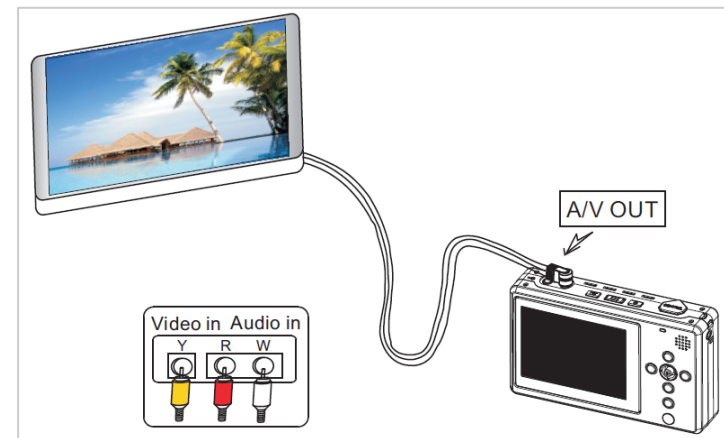
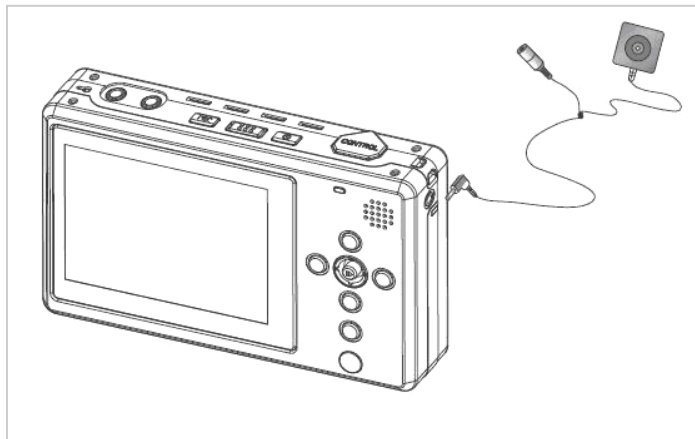
Record button


- **Start Recording:** Press the REC button on the PV-1000 or  on controller to start recording.
- **Stop Recording:** Press STOP button or  on controller to stop recording. Device will automatically access to standby mode to prepare next recording.



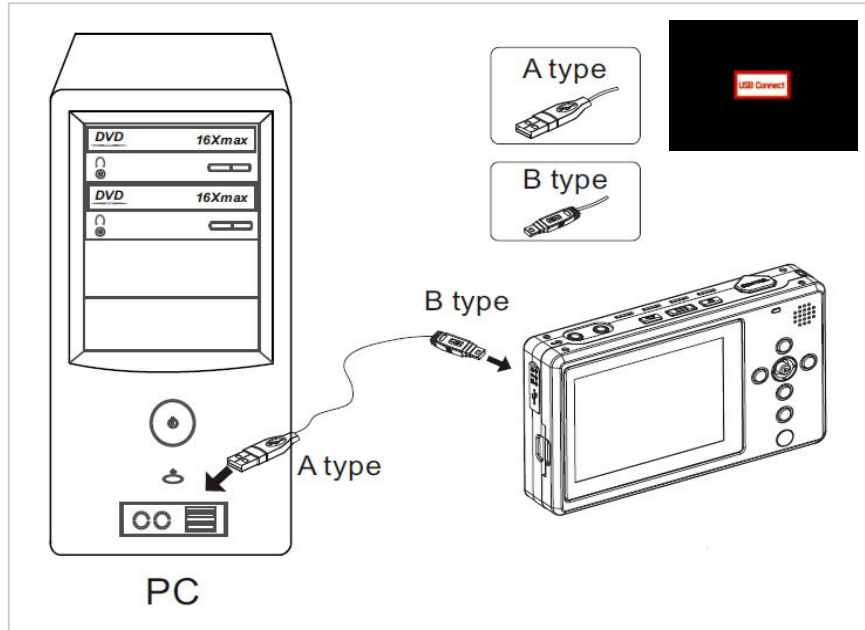
Link with external devices

- **External Video Recording:** Plug in an external camera into AV IN/ DC 5V OUT to enable recording.
- **Output to TV Display:** Plug-in an RCA cable in AV-OUT output image on TV.

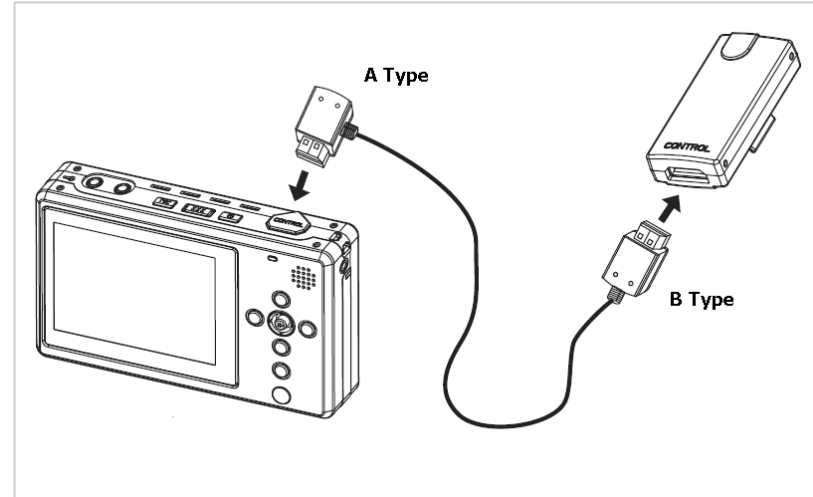


 **IMPORTANT:** To enable image output, note the setting, **Setting > Preview > Display**, requires to change to “TV” instead of “LCD”.

● Connect to PC:



● Connect to wire controller:



1. Connect the two ends of A/B type of USB cable to PV-1000 and PC.
2. An indication of "USB Mode" appears on the display for 5 seconds.



- **Charging:**

When the battery is low, power LED indicator blinks with green light and the meter shows no-bar filled indication on the lower right corner of the display. Required to be recharged immediately. Connect the main device with power supply and then plug the power supply into power outlet. LED light blinks with Orange light.

- ⓘ **Important:** The LED light is turned off after charged. To keep long life-span of the battery, the power supply should be unplugged after finishing charging. **At first time charge, please charge the battery for continuous 12 hours before use.**

01. Preview >

In Main Menu, press |▶ to select Setting. Then, press |▶ to select Preview. Preview Submenu obtains following items:



- Resolution (352X288 /640X480/720X576/1024X768/1280X720/1280X960)
- Quality (Good/Normal/Low)
- Frame Rate(1 / 5/ 15 /20/30)
- Audio (Enable/Disable)
- Frame Counter Stamp (On/Off)
- Timestamp (On/Off)
- Device ID Stamp (On/Off)
- Display (LCD/TV/Both)
- Microphone sensitivity
- Over-write



Note:

To enable image output, note the setting, Setting > Preview > Display, requires to change to TV instead of LCD/Both selection.

02. Pre-event >

In Main Menu, press |▶ to select Setting. Then, press |▶ to select Pre-event. Pre-event Submenu obtains following items:



- Resolution (352X288 /640X480/720X576/1024X768/1280X720/1280X960)
- Quality (Good/Normal/Low)
- Frame Rate (1 / 5/ 15 /20/30)
- Audio (Enable/ Unable)
- Frame Counter Stamp (On/Off)
- Timestam (On/Off)
- Device ID Stamp (ON/Off)
- Display (LCD/TV/BOTH)
- Pre-Record Time (30 sec , 15 sec)
- Microphone sensitivity
- Over-write (Disable/Enable)

03. Motion diction >

In Main Menu, press |▶ to select Setting. Then, press |▶ to select Motion Detection. Motion Detection Submenu obtains following items:



- Resolution (352X288 /640X480/720X576/1024X768/1280X720/1280X960)
- Quality (Good/Normal/Low)
- Frame Rate (1 / 5/ 15 /20/25)
- Audio (Enable/ Unable)
- Frame Counter Stamp (On/Off)
- Timestamp (On/Off)
- Device ID Stamp (ON/Off)
- Display (LCD/TV/BOTH)
- Motion detection level (LOW/Medium/High)
- Motion Detect Record time (30sec/1min/3min/5min/10min)
- Motion Detect Area Select
- Microphone sensitivity
- Over-write (Disable/Enable)

04. Date/time setting > Set Date and Time

In Main Menu, press |▶ to select Setting. Then, press |▶ to select Date and Time. In Date and Time Submenu, press ▲ / ▼ / ◀ / ▶ to set values and press |▶ to confirm the setting.

05. Date/time format >

In Main Menu, press |▶ to select Setting. Then, press |▶ to select Date Format. In Date Format Submenu, Press ▲ / ▼ / ◀ / ▶ to set values and press |▶ to confirm the setting. Selections are YYYYMMDD / DDMMYYYY.

06. Language > Choose the language for Operating interface

In Main Menu, press |▶ to select Setting. Then, press |▶ to select Language. In Language Submenu, Press



▲ / ▼ / ◀ / ▶ to set values and press |▶ to confirm the setting. Selections are English/François/簡體中文/繁體中文/日本語.

07. Pre –set > Set up the display to be automatically returned to recording mode.

In Main Menu, press |▶ to select Setting. Then, press |▶ to select Pre-set. In Pre-set Submenu, press ▲ / ▼ / ◀ / ▶ to set values and press |▶ to confirm the setting. Selections are Normal/Preview/Pre-Event/Motion Detect

08. Resume period to pre-set > set up the timing to recording mode

In Main Menu, press |▶ to select Setting. Then, press |▶ to select Resume Period to Pre-set. In Resume period to pre-set Submenu, press ▲ / ▼ / ◀ / ▶ to set values and press |▶ to confirm the setting. Selections are 15sec/30 sec/No.

09. Timer recording > schedule time to record at specific time period

Time Setting: In Main Menu, press **|▶** to select **Setting**. Then, press **|▶** to select **Timer Recording**. In **Timer Recording Submenu**, there are four **Timer Recording** icon can be selected. Press **|▶**, to select **Timer Recording** icon and set values on each schedule time. Press **▲ / ▼ / ◀ / ▶** to switch between pages. There are three pages can be selected from, **Video Line In REC start**, **Video Line In REC stop**, **Video Line In REC Select**.



! Note: It is required to set each timer **ON**. **Main Menu > Setting > Timer Recording > (Any) Timer Recording icon > Video Line In REC Select/Setting**, selects “**ON**” option. The scheduled timer is executed only when the device is status of **POWER ON**.

10. Back light off >

In **Main Menu**, press **|▶** to select **Setting**. Then, press **|▶** to select **Backlight Time-out**. In **Backlight Time-out Submenu**, there are four selections, **NO /30 sec/ 1 min/ 3 min**, to set delay time to turn off backlight during playback in 30 seconds, 1 minute, 3 minutes or never turn off.

11. Storage medium option >

In **Main Menu**, press **|▶** to select **Setting**. Then, press **|▶** to select **Storage Medium Option**. In **Storage Medium Option Submenu**, there are two selections, **SD or HDD**, where the recording will be written in.



12. Storage information > show the storage usage information

In Main Menu, press **|▶** to select Setting. Then, press **|▶** to select Storage Information. Press **|▶** to read information. Press **STOP** to return to last page.



13. Storage capacity > Show the icon on the device.

In Main Menu, press **|▶** to select Setting. Then, press **|▶** to select Storage Capacity. In Storage Capacity Submenu, press **▲ / ▼ / ◀ / ▶** to set values and press **|▶** to confirm the setting. Selections are On /Off. Press **STOP** to return to last page.

14. Format memory > allow to reformat SD or HDD

In Main Menu, press **|▶** to select Setting. Then, press **|▶** to select Format Memory. In Format Memory Submenu, press **▲ / ▼ / ◀ / ▶** to set values and press **|▶** to confirm the setting. Selections are SD/HDD. Press **|▶** to select OK or Cancel.



15. TV-out setting >

In Main Menu, press **|▶** to select Setting. Then, press **|▶** to select TV-out setting. In TV-out setting Submenu, press **▲ / ▼ / ◀ / ▶** to set values and press **|▶** to confirm the setting. Selections are NTSC/PAL.



16. TV-output adjustment >

In Main Menu, press **|▶** to select **Setting**. Then, press **|▶** to select **TV-out adjustment**. In **TV-out adjustment Submenu**,



Press **|▶** to adjust TV-out position. Press **▲ / ▼ / ◀ / ▶** to select the TV-out zooming scale .

17. Playback > set up repeat mode for video file

In Main Menu, press **|▶** to select **Setting**. Then, press **|▶** to select **Playback**. In **Playback Submenu**, press **▲ / ▼ / ◀ / ▶** to set values and press **|▶** to confirm the setting. Selections are **All/No/Single**.

18. Video thumbnail > Set up to enable image preview when reading video files

In Main Menu, press **|▶** to select **Setting**. Then, press **|▶** to select **Video Thumbnail**. In **Video Thumbnail Submenu**, press **▲ / ▼ / ◀ / ▶** to set values and press **|▶** to confirm the setting. Selections are **On /Off**.

19. Thumbnail > set up to enable to image preview when reading picture files

In Main Menu, press **|▶** to select **Setting**. Then, press **|▶** to select **Thumbnail**. In **Thumbnail Submenu**, press **▲ / ▼ / ◀ / ▶** to set values and press **|▶** to confirm the setting. Selections are **On /Off**.

20. Slide show > set up to enable slideshow

In Main Menu, press **|▶** to select **Setting**. Then, press **|▶** to select **Slide Show**. In **Slide Show Submenu**, press **▲ / ▼ / ◀ / ▶** to set values and press **|▶** to confirm the setting. Selections are **All/No**.



21. Slideshow period > set up slideshow playing time

In Main Menu, press **|▶** to select Setting. Then, press **|▶** to select Slideshow Period. In Slideshow Period Submenu, press **▲ / ▼ / ◀ / ▶** to set values and press **|▶** to confirm the setting. Selections are 3 sec/ 5 sec/ 7sec/10 sec.

22. Firmware Upgrade> Insert the memory card which contains updated software into the device. Select OK to start upgrade. When upgrade is completed, system will reboot automatically. If the message “Update Error” is shown, it means that there are errors during updating, it might be that the software is incomplete or the memory card is damaged. Please use other memory card, or reboot the device after inserting the memory card.

In Main Menu, press **|▶** to select Setting. Then, press **|▶** to select Firmware Upgrade. In Firmware Upgrade Submenu, press **▲ / ▼ / ◀ / ▶** to set values and press **|▶** to confirm the setting. Press **|▶** to select OK or Cancel.



23. Restore factory setting >

In Main Menu, press **|▶** to select Setting. Then, press **|▶** to select Restore Factory Setting. In Restore Factory Setting Submenu, press **▲ / ▼ / ◀ / ▶** to set values and press **|▶** to confirm the setting. Press **|▶** to select OK or Cancel.

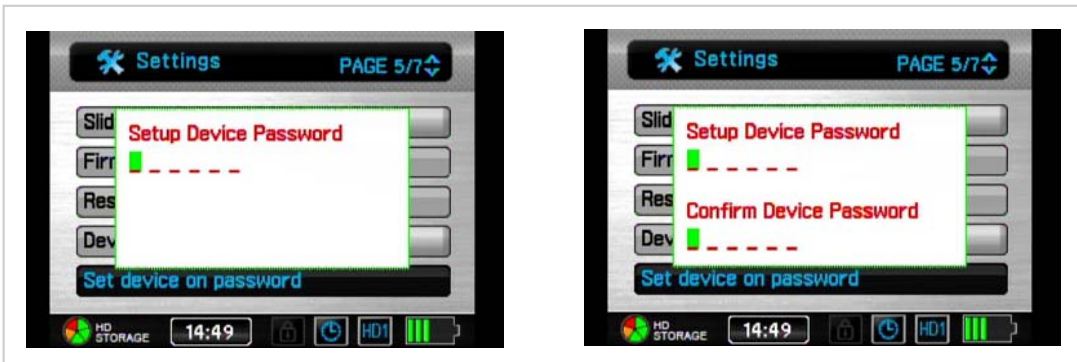


24. Device on password > Setup device password to lock PV-1000. If set “On”, it requires password entry to access PV-1000 main menu.

In Main Menu, press **|▶** to select **Setting**. Then, press **|▶** to select **Device on Password**. In **Device on Password Submenu**, press **▲ / ▼ / ◀ / ▶** to set values and press **|▶** to confirm the setting. Selections are **On /Off**.

25. Set device on password > Setup device password to lock PV-1000.

In Main Menu, press **|▶** to select **Setting**. Then, press **|▶** to select **Set Device on Password**. In **Set Device on Password**



Submenu, press **▲ / ▼ / ◀ / ▶** to set values and press **|▶** to confirm the setting.

Enter the same password twice.

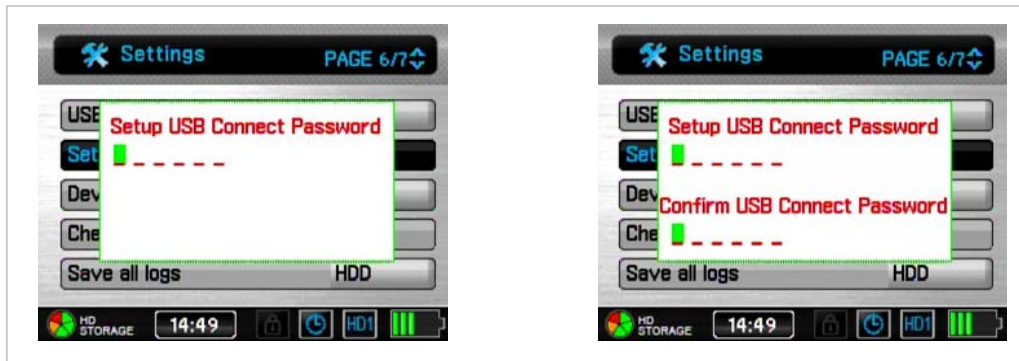
26. USB connect password> set up to enable device lock when reading data through USB connection cable

In Main Menu, press **|▶** to select **Setting**. Then, press **|▶** to select **USB Connect Password**. In **USB connect Password Submenu**, press **▲ / ▼ / ◀ / ▶** to set values and press **|▶** to confirm the setting. Selections are **On /Off**.



27. Set USB connect password>

In Main Menu, press **|▶** to select Setting. Then, press **|▶** to select Set USB Connect Password. In Set USB Connect



Password Submenu, press **▲ / ▼ / ◀ / ▶** to set values and press **|▶** to confirm the setting.

Enter the same password twice.

28. Device history log file >

In Main Menu, press **|▶** to select Setting. Then, press **|▶** to select Device history log file. In Device history log file Submenu, press **▲ / ▼ / ◀ / ▶** to set values and press **|▶** to confirm the setting. Selections are On /Off.

29. Check log > record all device activities in log file including USB plug-in/out and playback



Press **|▶** select files to read, press **STOP** to the upper level.

30. Save all log file > setup storage media where logs will be written in

In Main Menu, press **|▶** to select Setting. Then, press **|▶** to select Save All Log File. In Save All Log File Submenu, press **▲ / ▼ / ◀ / ▶** to set values and press **|▶** to confirm the setting. Selections are SD/HDD.

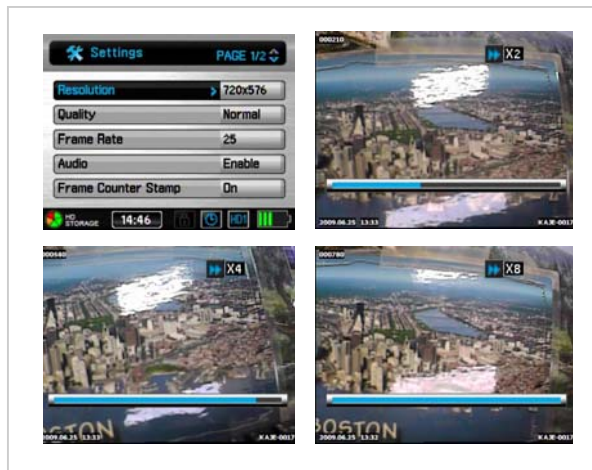
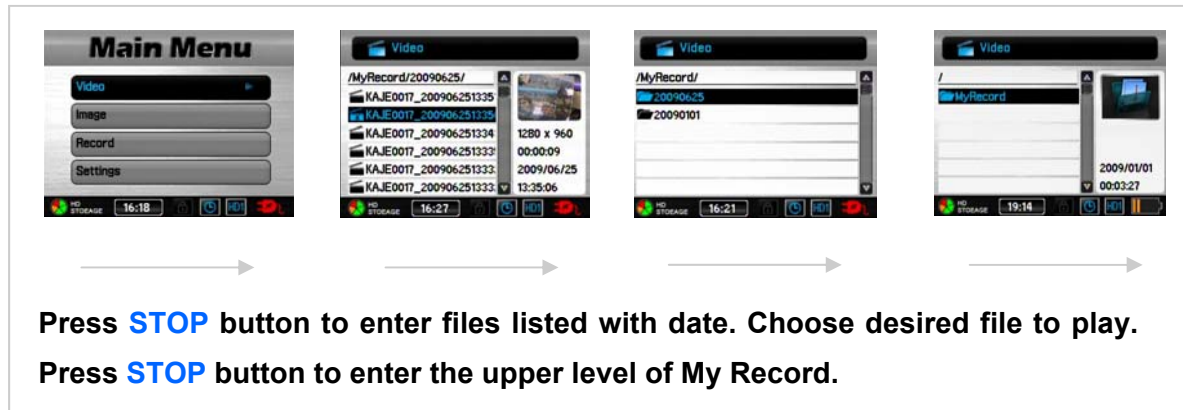
31. Device information > show information about PV-1000

In Main Menu, press **|▶** to select Setting. Then, press **|▶** to select Device Information to show information about PV-1000.



Operations in Main Menu

Press **|▶** to select Videofunction. Press **|▶** to enter the files. Choose the files press **|▶** to play video.



Fast Playback

- **Double Speed Playback:** press **▶** during normal speed playback. Video file will be played with a speed twice faster. Press **|▶** to return to the normal speed playback .
- **4 Times Speed Playback:** press **▶** twice during normal playback or press **▶** during double speed playback. Video file will be played with a speed four times faster. Press **|▶** to return to normal speed playback.
- **8 times Speed Playback:** press **▶** three times during normal playback or press **|▶** during four times speed playback. Video file will be played with a speed eight times faster. Press **▶** to return to the normal speed playback.



Slow motion function

- **1/2 Speed slow motion:** press **|▶** after pausing the playback. Video file will be played in half speed slow motion. Press **ENTER |▶** button to return to normal speed playback.
- **1/4 Times Speed Playback:** press **|▶** twice after pausing the playback. Video file will be played in quarter speed slow motion. Press **ENTER |▶** button to return to the normal speed playback.
- **1/8 times Speed Playback:** press **|▶** three times after pausing the playback. Video file will be played in one eighth speed slow motion. Press **ENTER ||▶** button to return to normal speed playback .



Reverse Playback

- **Two times reverse playback:** press **◀** during normal speed playing. Video file will be played with a speed twice faster. Press **|▶** to return to normal speed playback.
- **Four times reverse playback:** press **▶** twice during normal speed playing. Video file will be played with a speed four times faster. Press **|▶** to return to normal speed playback.
- **Eight times reverse playback:** press **◀** three times during normal speed playing. Video file will be played with a speed eight times faster. Press **▲ / ▼ / ◀ / ▶** to return to normal speed playback.



Pause >

- Press **Pause** button to pause the Video playing. Press **|▶** once again to return to normal speed playback.

Stop >

- Press **Stop** button **■** to stop playing and turn to File List mode.



Video Capture >

Capture Image while the video is playing.

- Press **PAUSE** and then press the **■** button on the left key of navigation key on main device to take a snapshot. Press **|▶** to return to normal speed playback. The captured pictures will be stored in the image file.

! **Note:** Remote control cannot be used to capture image.

During Video Playback > Press **SETUP** button, the video will be paused, and the setting items will appear :



- Video Playback (All/Single/No)
- Full Screen (On/Off)
- Display (LCD/TV/BOTH)
- Press **STOP** to playback.

In File List mode > Press **SETUP** button, the setting items will appear:



- Video Playback (All/Single/No)
- Video Thumbnail (on/off)
- Delete (One/All)
- Protect (On/Off)
- Copy (One/All)
- MOVE (One/All)
- File Information

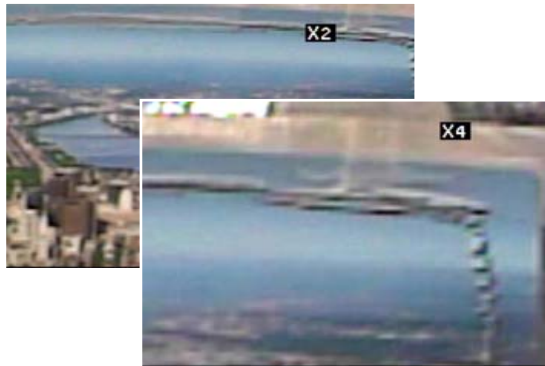
Operations in Main Menu

Press ▲ / ▼ to select Image. Press ▶ to enter file list. Choose file you desire to browse then press ▲ / ▼ / ◀ / ▶ to select the photo to browse.



Next, Press STOP to return to the upper level menu and then press ▲ / ▼ / ◀ / ▶ to select the photo folder listed by date; then press ▶ to browse. Press STOP to return the upper level of My Record..





Zoom in the photo by 2 times/4 times

- Zoom in by 2 level: press **|▶** once when browsing the photo. (while the image is enlarged, press **▲ / ▼ / ◀ / ▶** to move to different position)
- Zoom in by 4 times: press **|▶** twice when browsing the photo. (while the image is enlarged, press **▲ / ▼ / ◀ / ▶** to move to different position)



Slide Show

- In File list Mode or Image Browsing Mode, press **SET UP** button to show the setting items, select “ Slideshow Start” and press **|▶** to start the Slide Show.
- Press **STOP** to stop Slide Show.

When selecting photo in a image file : Press **SETUP** button, the setting items appear:




- Slideshow Start
- Thumbnail Preview (On/Off)
- Delete (On/Off)
- Protect (On/Off)
- Copy (One/All)
- Move (One/All)
- Slideshow Playback (All/No)

When browsing photo: Press **SETUP** button, the setting items appear:



- Slide Show Start
- Slide Show Repeat (All/No)
- Slide Show Time (3 sec/ 5 sec/ 7 sec/10 sec)
- Display (LCD/TV/BOTH)
- File Information

 **Note:** Press **|▶** to read file information . Press **STOP** to return to the upper level.

In File List Mode : Press **SETUP** button, the setting items appear:



- Slideshow Start
- Thumbnail Preview (On/Off)
- Slide Show Time (No/All)
- Slide Show Time (3 sec/ 5 sec/ 7 sec/10sec)

Supported Image File Format

	Baseline
JPG	Lower than 4032 X 4032

Connect an external camera and select Record function. Then press **|▶** to enter record page



Preview

Before external camera connection, there is no signal on the display. After connection, display will show up preview mode and standby to record.

Press REC to start recording or REC button on the remote control. Press **STOP** to finish recording .



In Preview mode, Press **SETUP**, the setting items appear:

- Resolution (352X288 /640X480/720X56/1024X768/1280X720/1280X960)
- Quality (Good/Normal/Low)
- Frame Rate (1 / 5/ 15 /20/30)
- Audio (Enable/Disable)
- Frame Counter Stamp (On/Off)
- Timestamp (On/Off)
- Device ID Stamp (On/Off)
- Display (LCD/TV/Both)
- Microphone sensitivity
- Over-write (Enable/Disable)

Pre-Event

Select Pre-Event and press **▶** to enter Pre-Event mode. Press REC on the main device or REC on controller to start Recording.



In Preview mode, Press SETUP, the setting items appear:



- Resolution (352X288 /640X480/720X56/1024X768/1280X720/1280X960)
- Quality
- Frame Rate (1 / 5/ 15 /20/30)
- Audio (Enable/ Unable)
- Frame Counter Stamp (On/Off)
- Timestamp (On/Off)
- Device ID Stamp (ON/Off)
- Display (LCD/TV/BOTH)
- Pre-Record Time (30 sec/15 sec)
- Microphone sensitivity
- Over-write (Enable/Disable)

Note: Under this Pre-Event mode, the video image will be automatically recorded to Video file without pressing REC button.

Motion Detect (Press REC to start recording)

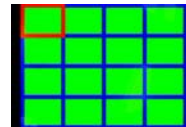
Select **Motion Detect** and press **|▶** to **Motion Detect** mode. Press **REC** on the main device or **REC** on controller to start Recording.. If the recording environment is still, recording will stop. When detect motions on the bottom of display , device will start recording again, and same actions are taken repetitively.



In **Motion Detect Mode**, Press **SETUP**, the setting items appear:



- Resolution (352X288 /640X480/720X56/1024X768/1280X720/1280X960)
- Quality (Good/Norma/ Low)
- Frame Rate (1 / 5/ 15 /20/25)
- Audio (Enable/Disable)
- Frame Counter Stamp (On/Off)
- Timestamp (On/Off)
- Device ID Stamp (ON/Off)
- Display (LCD/TV/BOTH)
- Motion Detect Level (High/Medium/Low)
- Motion Detect Record Time (30 sec/1min/3 min/ 5 min/ 10min)
- Motion Detect Area Select >Press **|▶** to select the area for target of motion detect.
- Microphone sensitivity
- Over-write (Enable/Disable)



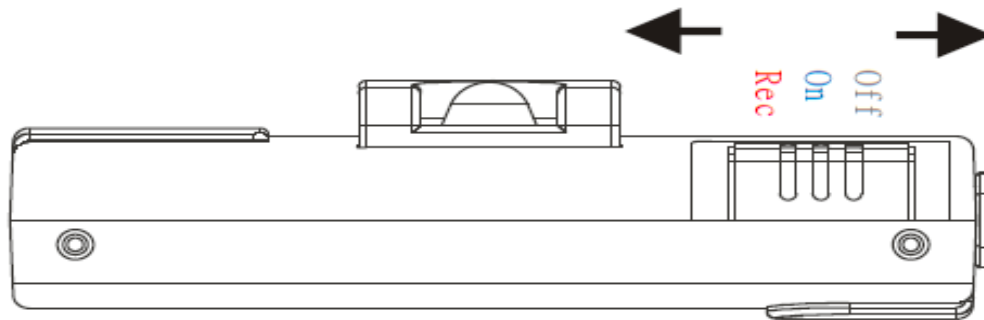
Video Capture > Capture Image while recording

Press **■** button on the left of navigation key on main device to take a snapshot. The captured pictures will be stored in the image file.



Operating Remote Controller

To	Do this
Power Off	Slide the switch to Off position to power off the device.
Power On	Slide the switch to On position to power on the device.
Record	Slide the switch to Rec position to start recording.



Timer	Time
Display	Resolution 320 X 240 (R.G.B) 3.5 inch TFT-LCD with LED backlight NTSC/PAL composite output
AV IN/ OUT	AV input/output through two ϕ 3.5mm jack
CCD in / DC5V Out	CCD input /DC 5V output through 2.5mm jack
LED indication Light	LED 1 – charging (orange) LED 2 – Power (green) LED 3 – Video recording (red)
Storage Device	SD card (support SDHC) + Hard Disc
Computer connection	USB 2.0 mini connector
Power System	Rechargeable/ exchangeable Lithium Ion Battery 3.6v 1250mAh Power supply 100-240 V, 50 ~ 60 Hz
Dimension/ Weight	23.5 X 80 X 130mm/ 210g / 256g (battery included)
System Requirements	Operating system: Window: Window2000, Window XP CPU: Intel Pentium III 800 MHz and beyond Relevant hardware accessories: USB port, Mouse, CD-ROM Window- compatible display with a required resolution of 1024 X 768

File Format	Resolution	Bit Rate	Frame rate
	Under 1280X960	Under 10Mbps	Under 30 fps
AVI(DivX 4/5.0)	X	X	X
AVI (DivX 2/3)	X	X	X
MPEG1(DAT, MPG-VCD File format)	X	X	X
ASF (MPEG4)	●	●	●
RM	X	X	X
WMV	X	X	X
VOB (DVD file format Without copy protection)	X	X	X
MJPEG (AVI)		a-law, u-law	



Note:

● :can be played in PV-1000.

X : can not be played and the file format can not be converted.

Resolution setting:

(352X288 /640X480/720X56/1024X768/1280X720/1280X960)

Before using this product, please read this manual thoroughly to ensure you are using this product properly.

- When cable controller is plugged into main device, keypad on the main device will pause all functions except “Hold” switch. Use controller to operate the main device.
- All the recorded files are stored in the IMAGE/VIDEO folder.
- If the file is corrupted, it cannot be played. The system will return to the file list mode.
- The player can distinguish an unlimited number of files/folders. However, within a folder, only up to 999 files can be distinguished.
- The supported video file is AVI, not including AC3, DTS, AAC or else.
- All data in the device may be deleted due to excessive impact, lighting, power etc. Warranty does not cover damages caused by the conditions mentioned above. Please protect and back up the data in the device properly.
- Please do avoid heavy vibration while recording, which might damage the hard disc or other components inside the unit.
- Please do not apply heavy pressure on PV-1000. Player itself may be damaged because of heavy pressure applied.
- If SD card the card can not slide smoothly to the end, do not force to press it in. This might damage the memory card and the unit.
- Check the card insertion direction and see if the card is inserted in proper direction.
- When take out the SD card, press the card gently then pull. If the memory card is inserted in the wrong direction, the card can not be pressed completely into the end of the slot. Please do not press hard to avoid damages to the card and the device.

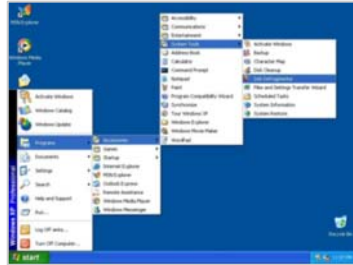
- Connect PV-800 with PC through USB cable to read, download & save the files directly in the hard disc.
- If you use the computer to format the storage device, please use FAT32 format.
- Please do not scratch the LCD with hard materials because LCD is easy to be damaged. If you want to remove the dust on the LCD display, please clean with a soft dry cloth. If there are dirt or stains on the display, you can clean it with soft cleansing liquid. Do not use volatile solutions because they will cause chemical reactions. Thus, the device might be deformed or discolored.
- If the device is moved from cold to warm environment, the LCD display will fog up. If this occurs, please turn off your PV-1000 and wait for one hour.

Do not store or operate the PV-1000 under environment listed below:

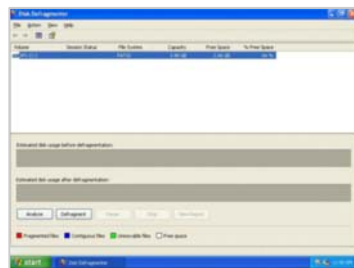
- High humidity.
- Directly exposed to sunshine or extremely high/low temperature in a closed space.
- Do not place the device close to environment has strong vibration or strong magnetic fields, e.g.: close to automobiles, voltage transformers or magnets.
- Perform hard disc defragment every 1 to 2 months to make sure it works normally and correctly.

Defragment

- **Step 01:** Please connects PV-1000 to PC with USB cable.
- **Step 02:** Click Start > All Programs > Subsidiary Application Programs > System Tools > Defragment tool.



- **Step 03:** Select PV-1000 hard disc device and start the defragment task.



- **Step 04:** Application will analyze the disk, then will request consent to execute defragment task.



