

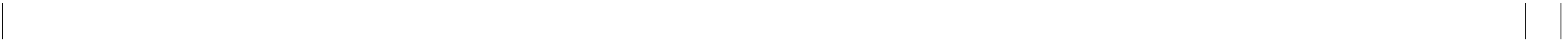
PV-500 EVO User's Guide







Law Enforcement Products Manufacturer
LawMate



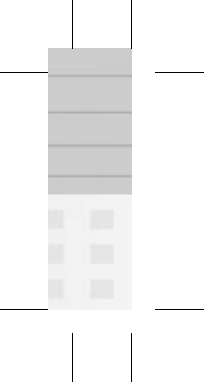
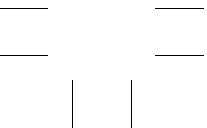
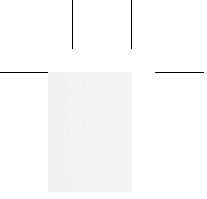




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14 IMPORTANT

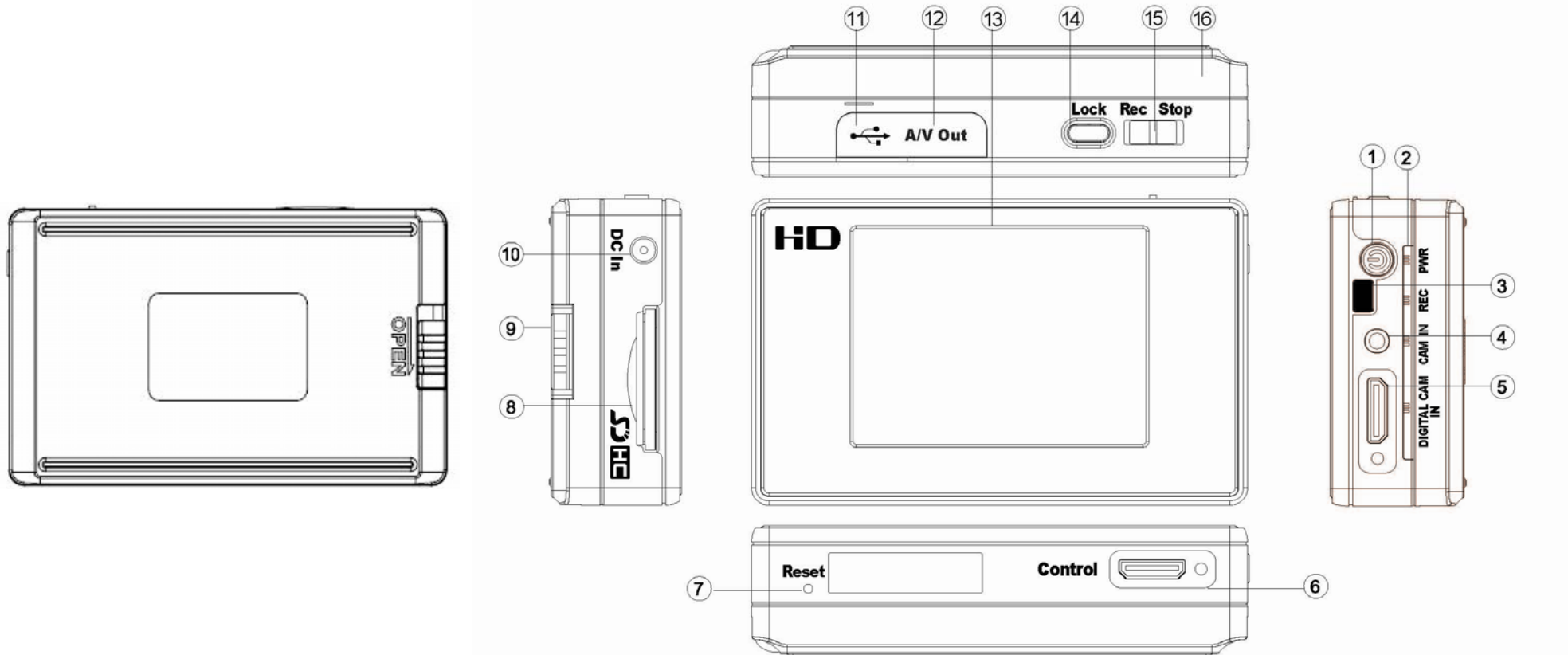
37

15 NOTE

40

Overview

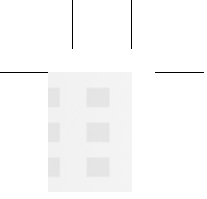
PV-500EVO Main Device



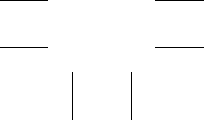
- 1. Power Button
- 2. Status Bar
- 3. Infrared Sensor
- 4. Analog Cam In
- 5. Digital Cam In
- 6. Controller Port

- 7. Reset Button
- 8. SD Card Slot
- 9. Battery Lock Button
- 10. Power Connector
- 11. USB 2.0 Port
- 12. A/V Out Port

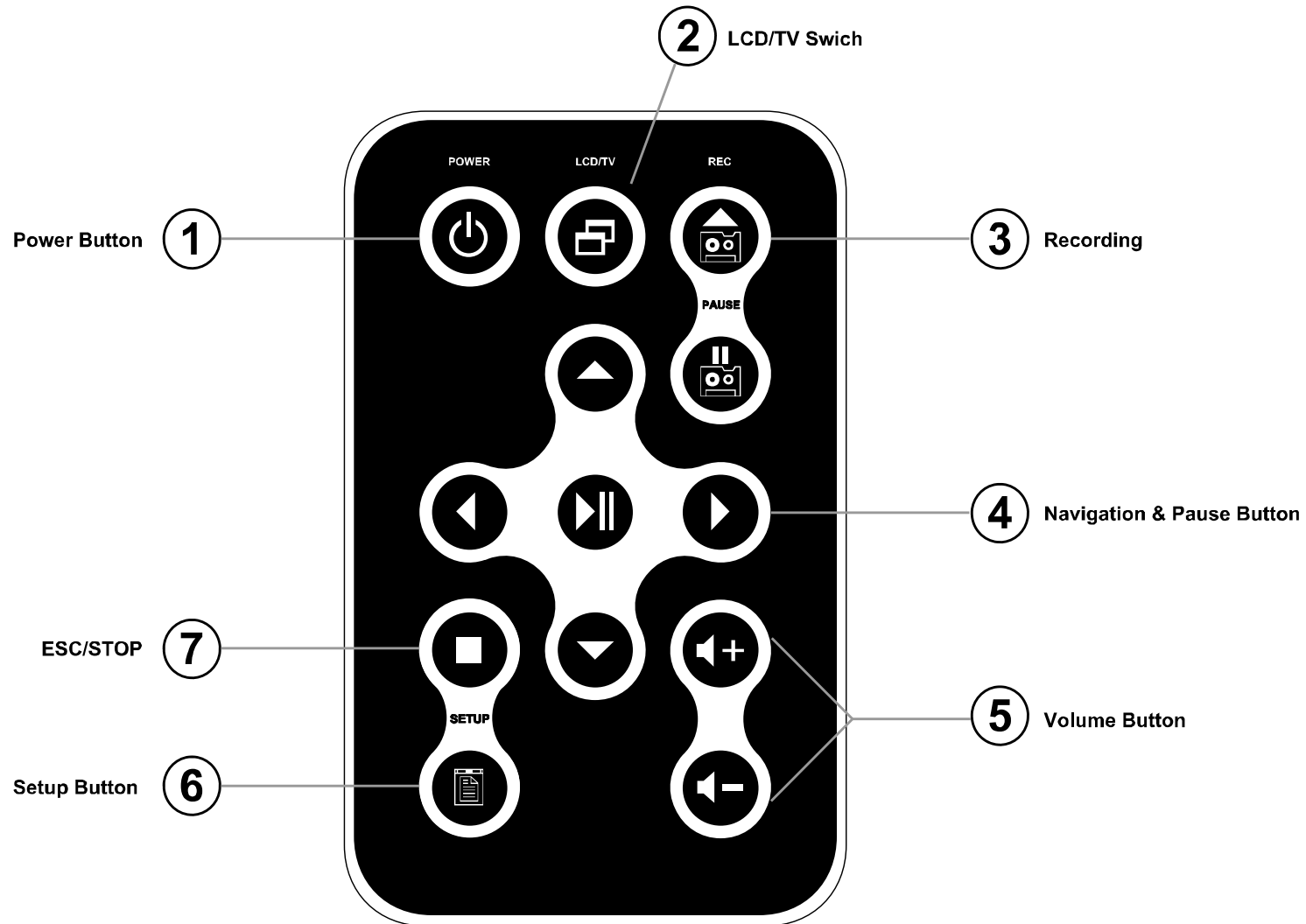
- 13. Touch Screen -- 2.36 Inch
- 14. Screen Lock Button
- 15. Record/Stop Button
- 16. Battery Pack

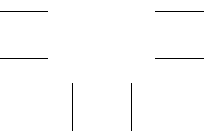
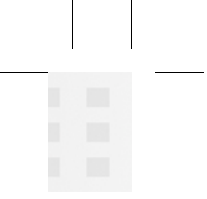


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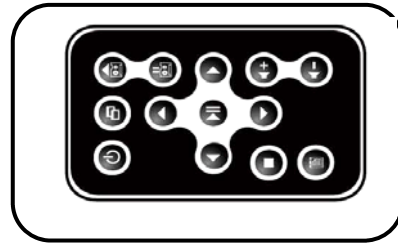
Remote control



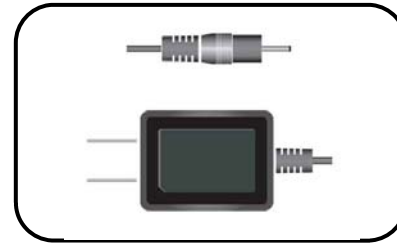


Overview

Accessories



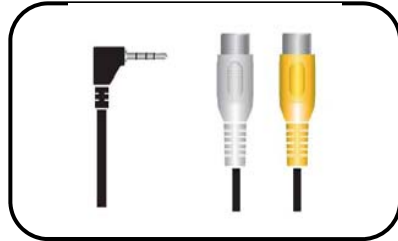
IR Remote Controller



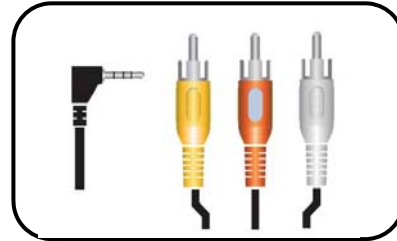
DC 5V Charger



USB Cable



AV Cable (Camera)



RCA Cable (TV)



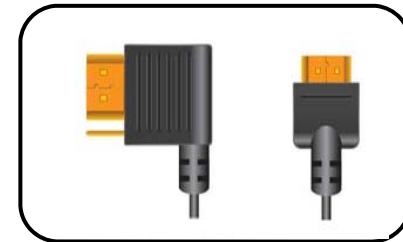
Earphone



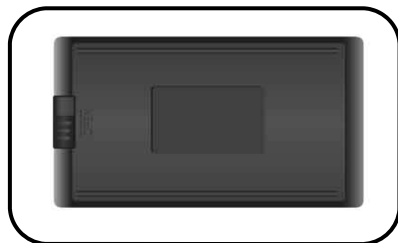
Camera Pouch



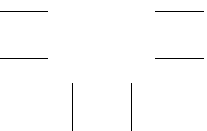
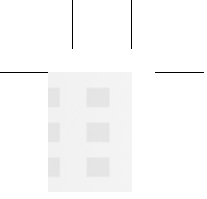
Cable Controller



Controller Cable



Li-ion Battery



Li-ion Battery

Function Modes

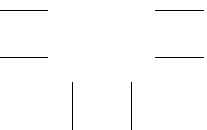
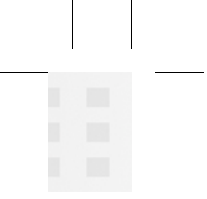
Video File
Storage /
Playback

Recording
Function







Image File
Storage /
Playback

Functional
Settings



Basic operation



Turn on/ off


To	Do this	
Turn On	Press Power On/ Off button  1 sec. Greeting screen appears.	
Turn Off	Press Power On/Off button  1 sec. Or press Power button on the remote control.	

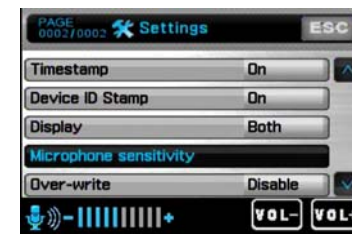
Using the Touch Screen

Tap any application to start or tap an item in the list to select.

Tap icon  to return last page or return back to main menu.

Tap icon  or  to move change menu page.

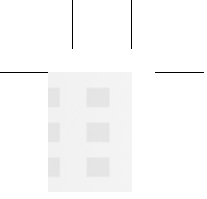
Tap icon  to start function setting.



Adjust Volume

When video is replayed on DVR, tap icon  /  from the screen or the volume button on the remote controller to adjust volume. Volume varies in 10 levels.

Volume status is displayed on the lower left corner of display.

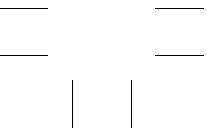


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controller to adjust volume. Volume varies in 10 levels.


Volume status is displayed on the lower left corner of display.

Basic operation

Record button

- **Start Recording:**

Press the REC button on the PV-500EVO or the  button on the IR remote controller to start recording.

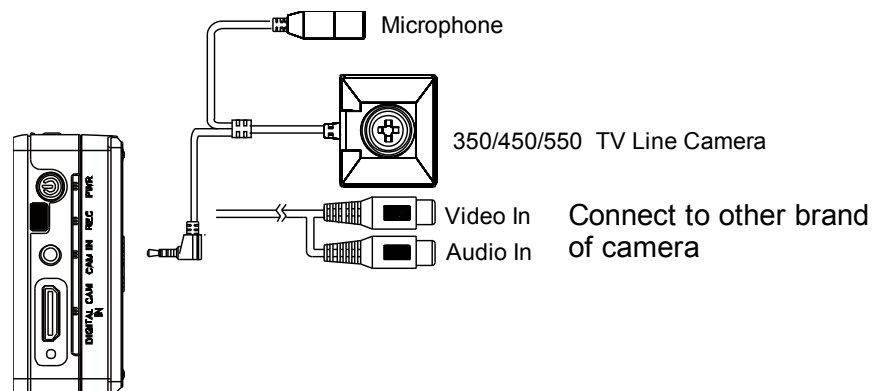
- **Stop Recording:** Press STOP button or the  button on the IR remote controller to stop recording.



Link with other equipments

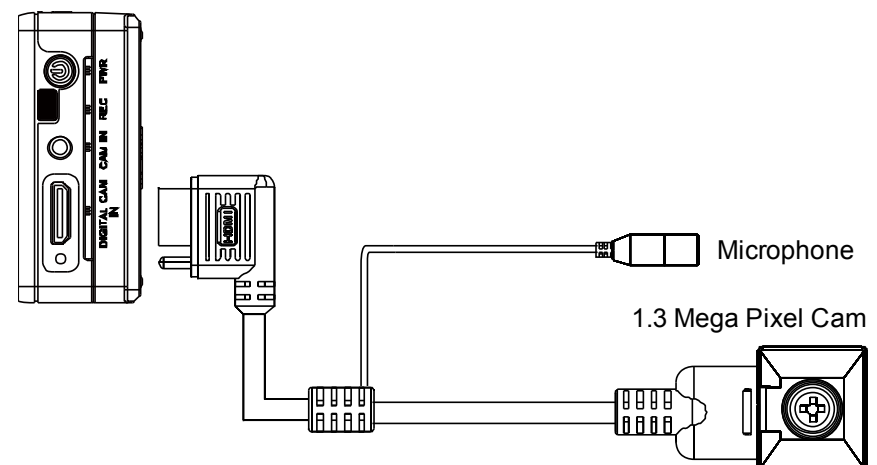
- **External Video Recording – Analogue Camera**

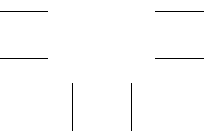
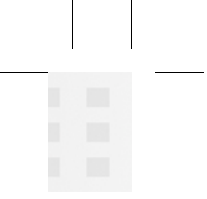
Plug in an external camera into CAM IN socket to enable recording.



- **External Video Recording – Digital Camera**

Plug in an external camera into DIGITAL CAM IN socket to enable recording.



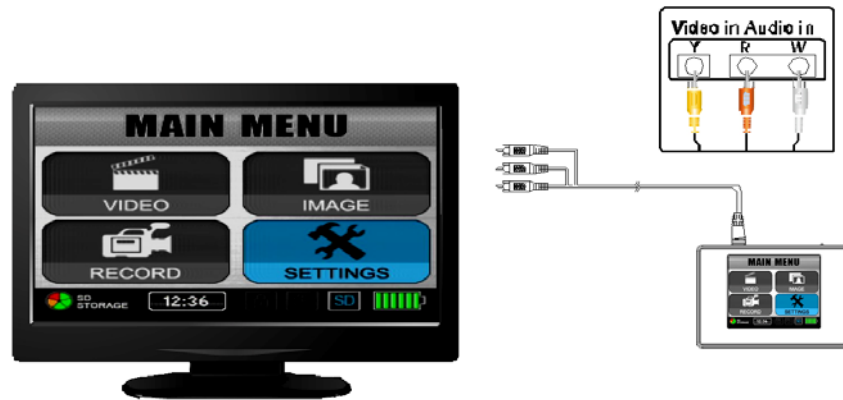




Basic operation

- **Output to TV Display:**

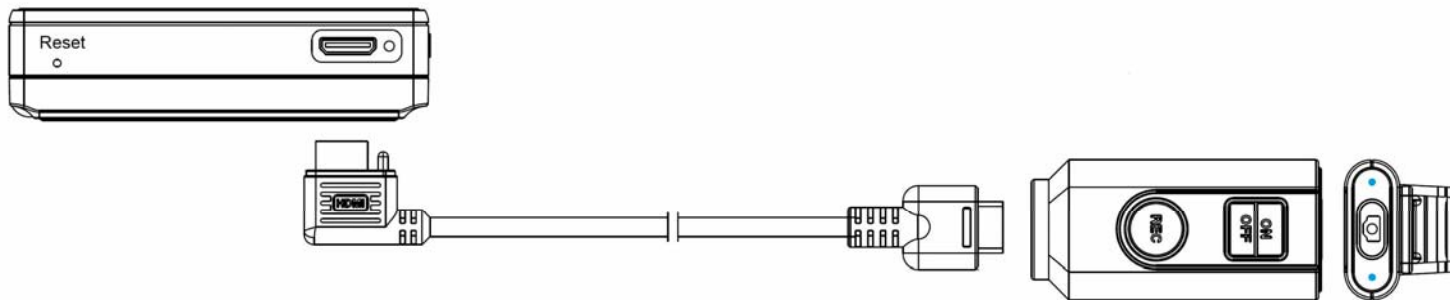
Plug an RCA cable in AV-OUT output image on TV.



- **IMPORTANT:**

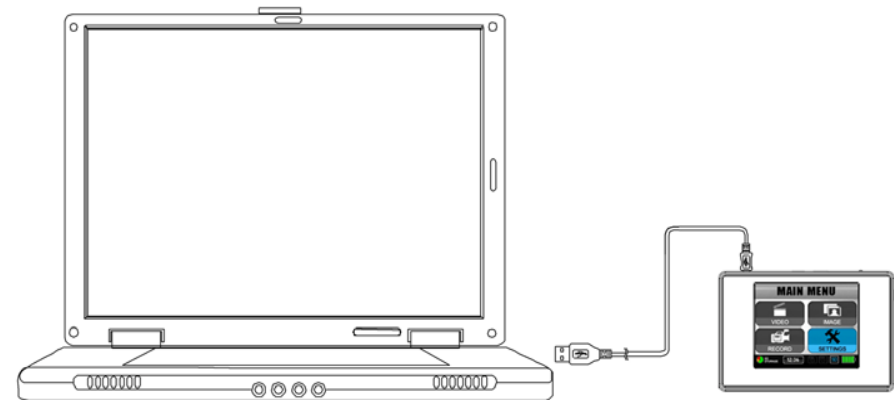
To enable image output, note the display setting, [Setting > Preview > Display](#), required to change to “TV” instead of “LCD”.

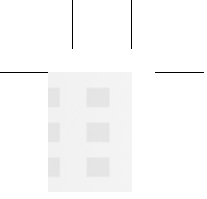
- **Connect to Wire Controller:**



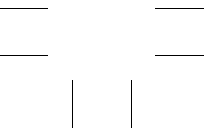
- **Connect to PC:**

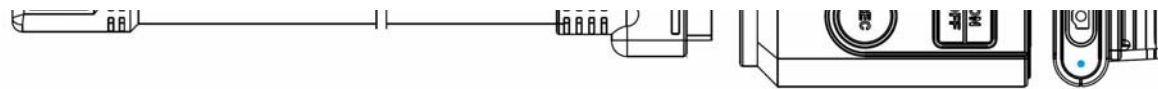
1. Connect the two ends of A/B type USB cable from PV-500EVO to PC.
2. An indication of “USB Mode” appears on the screen for 5 seconds after installation to initiate charging.





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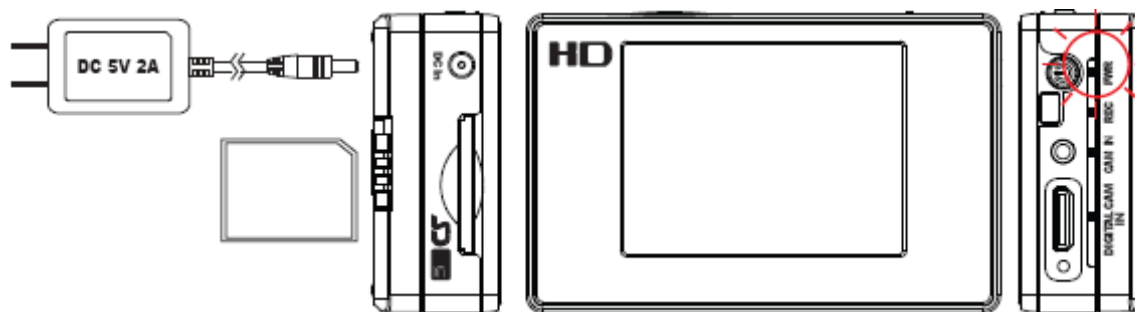
Controller(On/Rec/Photo/Off)

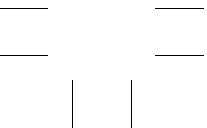
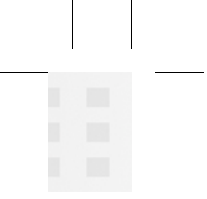
Basic operation

- **Charging:**

When the battery is low, the power LED light flashes green light and the meter shows a red bar on the battery gauge at lower right corner of the screen. This means that you must charge the battery immediately. Connect the main device with DC adapter and then plug the adapter into a power outlet. The LED light will flash orange light meaning that it is charging.

! **Important:** Please charge the battery for 12 hours continuously without disconnection on the first time use. The LED light turns off after charging is completed. The adapter should be unplugged after charging is completed to well maintain battery life span.

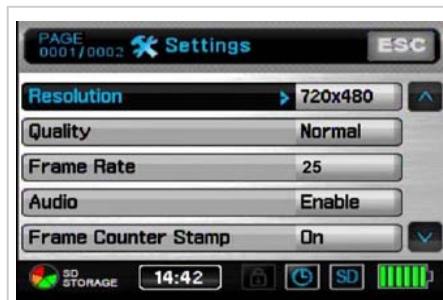




Introduction to all Setting Functions

01. Preview >

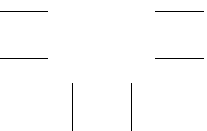
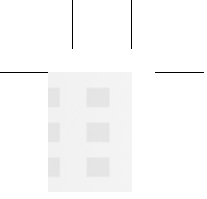
Tap on the screen: **Settings > Preview > Any function listed below**



- Resolution (352X288 / 640X480 / 720X576 / 1024X768 / 1280X720 / 1280X960)
- Quality (High/Normal/Low)
- Frame Rate(1 / 5/ 15 /20/25)
- Audio (Disable/Enable)
- Frame Counter Stamp (Off/On)
- Timestamp (Off/On)
- Device ID Stamp (Off/On)
- Display (LCD/TV/Both)
- Microphone Sensitivity (**VOL-** / **VOL+**)
- Overwrite (Disable/Enable)

! Notice:

To enable image output, the setting, **Setting > Preview > Display**, is required to change to **TV** instead of **LCD** or **Both**.



or **Both.**

PV-500EVO User Manual

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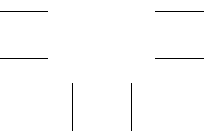
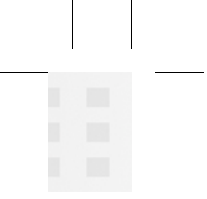
Introduction to all Setting Functions

02. Pre-event >

Tap on the screen: **Settings > Pre-events > Any function listed below**



- Resolution (352X288 / 640X480 / 720X576 / 1024X768 / 1280X720 / 1280X960)
- Quality (High/Normal/Low)
- Frame Rate (1 / 5/ 15 /20/25)
- Audio (Disable/Enable)
- Frame Counter Stamp (Off/On)
- Timestamp (Off/On)
- Device ID Stamp (Off/On)
- Display (LCD/TV/Both)
- Pre-event Duration (30 sec /15 sec)
- Microphone Sensitivity (**VOL-** / **VOL+**)
- Overwrite (Disable/Enable)





- Overwrite (Disable/Enable)

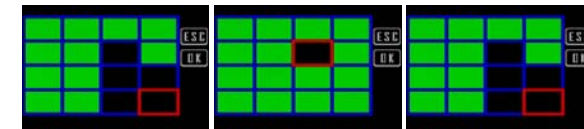
Introduction to all Setting Functions

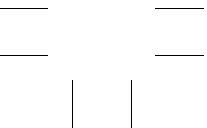
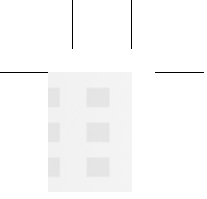
03. Motion Detection >

Tap on the screen: **Settings > Motion Detection >** Any function listed below





- Resolution (352X288 / 640X480 / 720X576 / 1024X768 / 1280X720 / 1280X960)
- Quality (High/Normal/Low)
- Frame Rate (1 / 5/ 15 /20/25)
- Audio (Disable/Enable)
- Frame Counter Stamp (Off/On)
- Timestamp (Off/On)
- Device ID Stamp (Off/On)
- Display (LCD/TV/BOTH)
- Motion Detect Level (Low/Medium/High)
- Motion Detect Record Time (30 sec / 1 min / 3 min / 5 min / 10 min)
- Motion Detect Zone
- Microphone Sensitivity (**VOL-** / **VOL+**)
- Overwrite (Disable/Enable)







Introduction to all Setting Functions

04. Date and Time > Configure date and time setting.

Tap on the screen Main Menu > Setting > Date and Time to edit settings. Tap  or  to move to specified menu pages.



05. Date Format >

Tap on the screen Main Menu > Setting > Date Format to edit settings. Tap  or  to move to specified menu pages. Tap **ESC** to return to previous menu page.





06. Language > Choose language display on user interface

Tap on the screen Main Menu > Setting > Language to edit settings.

Tap  or  move next page menu. Tap **ESC** to return to previous menu page.





07. Pre-set Recording Mode > Choose specified default recording mode to immediate access after device is turned on

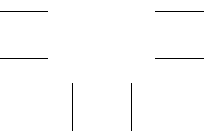
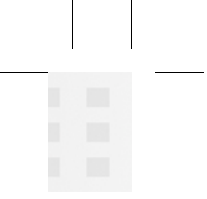
Tap on the screen Main Menu > Setting > Record Mode to edit settings. Tap  or  move next page menu. Tap **ESC** to return to previous menu page.





08. Resume to Pre-set Duration > Choose different period of time that device is resumed back to the Pre-Set Recording when the device is inactive

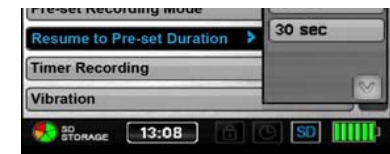
Tap on the screen Main Menu > Setting > Resume to Pre-set Duration to edit settings. Tap  or 





the Pre-Set Recording when the device is inactive

Tap on the screen Main Menu > Setting > Resume to Pre-set Duration to edit settings. Tap  or 



Introduction to all Setting Functions

09. Timer Recording > Schedule time to initiate recording at designated time frame

Tap on the screen Main Menu > Setting > Timer Recording to edit settings. Tap on the shown icon to set timer. Tap **▲** or **▼** move next page menu. Tap **ESC** to return to previous menu page. To start the timer, tap on the screen Main Menu > Setting > Timer Recording > Setting to select ON.



! Notice: It is needed to set the setting as “ON” to book the reserved recording successfully; Also the reservation will be executed only when the device is in Power on state

10. Vibration > Set On or Off Vibration alert during video recording

Tap on the screen Main Menu > Setting > Vibration to edit settings. Tap **▲** or **▼** move next page menu. Tap **ESC** to return to previous menu page.



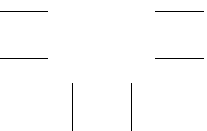
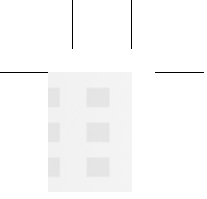
11. Backlight Out Duration >

Select specified duration to turn off backlight when DVR is not in used.

Tap on the screen Main Menu > Setting > Backlight Out Duration to edit settings.

Tap **▲** or **▼** move next page menu. Tap **ESC** to return to previous menu page.





Introduction to all Setting Functions

12. Digital Cam Low Lux >

Digital camera preference setting, requires to edit setting if digital camera is to record in 30fps frame rate. Set On or Off if digital camera is capturing images in low lux condition. Tap on the screen Main Menu > Setting > Digital Cam Low Lux to edit settings. Tap ▲ or ▼ move next page menu. Tap **ESC** to return to previous menu page.



13. Digital Cam NTSC/PAL >

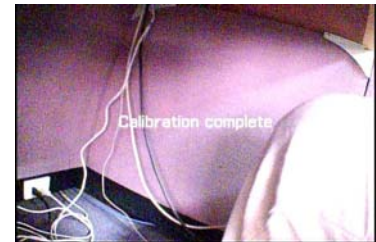
Digital camera preference setting, requires to edit setting when Digital camera is connected. Set NTSC or PAL video system when DVR is connected.

Tap on the screen Main Menu > Setting > Digital Cam NTSC/PAL to edit settings. Tap ▲ or ▼ move next page menu. Tap **ESC** to return to previous menu page.



14. Digital Cam Calibration >

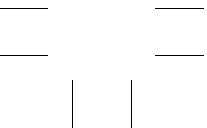
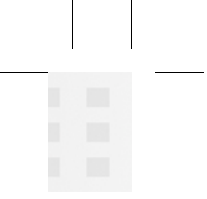
Digital camera preference setting, requires to execute calibration setting when digital camera is connected. Calibrate digital camera to adjust surrounding lighting and white balance. Tap on the screen Main Menu > Setting > Digital Cam Calibration to calibrate white balance. Tap ▲ or ▼ move next page



15. Storage Option >

Digital camera preference setting, PV500EVO contains only SD card storage option. Tap on the screen Main Menu > Setting > Storage Option to view SD card option. Tap ▲ or ▼ move next page menu. Tap **ESC** to return to previous menu page.







Introduction to all Setting Functions




16. Storage Information >

Show the storage volume and the free storage space information.

Tap on the screen Main Menu > Setting > Storage Information to show storage information. Tap  or  to move to next page menu. Tap **ESC** to return to previous menu page.





17. Storage Capacity Icon >

Show the SD card icon  on the lower left corner of the screen if SD card is properly inserted in the card slot. Tap on the screen Main Menu > Setting > Storage Capacity Icon to show SD card storage availability. Tap  or  move next page menu. Tap **ESC** to return to previous menu page.



18. Format Memory >



Optional function to allow SD formation and reformation on DVR.

Tap on the screen Main Menu > Setting > Format Memory to format and reformat SD card. Tap  or  to move to next page menu. Tap **ESC** to return to previous menu page.



19. TV Out Setting >



Function to select video system on output TV.

Tap on the screen Main Menu > Setting > TV Out Setting to edit video system on output TV. Tap  or  to move to next page menu. Tap **ESC** to return to previous menu page.

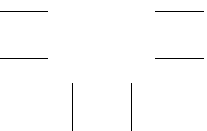
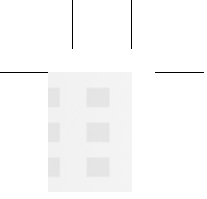


20. TV Out Adjustment >

Function to adjust horizontal and vertical position of output image displayed on TV.

Tap on the screen Main Menu > Setting > TV Out Adjustment to edit output image position on TV. Tap  or  to move to next page menu. Tap **ESC** to return to previous menu page.





▲ or ▼ to move to next page menu. Tap ⏪ to return to previous menu page.



Introduction to all Setting Functions

21. Display > Configure output display setting

Tap on the screen Main Menu > Setting > Display to assign output display device. Tap ▲ or ▼ to move to next page menu. Tap **ESC** to return to previous menu page.



22. Video Playback > Configure video playback repeat sequence in video file folder

Tap on the screen Main Menu > Setting > Video Playback to configure playback sequence. Selection **All** is to play all files stored in the folder repeat continuously. Selection **No** is to play all files stored in the folder once, no repeat. Selection **Single** is to play selected single one file stored in the folder. Tap ▲ or ▼ to move to next page menu. Tap **ESC** to return to previous menu page.



23. Video Thumbnail > Enable video thumbnail icon to show in video file folder

Tap on the screen Main Menu > Setting > Video Thumbnail to switch on or off thumbnail icon in video file folder. Tap ▲ or ▼ move next page menu. Tap **ESC** to return to previous menu page.



24. Image Thumbnail > Enable image thumbnail icon to show in image file folder

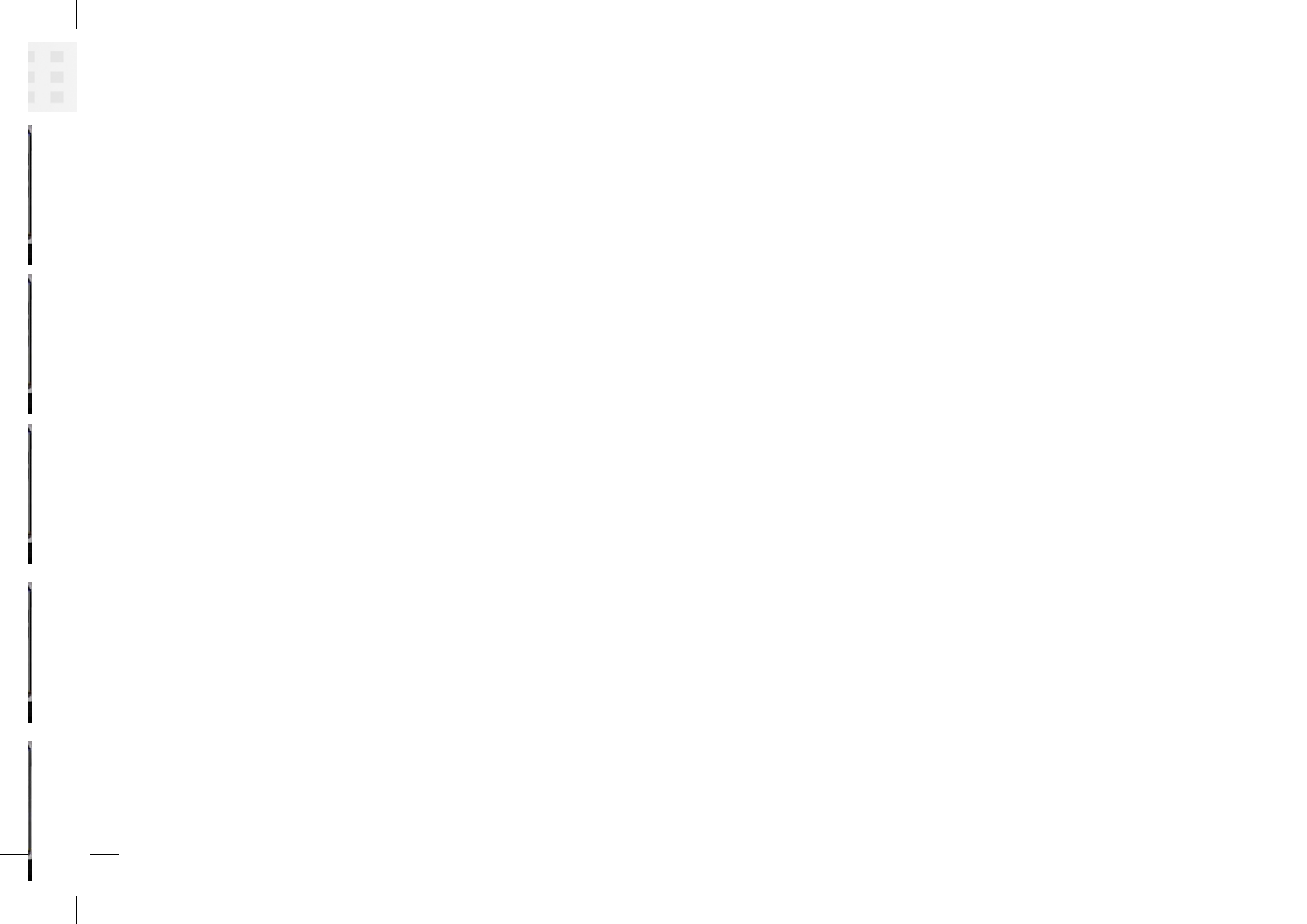
Tap on the screen Main Menu > Setting > Image Thumbnail to switch on or off thumbnail icon in image file folder. Tap ▲ or ▼ move next page menu. Tap **ESC** to return to previous menu page.



25. Continuous Shot No. > Configure continuous shot number in one single capture



Tap on the screen Main Menu > Setting > Continuous Shot No. to configure the number of shot captured in one single snapshot. Tap ▲ or ▼ move next page menu. Tap **ESC** to return to previous menu page.





Introduction to all Setting Functions

26. Start Slideshow > to enable slideshow functionality

Tap on the screen Main Menu > Setting > Start Slideshow to configure slideshow display pattern. Tap  or  move next page menu. Tap **ESC** to return to previous menu page.



27. Slideshow Duration > setting the section time to show each photo in one slideshow

Tap on the screen Main Menu > Setting > Slideshow Duration to configure the section time to show each photo. Tap  or  move next page menu. Tap **ESC** to return to previous menu page.



28. Firmware Upgrade >

Insert the SD card which contains update firmware. Tap on the screen Main Menu > Setting > Firmware Upgrade to upgrade the device firmware. Tap on Ok to execute firmware update and Cancel to withdraw firmware upgrade. After the system is upgraded, device will reboot automatically. If the message "Update Error" is shown, it means that there are errors during update or errors in the file. Please use another memory card and reboot the device again.





29. Restore Factory Setting > choose to restore factory setting

Tap on the screen Main Menu > Setting > Restore Factory Setting to erase all current settings and restore to original factory setting. Tap OK to execute and Cancel to withdraw.






30. Power On Password > To enable or disable password protection when the equipment is power on

Tap on the screen Main Menu > Setting > Power On Password to enable or disable password protection when the equipment is power on. Tap  or  move next page menu. Tap **ESC** to return to previous








when the equipment is power on. Tap  or  move next page menu. Tap  to return to previous menu page.

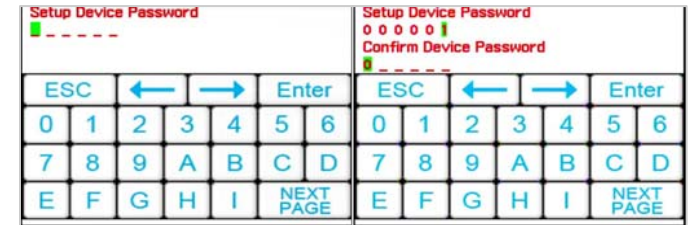


Introduction to all Setting Functions




31. Set Power On Password >

Tap any six chosen characters on virtual keyboard and confirm the entered password by tapping on **Enter** to complete the password setting.

Tap on the screen Main Menu > Setting > Set Power On Password to Password to set the password combination. Tap  or  move next page menu. Tap  to return to previous menu page.






32. USB Connection Password> To enable or disable password protection when the equipment is connected to USB cable

Tap on the screen Main Menu > Setting > USB Connection Password to enable or disable password protection when the equipment is connected to USB cable. Tap  or  move next page menu. Tap  to return to previous menu page.



33. Set USB connect password> to enable or disable password protection when the equipment is connected to USB cable

Tap any six chosen characters on virtual keyboard and confirm the entered password by tapping on **Enter** to complete the password setting. Tap on the screen Main Menu > Setting > Set USB Connection Password to set the password combination. Tap  or  move next page menu. Tap  to return to previous menu page.





ETD 6r

d



ETD 6r

||

||

ESC	←	→	Enter			
0	1	2	3	4	5	6
7	8	9	A	B	C	D
E	F	G	H	I	NEXT PAGE	

ESC	←	→	Enter			
0	1	2	3	4	5	6
7	8	9	A	B	C	D
E	F	G	H	I	NEXT PAGE	

ESC	←	→	Enter			
0	1	2	3	4	5	6
7	8	9	A	B	C	D
E	F	G	H	I	NEXT PAGE	




r
6
D
E

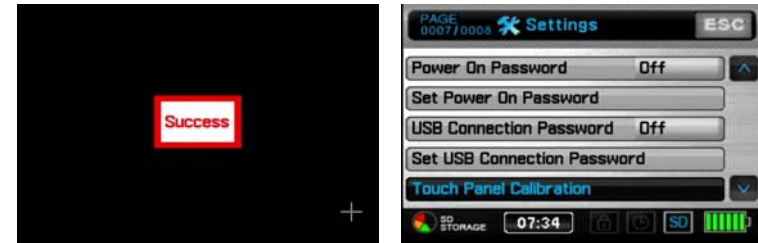
19

Introduction to all Setting Functions




34. Touch Panel Calibration >

Functions to calibrate the accuracy of touch panel

Tap on the screen Main Menu > Setting > Touch Panel Calibration to calibrate touch panel accuracy by point the cross shown on screen until Success appeared on the display. Tap  or  move next page menu. Tap  to return to previous menu page.






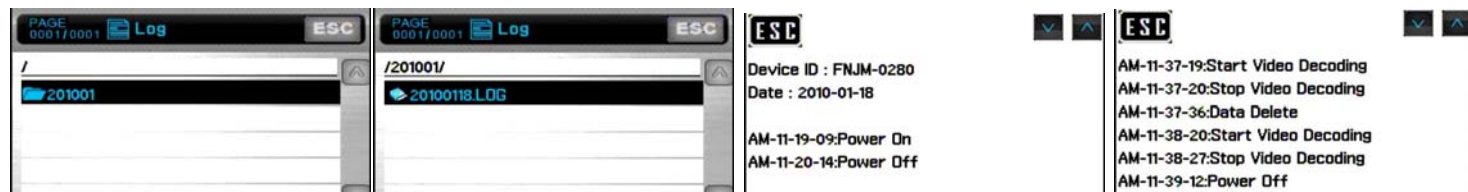
35. Create Log File > Enable or disable log file creation

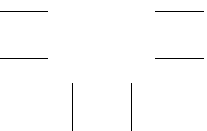
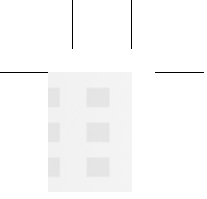
Tap on the screen Main Menu > Setting > Create Log File to enable or disable log file creation. Log file is a text file recording all operations done on the equipment. Tap  or  move next page menu. Tap  to return to previous menu page.

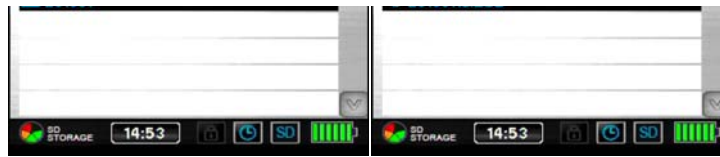


36. View Log > view all recorded log file

Tap on the screen Main Menu > Setting > View Log to access log file directory. Log file is a text file recording all operations done on the equipment. Tap on any file to view the file listed in the current directory. Tap  or  move next page menu. Tap  to return to previous menu page.










AM-11-19-09:Power On
AM-11-20-14:Power Off
Date : 2010-01-18
AM-11-20-21:Power On

AM-11-37-36:Data Delete
AM-11-38-20:Start Video Decoding
AM-11-38-27:Stop Video Decoding
AM-11-39-12:Power Off
Date : 2010-01-18

Introduction to all Setting Functions

37. Save All Log File > save all log files

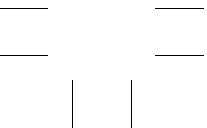
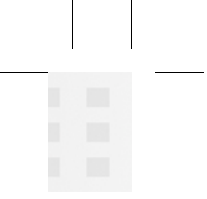
Tap on the screen Main Menu > Setting > Save All Log File to stored all recorded log files in the designated directory. Log file is a text file recording all operations done on the equipment. Tap  or  move next page menu. Tap  to return to previous menu page.



38. Device information > show device information of current equipment


Tap on the screen Main Menu > Setting > Device Information to show device information of current operating equipment. Tap  or  move next page menu. Tap  to return to previous menu page. Tap anywhere to exit current display.





Video Playback

Operations in Main Menu

- Tap VIDEO in the Main Menu to access most recent recorded video files.
- Tap on any listed file to playback video on the screen display. Tap on icon  to start vide playback.





(1)



(2)









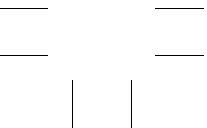
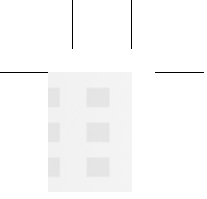
(3)

Tap  button to return file list. Tap  button again to enter the upper level of My Record folder directory.



Fast Forward

- **Double Speed Playback:** Tap  during video playback, the video file is played with a speed twice faster. Tap  to return to the normal speed playback.
- **Quadruple Speed Playback:** Tap  twice during video playback, the video file is played with a speed four times faster. Tap  to return to the normal speed playback.
- **Octuple Speed Playback:** Tap  three times during video playback, the video file is played with a speed eight times faster. Tap  to return to the normal speed playback.








Video Playback






Slow Motion




- **Half Speed :**

Tap  to pause video playback. Tap  after video playback is paused. The video file is played in half speed slow motion. Tap  to return to the normal speed playback.

- **Quarter Speed :**



Tap  to pause video playback. Tap  twice after video playback is paused. The video file is played in quarter speed slow motion. Tap  to return to the normal speed playback.

- **One Eighth Speed :**



Tap  to pause video playback. Tap  three times after video playback is paused. The video file is played in one-eighth speed slow motion. Tap  to return to the normal speed playback.

Reverse Playback

- **Double Speed Reverse :**

Tap  during video playback. The video file is played in speed twice faster in reverse. Tap  to return to the normal playback speed.

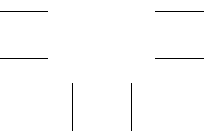
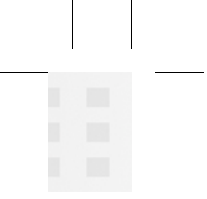
- **Quadruple Speed Reverse :**



Tap  twice during video playback. The video file is played in speed four times faster in reverse. Tap  to return to the normal playback speed.

- **Octuple Speed Reverse :**

Tap  three times during video playback. The video file is played in speed eight






Tap  three times during video playback. The video file is played in speed eight times faster. Tap  to return to the normal playback speed.

Video Playback




Pause >

Tap  to pause the video. Tap  once again to return to video playback.




Stop >

Tap  to stop video playing and return to file list.




Snapshot in Preview >

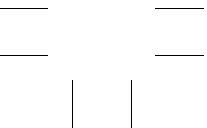
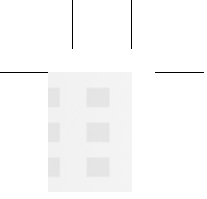
Tap Main Menu > Record > Preview. Tap icon  on the screen to capture images in preview. The captured pictures is stored in the Main Menu > Images folder.




Snapshot in Record >

Tap Main Menu > Record > Preview / Pre-event / Motion Detect > REC. Tap icon  on the screen to capture images in record. The captured picture is stored in the Main Menu > Images folder.


 **Notice:** It is unable to capture any image by using IR remote control.



Video Editing

Settings in Video Playback > Tap  button, the video is paused, and the setting items appear :



- Video Playback (All / Single / No)
- Display (LCD / TV / Both)
- Tap  to return to video playback.

Settings in File List > Tap  button, the setting items appear:



- Video Playback (All / Single / No)
- Video Thumbnail (Off / On)
- Delete (One / All)
- Deletion Lock (Off / On)
- File Information

Settings in the upper file directory > Tap  button, the setting items appear :



- Video Playback (All / Single / No)
- Video Thumbnail (Off / On)
- Delete Directory

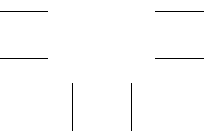
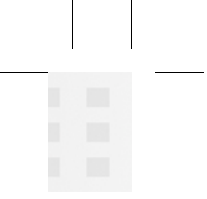





Photo Browsing

Operations in Main Menu

Tap icon IMAGE to select most recent captured image files. Files can be browsed after tapping the file. Tap icon **ESC** to the upper listed files in folder sorted with date. Tap icon **ESC** once more to return to the upper level of MyRecord folder directory.



Start slideshow

In file list or browsing images, tap icon  to show the setting items. Tap on Start Slideshow to start the photo slide show. Tap  or  to move to different menu pages and edit slide show setting; time and period.



Tap anywhere on **touch screen** to stop slide show.

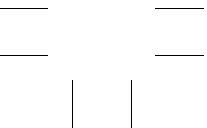
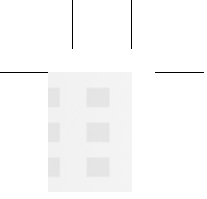


Photo Edit Mode

Settings in File List Directory > Tap  icon , the setting items appear:



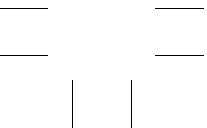
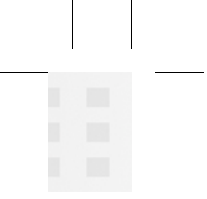
- Start Slideshow
- Image Thumbnail (On / Off)
- Delete (On / Off)
- Deletion Lock (On / Off)
- Playback Slideshow (One / All)
- Slideshow Time (3 sec / 5 sec / 7 sec / 10 sec)
- File Information

Settings when Browsing Photos > Tap  icon ,, the setting items appear:




- Start Slideshow
- Playback Slideshow (All / No)
- Slideshow Duration (3 sec / 5 sec / 7 sec / 10 sec)
- Display (LCD/TV/Both)
- File Information (Tap it to read file information. Tap anywhere to return to previous display.)

Switch the REC/STOP toggle to STOP position to return to the upper level of file directory.



Switch the REC/STOP toggle to STOP position to return to the upper level of file directory.

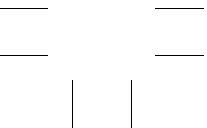
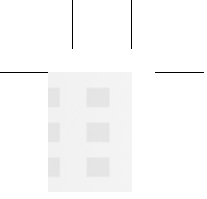
Photo Edit Mode

Settings in File List > Tap  icon, the setting items appear:



- Start Slideshow
- Image Thumbnail (Off / On)
- Playback Slideshow (All / No)
- Slideshow Duration (3 sec/ 5 sec/ 7 sec/10 sec)
- Delete Directory (Tap OK to delete all images in the current folder directory)

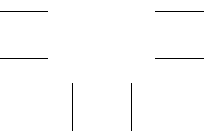
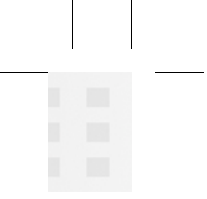




Supported Image File Format

Supported Image File Format

	Baseline
JPG	Lower than 4032 X 4032



Record

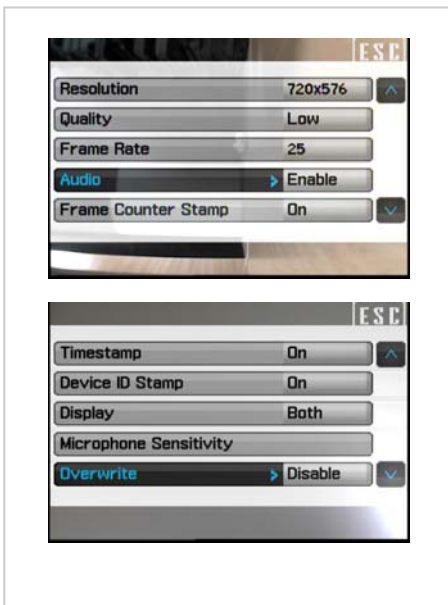
Connect an external camera and tap Record. Then press any listed three recording mode to enter recording page.



Preview

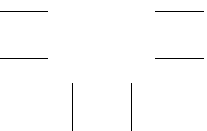
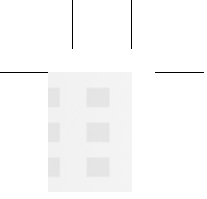
Before connecting an external camera, there is no signal on the screen. After connection established, captured images show up on screen and standby to record.

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



In Preview mode, Tap  icon, the setting items appear:



- Resolution (352X288 / 640X480 / 720X576 / 1024X768 / 1280X720 / 1280X960)
- Quality (High/Normal/Low)
- Frame Rate(1 / 5 / 15 / 20 / 25)
- Audio (Disable / Enable)
- Frame Counter Stamp (On /Off)
- Timestamp (On /Off)
- Device ID Stamp (On / Off)
- Display (LCD / TV/ Both)
- Microphone Sensitivity (**VOL-** / **VOL+**)
- Overwrite (Disable / Enable)




Record

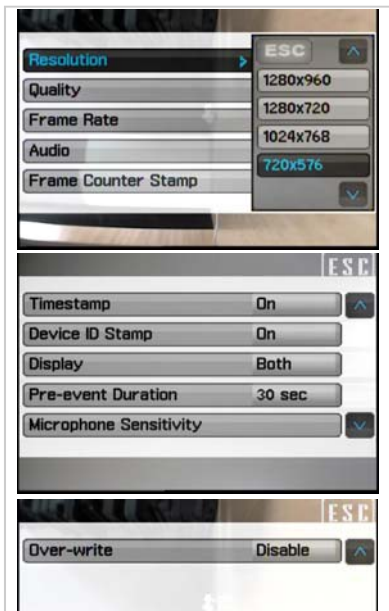
Pre-Event



Tap Record (in Main Menu) > Pre-event

Tap  or  in the remote controller to start Recording.

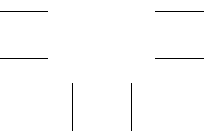
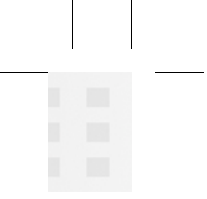


In Pre-event, tap icon  , the setting items appear:



- Resolution (352X288 / 640X480 / 720X576 / 1024X768 / 1280X720 / 1280X960)
- Quality (High/Norma/ Low)
- Frame Rate (1 / 5 / 15 / 20 / 25)
- Audio (Disable / Enable)
- Frame Counter Stamp (Off / On)
- Timestamp (Off / On)
- Device ID Stamp (Off / On)
- Display (LCD / TV / Both)
- Pre-event Duration (15 sec / 30 sec)
- Microphone Sensitivity ( / )
- Overwrite (Disable / Enable)

 **Notice:** In Pre-event, the video image is automatically recorded into Video folder without pressing REC button.



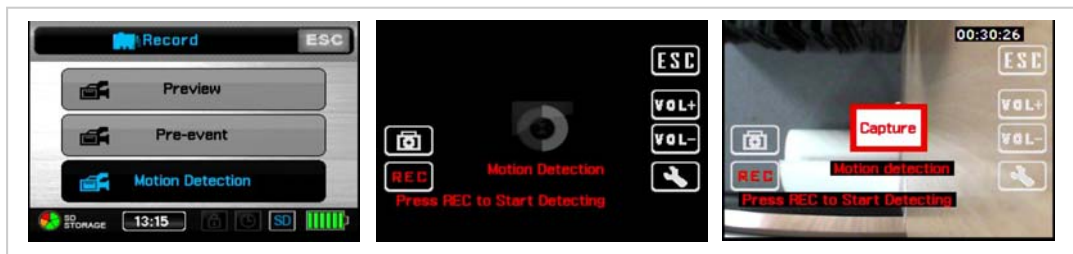
 **Notice:** In Pre-event, the video image is automatically recorded into Video folder without pressing REC button.

Record

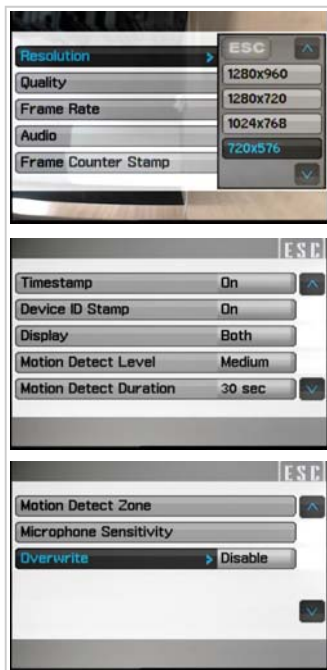
Motion Detect

Tap Record (in Main Menu) > Motion Detect

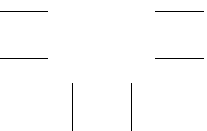
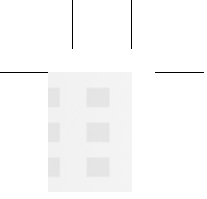
Tap **REC** or **REC** in the remote controller to start Recording. If the recording environment is still, recording will stop and show **Detecting....** at the bottom of screen until motion is detected in the environment. Recording will then start again and recording pattern repeats.



In Motion Detect, tap icon  , the setting items appear:



- Resolution (352X288 / 640X480 / 720X576 / 1024X768 / 1280X720 / 1280X960)
- Quality (High/Norma/ Low)
- Frame Rate (1 / 5 / 15 / 20 / 25)
- Audio (Disable / Enable)
- Frame Counter Stamp (Off / On)
- Timestamp (Off / On)
- Device ID Stamp (Off / On)
- Display (LCD / TV / Both)
- Motion Detect Level (High / Medium / Low)
- Motion Detection Duration (30 sec / 1 min / 3 min / 5 min / 10min)
- Motion Detect Zone > Press the green grid to select the detecting area
- Microphone Sensitivity (**VOL-** / **VOL+**)







- Motion Detect Zone > Press the green grid to select the detecting area
- Microphone Sensitivity (**VOL-** / **VOL+**)
- Overwrite (Disable / Enable)

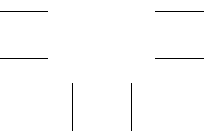
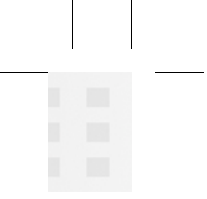
Record

Snapshot in Preview >

Tap Main Menu > Record > Preview. Tap icon  on the screen to capture images in preview. The captured pictures is stored in the Main Menu > Images folder.

Snapshot in Record >

Tap Main Menu > Record > Preview / Pre-event / Motion Detect > REC. Tap icon  on the screen to capture images in record. The captured picture is stored in the Main Menu > Images folder.



Remote Controller

Operating Remote Controller

To

Do this

Power Off

Press **Off** button to turn off the device.


Power On

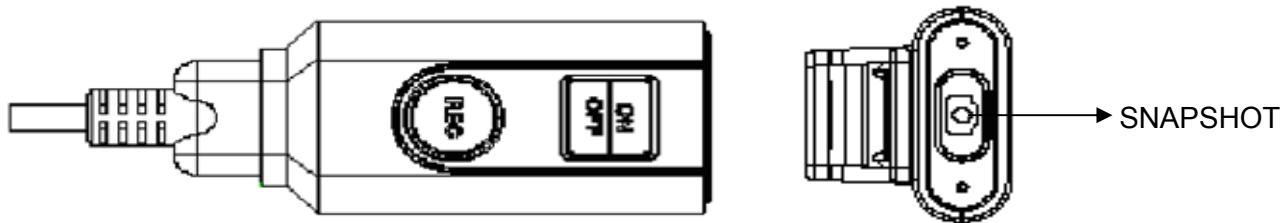
Press **On** button to turn on the device.

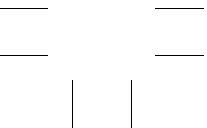
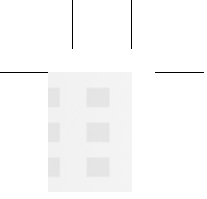
Record

Press REC button to start recording.

Snapshot


Press  button on top of the device to take snapshot during recording.





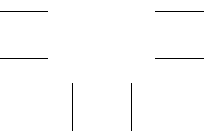
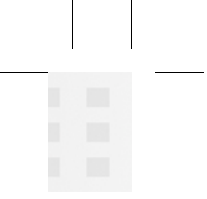
Supported Video File Format

File Format	Resolution	Bit Rate	Frame rate
	MAX 1280X960	MAX 10Mbps	MAX 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	

 **Notice:** ● : can be played on PV-500EVO.

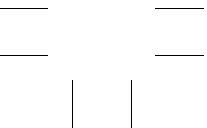
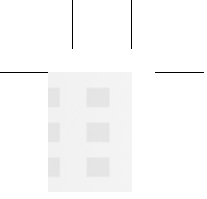
X : can not be played and file format cannot be converted.

Resolution setting: (352X288 / 640X480 / 720X576 / 1024X768 / 1280X720 / 1280X960)



Specifications

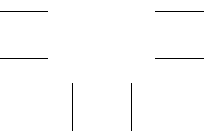
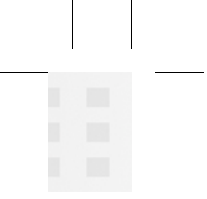
Timer	Time
Display	Resolution 320 x 240 (R.G.B) 2.36 inch TFT-LCD touch screen with LED backlight NTSC/PAL composite output NTSC/PAL composite output
AV IN/ OUT	AV input/output through two ϕ 3.5mm jack
CCD in / DC5V Out	CCD input /DC 5V output through 2.5mm jack
LED indication Light	LED 1 – charging (red) LED 2 – Power (green) LED 3 – Video recording (red)
Storage Device	SD card (support SDHC)
Computer connection	USB 2.0 mini connector
Power System	Rechargeable/ exchangeable Lithium ion Battery 3.7v 2200mAh Power supply 100-240 V, 50 ~ 60 Hz
Dimension/ Weight	80 X 21 X51mm 120g (battery included)
System Requirements	Operating System: Window2000, XP, Vista, 7 CPU: Intel Pentium III 800 MHz and above Relevant hardware accessories: USB port, Mouse, CD-ROM Window-compatible display with a required resolution of 1024 X 768



Important

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

- When the system controller is plugged into the PV-500EVO, only the “Hold” switch is working. The system controller becomes the main controller of the unit.
- All the recorded files are stored in the VIDEO and IMAGE folder; which are accessed from Main Menu.
- If the file is corrupted, it cannot be replayed. The system will return to File List mode.
- The PV-500EVO can store an unlimited number of files and folders. However, within a folder, it can store a maximum of 999 files.
- The supported video file is AVI. It does not support AC3, DTS, AAC etc.
- All data in the device may be deleted due to a heavy force impact, lightning, or overloaded power etc. Please note that warranty does not cover damages caused by the above mentioned conditions. We recommend that you constantly back-up data stored in the device.
- Please do not apply any heavy pressure on the PV-500EVO. This may damage the unit when any heavy pressure is applied.
- While plug the SD card if the card can not slide smoothly to the end, do not enforce to push it, which might damage the memory card & the unit.

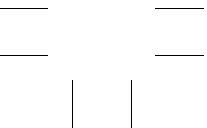
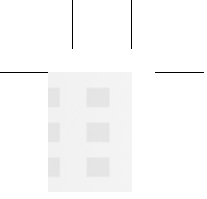


Important

- When take out the SD card, push the card in gently then pull. If the memory card is inserted in the wrong direction, the card cannot be pushed completely to the end of the slot. Please do not push too hard to avoid damages to the card and the device.
- Connect PV-500EVO with PC using USB cable to read, download and save the files directly to computer's hard disc.
- If you use the computer to reformat the storage device, please use FAT32 format.
- Please do not scratch the LCD with sharp 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 is dirt or stain on the display, you can clean it with soft cleansing liquid. Do not use volatile solution because it will cause chemical reactions. Thus, device will be deformed or discolored.
- If the device is moved from cold to warm environment, temperature change will generate fog precipitate on LCD display . If this occurs, please turn off PV-500EVO and wait for one hour.

Do not store or operate PV-500EVO in any environment listed below:

- High humidity.
- Directly exposed to sunshine or extremely high/low temperature in a closed space.
- Close to environment surrounded with strong vibration or strong magnetic fields. e.g. close to automobiles, voltage transformers or magnets.

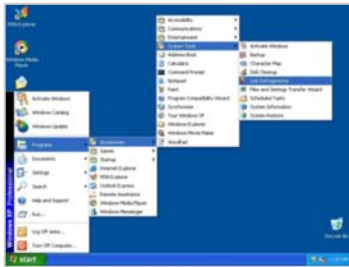


Important

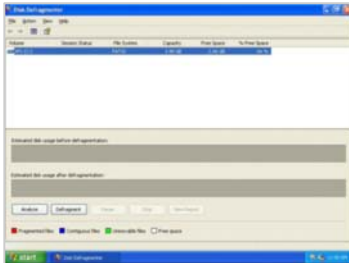
Defragment

Perform hard disc defragment every one to two months to ensure that device functions properly.

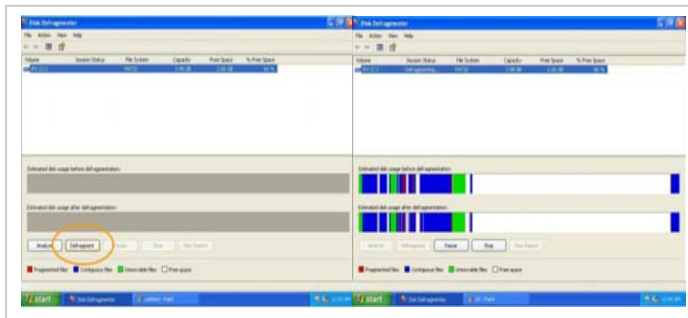
- **Step 01:** Connect PV-500EVO to PC connected with USB cable.
- **Step 02:** Click **Start > All Programs > Subsidiary Application Programs > System Tools > Defragment tool.**

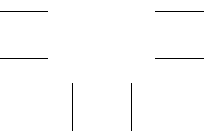
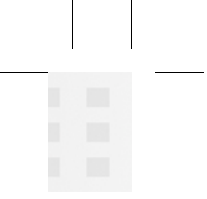


- **Step 03:** Select PV-500EVO hard disc device and start the defragment task.



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







NOTES



