

INSTRUCTIONS

- Use this camera in the following order

Set up the camera driver

Before connecting the USB cable to the PC and this camera, you have to set up the camera driver. Install the camera driver that is contained in the Application SW CD-ROM. (p.39)

Take a picture

Take a picture (p.29~100)

Insert USB cable

Insert supplied USB cable into PC USB port and the camera USB connection terminal.(p.50)

Check the camera power

Check the camera power. If the power is turned off, slide the camera switch to power it on..(p..38)

Check [Removable Disk]

Open Window's EXPLORER and search [Removable Disk](p.100)

Getting to know your camera

Thank you for buying a Samsung Digital Camera.

- Prior to using this camera, please read the user manual thoroughly.
- Keep the manual in a safe place.

READY

About the symbols

This manual contains instructions on using this camera that will help you to use this camera safely and correctly.

This will help prevent danger and injury to others.



DANGER

DANGER indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.



WARNING

WARNING indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.



CAUTION

CAUTION indicates a potentially hazardous situation, which, if not avoided, may result in a minor or moderate injury.



NOTICE

NOTICE indicates a factor, which, if not avoided, may result in camera malfunction or poor image quality.



INFORMATION

INFORMATION indicates a factor, which should assist further in the operation of the camera.

About the symbols

The camera mode icons will be marked on the right side of the title bar. The title is available only in the marked camera mode. Refer to below.

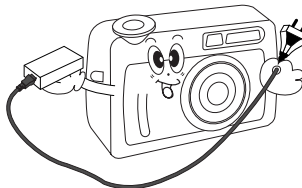
Icon	Mode dial	Camera working mode	Icon	Mode dial	Camera working mode
	EASY	Easy mode		PROG	Program mode
		Portrait mode			Night mode
	A/S/M	Aperture priority mode		A/S/M	Shutter priority mode
	A/S/M	Manual mode			Movie clip mode
	MySET	User set mode			Voice recording mode

	Play mode
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CAUTION

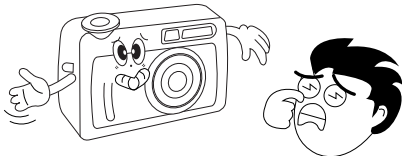
- Leaking, overheating, or burst batteries could result in fire or injury.
 - Use batteries with the correct specification for the camera.
 - Do not short circuit, heat or dispose of batteries in fire.
 - Do not use old batteries with new ones, or mix brands of batteries.
 - Ensure the batteries are positioned correctly with regard to polarity (+ / -).
- When the camera is not in use for long periods, always unplug the camera from its power source.
- Do not fire the flash while it is in contact with hands or objects. Do not touch the flash after using it continuously. It may cause burns.
- Do not move the camera while it is switched on, if you are using the AC Power Adapter. After use, always switch off the camera before unplugging the adapter from the AC Power wall socket. Then make sure that any connector cords or cables to other devices are disconnected before moving the camera. Failure to do so may damage the cords or cables and cause a fire or electric shock.



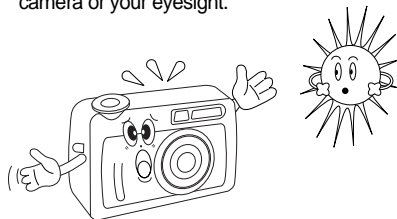


WARNING

- Do not use the flash in close proximity to people or animals. Positioning the flash too close to your subject's eyes, may cause eyesight damage.



- When taking photographs, never point the lens of the camera directly into very strong light. This may result in permanent damage to the camera or your eyesight.

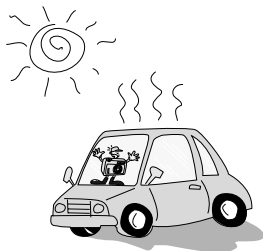


READY

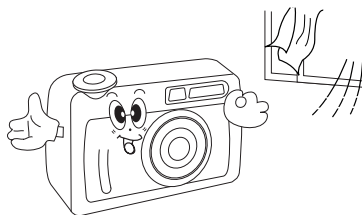
- For safety reasons keep this product and accessories out of reach of children or animals to prevent accidents e.g.:

- Swallowing batteries or small camera accessories. In case of accidents, please consult a doctor immediately.
- There is a risk of permanent eye damage if the flash is operated at a distance of less than one meter from a person's eyes.
- There is a possibility of injury from the camera's moving parts.

- Do not leave this camera in places subject to extremely high temperatures, such as a sealed vehicle, direct sunlight or other places of extreme variances in temperature. Exposure to extreme temperatures may adversely affect the camera's internal components and could cause a fire.



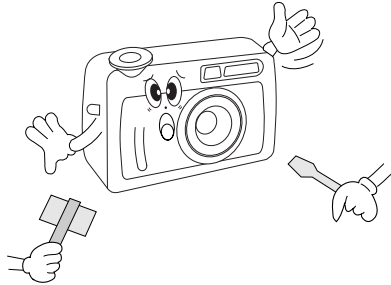
- When in use, do not cover the camera or AC Power Adapter. This may cause heat to build up and distort the camera body or cause a fire. Always use the camera and its accessories in a well-ventilated area.



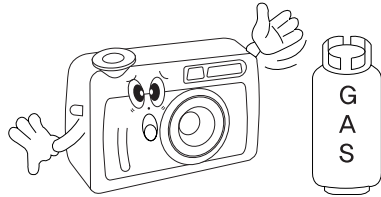


DANGER

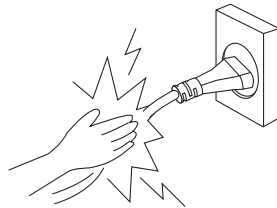
- Do not attempt to modify this camera in any way. This may result in fire, injury, electric shock or severe damage to you or your camera. Internal inspection, maintenance and repairs should be carried out by your dealer or Samsung Camera Service Center.



- Please do not use this product in close proximity to flammable or explosive gases, as this could increase the risk of explosion.



- Should any form of liquid or a foreign object enter the camera, do not use it. Switch off the camera, and then disconnect the power source (batteries or AC Power Adapter). You must contact your dealer or Samsung Camera Service Center. Do not continue to use the camera as this may cause a fire or electric shock.
- Do not insert or drop metallic or inflammable foreign objects into the camera through access points e.g. CARD slot and battery chamber. This may cause a fire or electric shock.
- Do not operate this camera with wet hands. This could pose a risk of electric shock.



SPECIAL FEATURES

This digital camera has the following features.

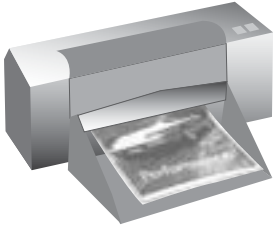
- A fine resolution of 4.0 mega pixels
- A 3X optical and 2 X digital zoom lens
- Schneider lens equipped
- 9 kinds of batteries can be used(First in the world)
- Super macro(6cm) function
- 3 kinds of MySET modes

An FCC warning

• This device has been tested in accordance with the limits of a class B digital device under item 15 of the FCC rules. These limits are designed to provide protection against harmful interference in commercial installation. This equipment generates, absorbs and can emit radio frequency energy. If it is not installed and used in accordance with the instructions, it may cause harmful interference to radio communication. There is however, no guarantee that interference will not occur in a some situations. Should any interference occur when this device is in operation, please try one or more of the following measures.

- Change the location and direction of any aerial.
 - Increase distance between camera and affected device.
 - Use a different socket away from the affected device.
 - Please contact a Samsung agent or a radio/TV engineer.
- This device complies with part 15 of the FCC Rules.

THIS DIGITAL CAMERA CAN BE USED FOR



Printing images using a dedicated printer, DPOF-compatible printer or DPOF-equipped lab.(p.74~p.76)



Viewing images on TV(p.86)



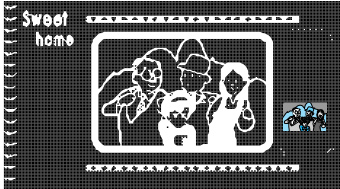
Down loading image files from camera to computer.(p.85~p.90)



Editing images on a PC.(p.81)

THIS DIGITAL CAMERA CAN BE USED FOR

READY



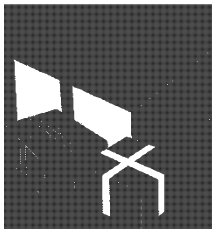
Creation of a digital photo album



Inserting images directly into any electronic document



Taking a self-portrait and using the image to personalize name cards



You can even create your own unique gift-wrap paper by using your digital images

Manufacturer's contents

Please check that you have the correct contents before using this product.

Digital camera



Pouch



AV/ USB cable



Camera strap



Applications S/W-
Driver CD-ROM



Adobe Element



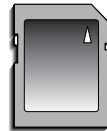
User manual



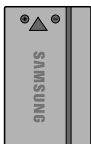
Product warranty



SD memory card



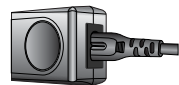
Rechargeable battery



AC Adapter

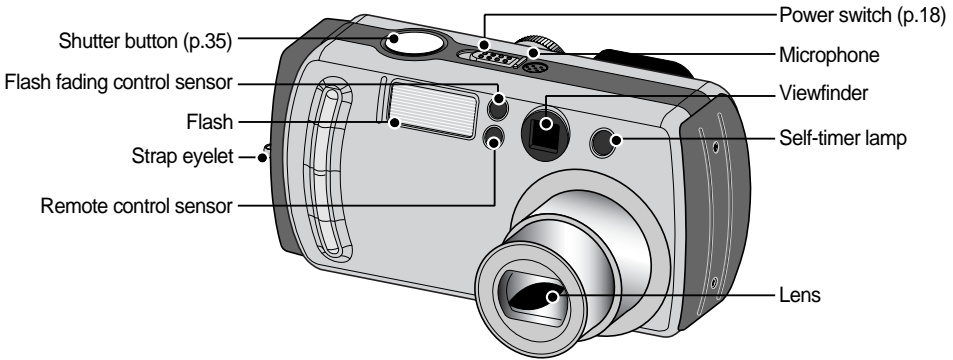


Battery charger &
Cigar jack for car

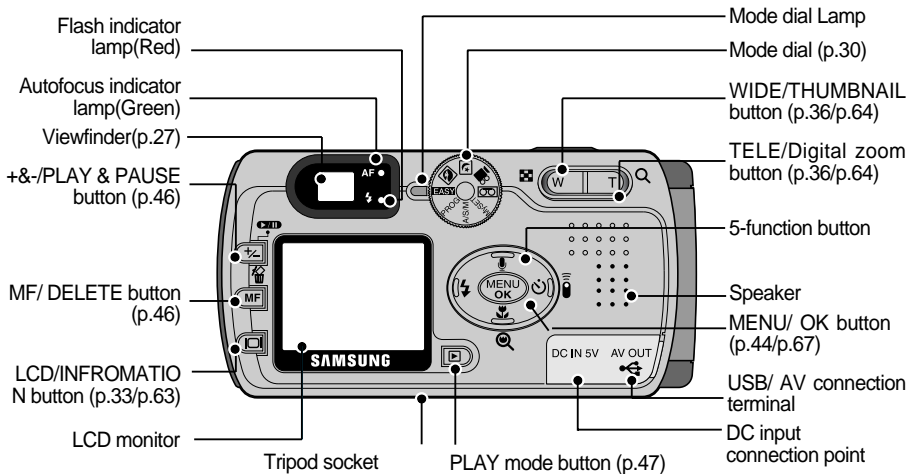


Identification of features

Front & Top

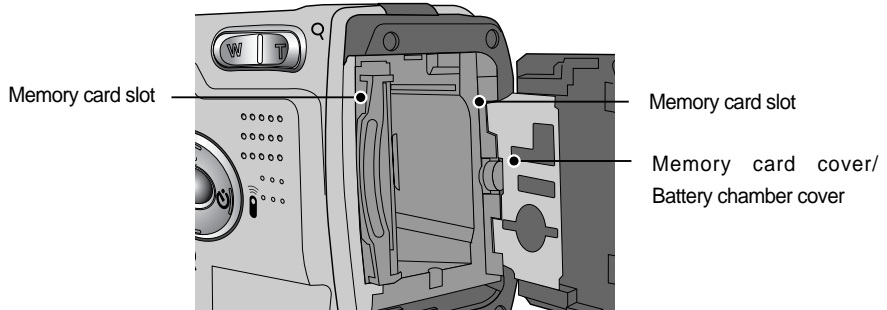


Back & Bottom

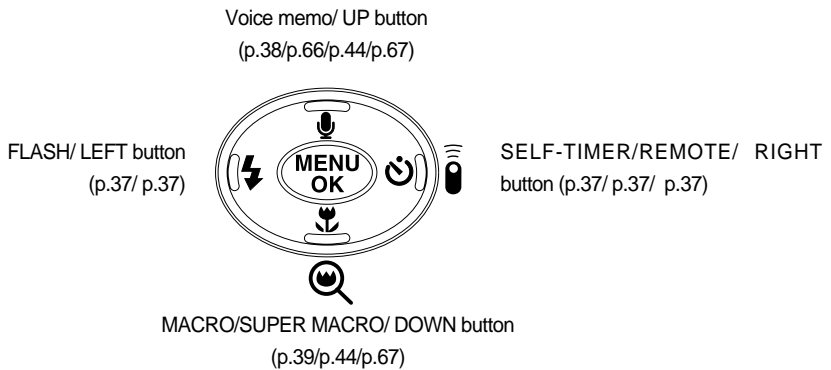


Identification of features

Side & Bottom



5-function button

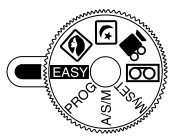


Mode dial

- You can select the desired working mode by using the mode dial located on the back of the camera.
- This digital camera has 8 working modes. These are listed below.

EASY

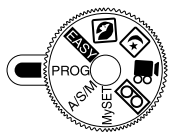
EASY



- Easy mode
To make camera operation easier, minimum camera settings need in this mode like image size. (for printing, memo and e-mail)

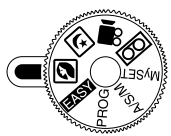
PROGRAM

PROG



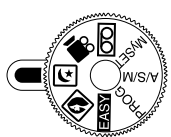
- Program mode
In program mode, you can take a properly exposed photograph. Moreover you can set camera setting except aperture and shutter speed.

PORTRAIT



- Portrait mode
This is used for only portrait or both portrait and landscape shots.

NIGHT

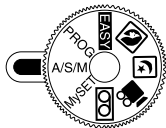


- Night mode
This mode is used at night or against a dark background.

Mode dial

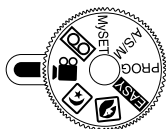
A/S/M

A/S/M



- Aperture priority / Shutter priority / Manual mode
Aperture and Shutter can be set manually in the A/ S/ M mode.

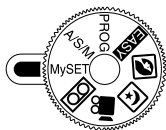
MOVIE CLIP



- Movie clip mode
A movie clip can be recorded as long as the available recording time allows.
Image size and type are listed below.
- Image size : QVGA (320 x 240)
- File type : *.AVI

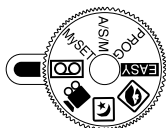
MySET

MySET



- User set mode
You can set your preferences and save them in this mode.
There are 3 kinds of user set mode.

VOICE RECORDING

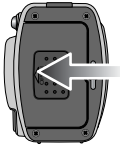


- Voice recording mode
You can record your voice in this mode

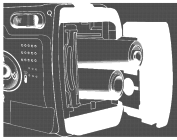
Connecting to Power

- There are two ways in which to provide the camera with power. You can use batteries (AA Alkaline, CR-V3, Ni-MH, Li-ion), or alternatively, you can use an AC(100 ~ 240V) Adapter (DC 5V 2.0A).

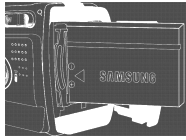
- Using the batteries



1. Open the battery chamber cover by pushing in the direction of the arrow.

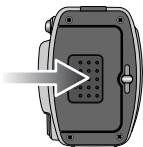


[Inserting the Alkaline baettery]



[Inserting the Li-ion baettery]

2. Insert the batteries taking note of the polarity (+ / -).



3. To close the battery chamber cover, push it until it clicks.

- Battery condition indicator. There are 3 indicators for battery condition that are displayed on the LCD monitor.



: The batteries are fully charged



: Prepare new batteries



: There is no battery capacity. Replace with new batteries

Connecting to Power



INFORMATION

- ▶ This camera will automatically switch off when not in use for a period of time. Refer to [POWER OFF] function(p.37).

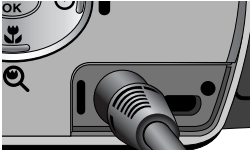


NOTICE

- ▶ Important information about battery usage
 - Please remove the batteries if the camera will not be used for long periods. Batteries can lose power over time and are prone to leaking if kept inside the camera.
 - We recommend high capacity ALKALINE batteries as manganese batteries cannot deliver sufficient power.
 - Low temperatures (below 0°C) can affect the performance of the batteries and you may experience reduced battery life.
 - Batteries will normally recover at normal temperatures.
 - Do not use old and new batteries at the same time.
 - During extended use of the camera, the camera body may become warm. This is perfectly normal.
 - If you are planning to use this camera for long periods of time, it is advisable to use an AC adapter.

Connecting to Power

● Using the AC power adapter



If you have access to a mains supply, using an AC Adapter allows the camera to be used for long periods of time. Plug the adapter into the connection point (DC IN 5V) on the camera.

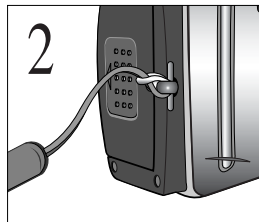
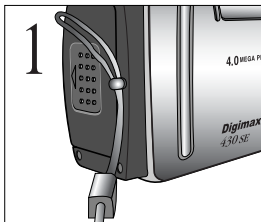


DANGER/NOTE

- ▶ Always turn off the power before taking the AC adapter out of the mains supply.
- ▶ As with all mains powered devices, safety is important. Ensure that neither the camera nor adapter comes into contact with water or metallic materials.
- ▶ Please ensure that you use an AC adapter with the correct specification for the camera. Failure to do so may affect your warranty.

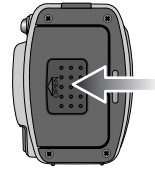
Attaching the strap

To prevent accidental damage to the camera, always use the strap. Refer to the illustrations below

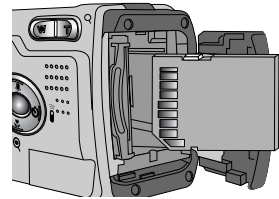


Inserting the memory card

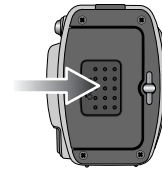
1. Turn off the camera power and pull the memory card cover in the direction of the arrow to open.



2. Insert the memory card all the way into the memory card slot. The Label stuck to the memory card and the front side of the camera should face in the same direction. The memory card pins and the LCD monitor should face in the same direction.



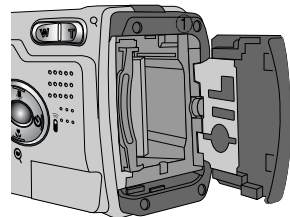
3. If the memory card does not fit, check that it is inserted correctly. Do not force the memory card.



Removing the memory card

1. Turn the power off using the power switch (1).Open the memory card cover and press the memory card as shown in the image and release.

2. Remove the memory card and close the memory card cover.



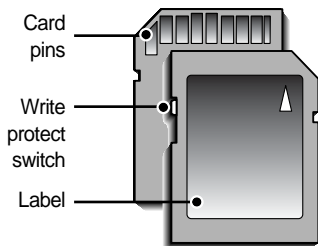
Instructions on how to use the memory card



NOTICE

- ▶ If you open the memory card cover when the camera power is turned on, the power will turn off automatically.
- ▶ Don't remove the memory card when the Autofocus indicator lamp (Green) is blinking as this may cause damaged data in the memory card.

- ▶ You can use SD memory card and Multi Media Card (MMC).



【SD (Secure Digital) memory card】

The SD memory card has a write protect switch that prevents image files from being deleted or formatted. By sliding the switch to the bottom of the SD memory card, the data will be protected. By sliding the switch to the top of the SD memory card, the data protection will be canceled. Check the switch position before taking an image.

- ▶ When using a 32MB SD memory card, the specified shooting capacity will be as follows. (These figures are intended as an indication of expected performance).

These figures are approximate as image capacities can be affected by variables such as memory performance and subject matter.

Recorded image size	T I F F	Super fine	Fine	Normal
2272X1704 (Large)	3	15	31	47
2272X1504 (Photo)	4	17	35	53
1120X840 (Medium)	16	64	129	194
544X408 (Small)	68	275	550	826

Instructions on how to use the memory card

■ Maintenance of the memory card

- Turn off the camera power whenever the memory card is being inserted or removed.
- Repeated use of the memory card will eventually reduce the memory card's performance. Should this be the case, you will need to purchase a new memory card.
- Wear and tear on the memory card is not covered by the Samsung warranty.
- The memory card is an electronic precision device. Do not bend, drop or subject the memory card to any heavy impact.
- Do not store the memory card in an environment with strong electronic or magnetic fields, e.g. near loud speakers or TV receivers.
- Please do not use or store in an environment where there are extremes in temperature.
- Do not allow the memory card to become dirty or to come into contact with any liquid. Should this happen, clean the memory card with a soft cloth.
- Please keep the memory card in its case when not in use.
- During and after periods of extended use, you may notice that the memory card is warm. This is perfectly normal.

■ Preserving the memory card data

- If the memory card is subjected to any of the following, the recorded data may become corrupted :
 - When the memory card is used incorrectly.
 - If the power is switched off or the memory card is removed while recording, deleting(formatting) or reading.
- Samsung cannot be held responsible for lost data.
- It is advisable to copy important data onto other media as back-up e.g. floppy disks, hard disks, CD etc.
- If there is insufficient memory available: If you press the shutter button for the shot, [MEMORY FULL!] message is displayed and the camera will not operate. To optimize the amount of memory in the camera, replace the memory card or delete unnecessary images stored on the memory.

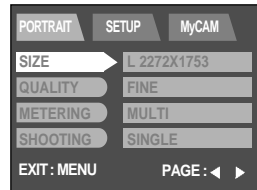
Selecting the date and time

- You can record the date and time with the image data in the memory card.

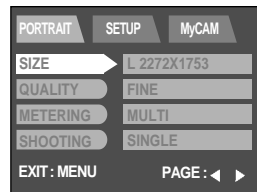
1. Turn on the power and press the MENU(OK) button.

The recording mode menu will be displayed in the RECORDING mode, and the play mode menu will be displayed in the PLAY mode.(There is no associated menu in VOICE RECORDING mode.)

2. Select [SETUP] tab by pressing the RIGHT/button. Select [FORMAT] menu by pressing the DOWN/button. Press the DOWN/again and the next menu page will be displayed.Press the UP/or DOWN/button and select [DATE SET].



3. Shift the cursor to the [DATE SET] sub menu by pressing the RIGHT/button.



INFORMATION

- ▶ Date setting range : 2003/01/01 ~ 2050.12.31 (Leap years and months are corrected automatically)
- ▶ The default is 2003/01/01.

Selecting the date and time

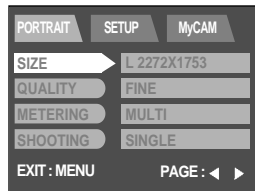
4. Select the correct date by pressing the 5-function button.
RIGHT/button : selects YEAR/ MONTH/ DAY item.
UP/or DOWN/button : changes the value of each item.



5. Press the MENU(OK) button to confirm the setting.
To return to the main menu or cancel the setting, press the LEFT/() button.



6. To select the correct time, select [TIME SETUP] at the step 2.
Press the MENU(OK) button again and the menu will be cancelled.



NOTICE

- ▶ If the batteries are removed, the date and time settings will remain for approximately 1 hour.
- ▶ If the batteries are removed for a period longer than 1 hour, it may be necessary to reset the date and time.

Language

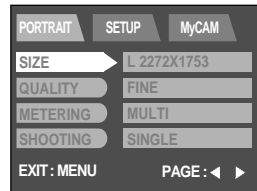
- There is a choice of languages that can be displayed on the LCD monitor.

1. Turn on the power and press the MENU(OK) button.

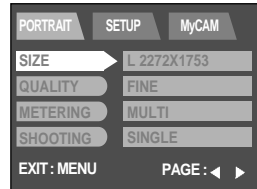
The recording mode menu will be displayed in the RECORDING mode, and the play mode menu will be displayed in the PLAY mode.(There is no associated menu in VOICE RECORDING mode.)

2. Select [SETUP] tab by pressing the RIGHT button.

Press the UP or DOWN button and select [LANGUAGE].



3. Shift the cursor to the [LANGUAGE] sub menu by pressing the RIGHT button and select language that you want by pressing the UP or DOWN/button.



4. Press the MENU(OK) button to confirm the setting.

To return to the main menu or cancel the setting, press the LEFT/FLASH button.

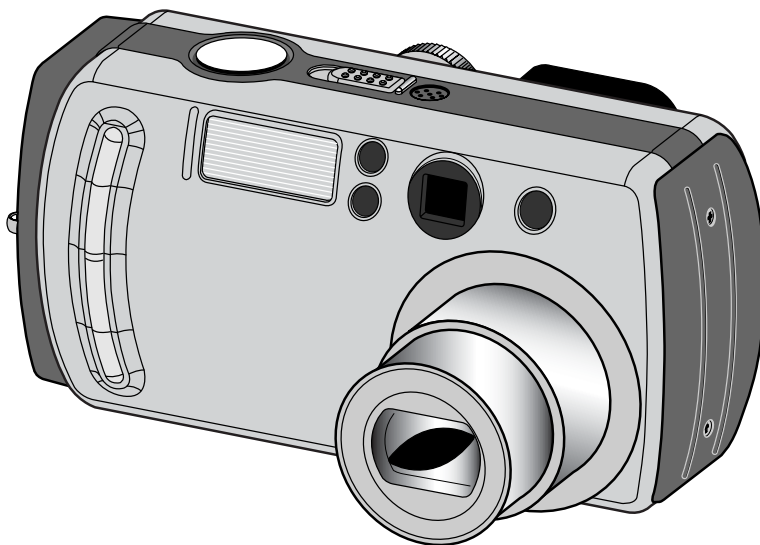
Press the MENU(OK) button again and the menu will be cancelled.



INFORMATION

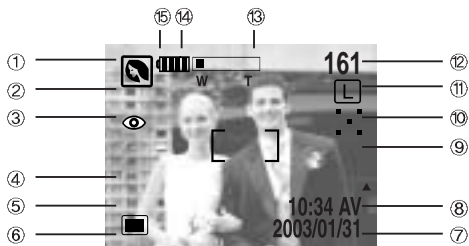
- ▶ The default language is KOREAN
- ▶ You can select 15 languages. Those are listed below.
English, Korean, Chinese1, Chinese2, Japanese, Russian, Germany, Spanish, French, Italian, Portuguese, Danish, Swedish, Finnish, Dutch.
- ▶ Even though the camera is restarted, the language setting is maintained.

Recording mode



LCD monitor indicator

- The LCD monitor displays information about the shooting conditions.



【Image & Full Status】

No.	Description	Icons	Page
1	Recording mode		p.30
2	Battery		p.18
3	Zoom / Digital Zoom		p.36
4	Number of available shots remaining Recording time(while recording a movie clip)	15 0:01:40 (hour : minute : second)	p.36
5	Image size / Continuous shot		p.49/p.54
6	Image quality	TIFF	p.50
7	Sharpness		p.58
8	White Balance	AUTO	p.56
9	Date / Time	12:00 pm /2003/01/01	p.
10	focus	MF	p.45
11	Exposure/ Aperture/ Shutter speed compensation		p.46
12	ISO	ISO	p.55
13	Metering		p.53
14	Macro/ Super macro		p.39
15	Voice memo		p.36
16	Self-timer/ remote		p.42
17	Flash		p.40
18	Camera shake warning		p.27

Starting Herecording mode

■ Recording a still image

1. Insert the batteries (p.26).

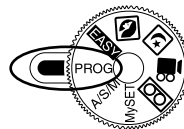
Insert the batteries taking note of the polarity (+ / -).

2. Insert the memory card (p.29).

3. Close the memory card cover.

4. Slide the power switch to turn on the camera.

5. Select the PROGRAM mode by rotating the mode dial.



【 Program mode 】

6. Point the camera towards the subject and compose the image by using either the viewfinder or LCD monitor.

7. Press the shutter button to capture an image.



[PROGRAM mode]



CAUTION

NOTICE

Blinking the autofocus indicator lamp means that the camera cannot focus on the subject. Should this be the case, the camera cannot make beautiful photography.



INFORMATION

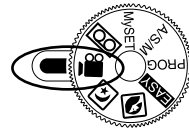
- ▶ There are two LED lamps (one green, one red) positioned next to the viewfinder.
 - If the camera is in focus when you press the shutter button halfway, the green LED will light up and you can take an image. If the camera can focus on the subject, the autofocus frame in the center of the LCD monitor will change from white to green.
 - If the red lamp lights up, the flash can fire.
 - If the red lamp blinks, the flash is being charged.
 - When an image is being stored onto the memory card, the green lamp blinks slowly. When the image data has been stored, the green LED light will go out. After the green LED light has gone out, you can resume taking images.

Starting Herecording mode

■ Recording a Movie clip

Steps from 1-4 are the same as those for recording a still image.

1. Select the MOVIE CLIP mode by rotating the mode dial.
2. Point the camera towards the subject and compose the image by using either the viewfinder or LCD monitor.
3. Press the shutter button to take a movie clip.
 - Press the shutter button once and movie clips are recorded for as long as the available recording time allows.
 - Movie clips will still be recorded if the shutter button is released.
 - If you wish to stop recording, press the shutter button again.
 - Image size and type are listed below.
 - Image size : QVGA (320°ø240)
 - File type : *.AVI



[Movie clip mode]

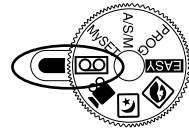


[Movie clip mode]

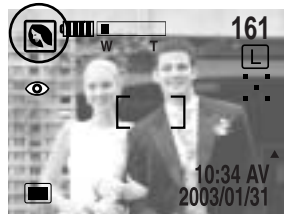
■ Recording a voice

Steps from 1-4 are the same as those for recording a still image.

1. Select the VOICE RECORDING mode by rotating the mode dial.
2. Press the shutter button to record a voice.
 - Press the shutter button once and a voice is recorded for as long as the available recording time allows. The recording time will be displayed on the LCD monitor.
 - Voice will still be recorded if the shutter button is released.
 - If you wish to stop recording, press the shutter button again.



[Sound clip mode]



[Sound clip mode]



INFORMATION


- Press the shutter button halfway and the buzzer sound will not be recorded.
- 40cm between you and the camera (microphone) is the best distance to record a sound.

Starting Herecording mode



NOTICE

- Camera shake warning.

When the Flash Off or Slow synchro mode is selected in a low lighting condition, the camera shake warning indicator () may appear on the LCD monitor. In this case, use a tripod, support the camera on a solid surface or change the flash mode to flash shot mode.

- Backlight compensated shot

When taking an outdoor shot, avoid facing the sun, as the image may be dark because of the strong backlight. In backlight conditions, please use the exposure compensation in the PROGRAM or A/S/M mode. (refer to page 50).

- Avoid obstructing the lens or the flash when you take an image.

- As there can be some differences between what is seen through the Viewfinder and the resulting image when taken at a range closer than 1.5m, it is recommended that you use the LCD monitor to compose the shot.

- Using the LCD monitor extensively will drain the batteries.

We recommend turning off the LCD monitor and using the optical viewfinder as often as possible in order to extend battery life.

- Under certain conditions the auto focus system may not perform as expected.

- When photographing a subject that has little contrast.

- If the subject is highly reflective or shiny.

- If the subject is moving at high speed.

- When there is strong reflected light, or when the background is very bright.

- When the subject matter has only horizontal lines or the subject is very narrow (such as a stick or flagpole).

- The subject is too dark.

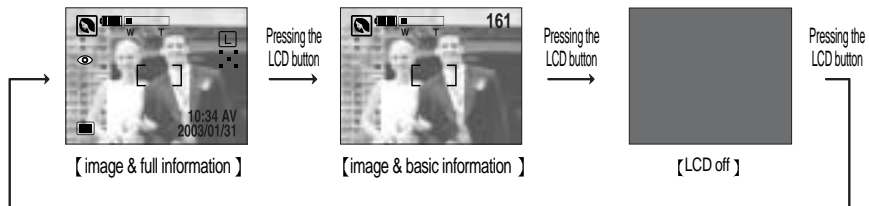
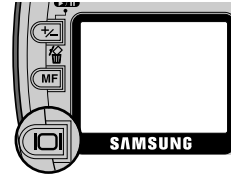
Using the camera button to adjust the camera

LCD button



- You can check the recording status in the LCD monitor.

Pressing the LCD button in the RECORDING (EASY, PROGRAM, PORTRAIT, NIGHT SCENE, A/S/M, MOVIE CLIP, USER SET) mode will change the display as shown below.



SHUTTER button



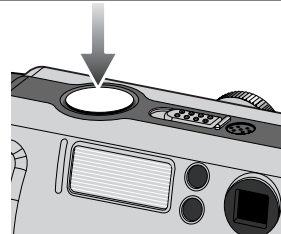
- Used for taking an image or recording a voice in the RECORDING (EASY, PROGRAM, PORTRAIT, NIGHT SCENE, A/S/M, MOVIE CLIP, USER SET, VOICE RECORDING) mode.

- In EASY, PROGRAM, PORTRAIT, NIGHT SCENE, A/S/M, USER SET mode

- Pressing the shutter button down halfway activates the autofocus and checks the condition of the flash.
- Pressing the shutter down fully takes the image and stores the relevant data regarding the shot.

- In MOVIE CLIP, VOICE RECORDING mode

- Pressing the shutter down fully takes the movie clip or records the voice. Press the shutter button once and the movie clip or the voice is recorded for as long as the available recording time allows. Movie clip or voice will still be recorded if the shutter button is released. If you wish to stop recording, press the shutter button again.



WIDE / TELE button



- Used for digital or optical zooming in / out.
- This camera has a 3X optical zoom and a 4 X digital zoom function. Using both will offer a total zoom ratio of 12 X.
- When you press the zoom (W/T) button, the zoom bar will display in the upper centre of the LCD monitor.

■ Zoom TELE

● Optical zoom TELE

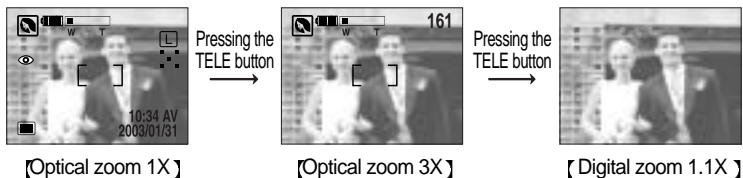
- Press zoom button T.

This will zoom into the subject i.e. the subject will appear nearer.

● Digital zoom TELE

When the maximum (3 X) optical zoom is selected, pressing the zoom button T activates the digital zoom software. Releasing zoom button T stops the digital zooming at the required setting.

Once the maximum digital zoom (2 X) is achieved, pressing the zoom button T will have no effect.



INFORMATION

- ▶ To use digital zoom the LCD monitor has to be turned on.
- ▶ Images taken using the digital zoom may take a little longer for the camera to process. Allow time for this to take place.
- ▶ The digital zoom cannot be used in continuous shots, AEB shots and movie clip shots.
- ▶ You may notice a decrease in image quality when using digital zoom.
- ▶ When the maximum (3 X) optical zoom is selected, pressing the zoom button T increases the digital zoom ratio by 0.1 steps.
- ▶ If the movie clip is being recorded, the zoom operation cannot be activated.

WIDE / TELE button



READY

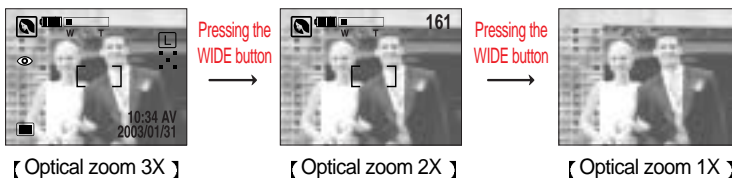
■ Zoom WIDE

● Optical zoom WIDE

- Press zoom button W.

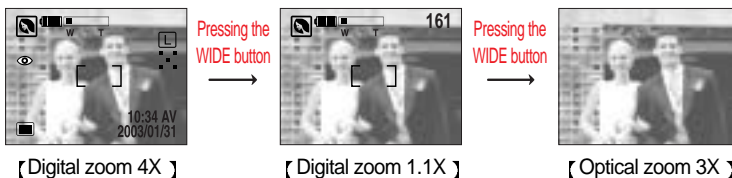
This will zoom out from the subject i.e. the subject will appear further away.

- Pressing the W button continuously will set the camera to its minimum zoom setting i.e. the subject appears at its furthest from the camera.



● Digital zoom WIDE

- When the digital zoom is in operation, pressing the zoom button W will reduce the digital zooming in steps.
- Releasing zoom button W stops the digital zooming.
- Pressing the W button will reduce the digital zoom and then it will proceed to reduce the optical zoom until the minimum setting is reached.



NOTICE

- ▶ Take care not to touch the lens to avoid taking a dim image and camera malfunction.
If the image is dim, turn the camera power off and turn on again to modify the lens position.
- ▶ Take care not to press the lens as this may cause camera malfunction.
- ▶ When the camera is turned on, take care not to touch the camera moving parts of lens as this may make the image be dim.
- ▶ Take care not to touch the lens during the zoom operation as this may cause damage.

UP/ Voice memo button



- When the menu is displayed on the LCD monitor, pressing the UP button makes the menu cursor move up or change the sub menu value.
- When the menu is not displayed on the LCD monitor, the UP button operates as the voice memo button. You can add your voice to a stored still image.
- Recording a voice memo
 1. Rotate the mode dial to the RECORDING(except MOVIE CLIP, VOICE RECORDING) mode.
 2. Press the VOICE MEMO button..
If the voice memo indicator is displayed on the LCD monitor, the setting is completed.
 3. Press the shutter button and take a picture.
The picture is stored on the memory card.
 4. Voice memo will be recorded for ten seconds from the moment the picture is stored.
In the middle of the sound recording, pressing the shutter button will stop the voice memo.



● Voice memo setting

Camera working mode	Setting
EASY	User can select the voice memo on / off.
PROGRAM	
PORTRAIT	
NIGHT SCENE	
A/ S/ M, USER SET	
MOVIE CLIP	User can select the sound recording on / off
VOICE RECORDING	N/A (Not Available)



INFORMATION

- ▶ 40cm between you and the camera (microphone) is the best distance to record a voice memo.
- ▶ The setting is not changed until the mode dial is rotated or the power is turned off.
- ▶ To cancel the voice memo recording, press the voice memo button again.

DOWN MACRO / SUPER MACRO button A S M My1

READY

- When the menu is displayed on the LCD monitor, pressing the DOWN button makes the menu cursor move down or changes the sub menu value.
- When the menu is not displayed on the LCD monitor, the button operates as the MACRO/ SUPER MACRO button. The photography range is 0.06m ~ 0.8m.
- Selecting the MACRO/ SUPER MACRO
 1. Rotate the mode dial to the RECORDING (except MOVIE CLIP, VOICE RECORDING) mode.
 2. Press the MACRO button. The macro indicator will be displayed on the LCD monitor.
Press the MACRO button until the desired FLASH mode indicator displays on the LCD monitor.





[Selecting the macro mode]



[Selecting the super macro mode]

3. Take a picture with the desired macro mode.

● Macro mode type

Icon	Macro mode	Definition
	MACRO	Used for macro shots (0.3 m ~ 0.8m).
	SUPER MACRO	Used for macro shots (0.06m ~ 0.3m).



NOTICE

- ▶ The super macro can be activated only in wide zoom mode.
- ▶ You cannot use the zoom(wide/tele) button in the super macro mode

MACRO() / SUPER MACRO button



● Macro mode setting

Camera working mode	Setting (<input type="checkbox"/> marked camera working mode is the default setting.)
EASY	Normal → Macro → Super macro
PROGRAM	
PORTRAIT	Normal (Fixed)
NIGHT SCENE	Normal (Fixed)
A/ S/ M, USER SET	Normal → Macro → Super macro
MOVIE CLIP	Normal → Macro
VOICE RECORDING	N/A (Not Available)



INFORMATION

- ▶ When the macro or super macro mode is selected, It is easy to happen the camera shaking.
In this case, use a tripod to prevent from the camera shaking.
- ▶ When the super macro is selected, the flash mode is changed to Flash off automatically.

LEFT FLASH button



- When the menu is displayed on the LCD monitor, pressing the LEFT button makes the cursor shift to the main menu.
- When the menu is not displayed on the LCD monitor, the LEFT button operates as the FLASH() button.

● Selecting the flash mode

1. Rotate the mode dial to the RECORDING (except MOVIE CLIP, VOICE RECORDING) mode.
2. Press the FLASH() button until the desired FLASH mode indicator displays on the LCD monitor.
Use the correct flash to suit the environment.



【 Selecting the Auto flash 】

FLASH button



READY

● Flash mode indicator

Indicator	Flash mode	Indicator
	Definition	If the subject or background is dark, the camera flash will operate automatically.
	Red eye reduction	<p>If a subject or background is dark, the camera flash will work automatically and will reduce the red-eye effect by using the red-eye reduction function.</p>
	Fill in flash	<p>The flash fires regardless of available light. The intensity of the flash will be controlled, according to the prevailing conditions. The brighter the background or subject is, the less intense the flash will be.</p>
	Slow synchro	<p>The flash will operate in conjunction with a slow shutter speed in order to obtain the correct exposure. We recommend using a tripod. When you take an image in a low light condition, the camera shake warning indicator () will display on the LCD monitor.</p>
	Flash off	<p>The flash does not fire. Select this mode when capturing images at a place where the flash photography is prohibited. When you take an image in a low light condition, the camera shake warning indicator () will display on the LCD monitor.</p>

INFORMATION

- ▶ Using the flash frequently will reduce the life of the batteries.
- ▶ Under normal operating conditions the charging time for the flash is normally within 10 seconds.

If the batteries are weak, the charging time will be longer.

- ▶ In the super macro mode, continuous shot, AEB mode, you cannot use the flash.

FLASH button



● Flash mode setting

Camera working mode	Setting (<input type="checkbox"/> marked camera working mode is the default setting.)
EASY	<input type="checkbox"/> Red eye reduction → Off
PROGRAM	<input type="checkbox"/> Auto → Red eye reduction → Fill in → Slow synchro → Off
PORTRAIT	<input type="checkbox"/> Red eye reduction → Fill in → Off
NIGHT SCENE	<input type="checkbox"/> Slow synchro → Off
A/ S/ M, USER SET	<input type="checkbox"/> Off → Fill in → Slow synchro
MOVIE CLIP	<input type="checkbox"/> Flash off (Fixed)
VOICE RECORDING	Not Available



NOTICE

- ▶ Take photographs within the flash range.
- ▶ The flash ranges are listed below

ISO		Auto	100	200	400
Normal focus	WIDE				
	TELE				
MACRO	WIDE	?			
	TELE				

- ▶ The image quality is not guaranteed if the subject is too close or highly reflective.
- ▶ The LCD monitor is turned off for a while after using the flash to recharge it.

SELF-TIMER/ REMOTE button A S M My1

READY

- When the menu is displayed on the LCD monitor, pressing the RIGHT button makes the cursor shift to the sub menu.
- When the menu is not displayed on the LCD monitor, the RIGHT button operates as the SELF-TIMER() / REMOTE() button.
- Selecting the self-timer
 1. Rotate the mode dial to the RECORDING (except MOVIE CLIP, VOICE RECORDING) mode.
The remote button activates only in the MOVIE CLIP mode.
 2. Press the SELF-TIMER button until the desired mode indicator displays on the LCD monitor.






[Selecting the self-timer mode]



[Selecting the remote mode]

- Selecting the self-timer mode : Pressing the shutter button will allow an interval of ten seconds before the image is taken. After that, the self-timer is cancelled.
- Selecting the remote mode : The remote control sensor will blink at 2 seconds intervals. Pressing the shutter button in the remote controller will allow an interval of 2 seconds before the image is taken. In the remote mode, you cannot use the shutter button.

● Self-timer/ remote mode definition

Indicator	Mode	Definition
	2s	Pressing the shutter button will allow an interval of 2 seconds before the image is taken.
	10s	Pressing the shutter button will allow an interval of 10 seconds before the image is taken.
	Remote mode	You can take a picture with the remote controller.

SELF-TIMER/ REMOTE button A S M My1

● Self-timer/ remote mode setting

Camera working mode	Setting (<input type="checkbox"/> marked camera working mode is the default setting.)
EASY	<input type="checkbox"/> → 10s self-timer → Remote
PROGRAM	<input type="checkbox"/> → 2s self-timer → 10s self-timer → Remote
PORTRAIT	
NIGHT SCENE	
A/ S/ M, USER SET	
MOVIE CLIP	<input type="checkbox"/> → Remote
VOICE RECORDING	N/A (Not Available)



INFORMATION

▶ Self-timer lamp

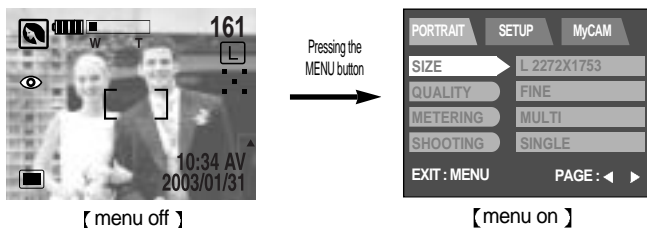
- In 10s self-timer : For the first seven seconds, the LED blinks at one second intervals.
For the final three seconds, the LED blinks quickly at 0.5-second intervals.
- In 2s self-timer : For the first seven seconds, the LED blinks at 2second intervals.

- ▶ If you operate the Power switch, Mode dial, and Self-timer button during the self-timer operation, the self-timer function is cancelled.
- ▶ Use a tripod to prevent from the camera shaking..

MENU/ OK button

■ MENU button

- When you press the MENU button, a menu related to each camera mode will be displayed on the LCD monitor. Pressing it again will return the LCD to the initial display.
 - A menu option can be displayed when the following are selected : EASY, PROGRAM, PORTRAIT, NIGHT SCENE, A/S/M, MOVIE CLIP and USER SET.
- There is no menu available when the VOICE RECORDING mode is selected.



[menu off]

[menu on]

■ OK button

- When the menu is displayed on the LCD monitor, this button is used for shifting the cursor to the sub menu or confirming data.



INFORMATION

- ▶ The menu will not be displayed on the LCD monitor in the following circumstances:
 - When another button is being operated.
 - While image data is being processed.(when the green LED next to the viewfinder blinks)
 - When there is no battery capacity.

- ▶ When the menu is showing on the LCD monitor, it is not possible to operate the shutter button i.e. take an image. To take an image, simply cancel the menu display by pressing the MENU button.

MF button



- In dark conditions, the autofocus may not function. If this occurs, press the MF button and you can select manual focus.
- After changing the focus manually, the image can be dim. Take care to use this function.

While pressing the MF button, the MF bar will be displayed on the LCD monitor.



[Pressing the MF button]

While pressing the MF button, select desired focus value by pressing the UP/ DOWN button and take a picture.

- Pressing the UP button : focus into the long range.
zoom

- Pressing the DOWN button : focus into a close range.

Release the MF button and the MF bar will disappear. If you change the focus value, the MF indicator will be displayed at the bottom of the LCD monitor.



[After changing the focus value]



INFORMATION

- ▶ If you didn't change the focus value while you pressing the MF button, the auto focus is activated.
- ▶ You can't use the manual focus function in the EASY and VOICE RECORDING mode.
- ▶ The MF bar is divided into 3 parts according to the photography range.

Part of the MF bar	Photography range
1st part	0.8m ~ infinity
2nd part	0.3m ~ 0.8m
3rd part (only in wide zoom mode)	0.06m ~ 0.3m

+/- button



READY

- This camera automatically adjusts the exposure according to the ambient lighting conditions. However, you can select the exposure value by using this button.
- You can select the shutter speed and aperture value in the A/S/M mode

- In the PROGRAM, PORTRAIT, USER SE, A/S/M mode
 - While pressing the +/- button, select the desired exposure value by pressing the LEFT/ RIGHT button.



[RECORDING mode]

- Aperture priority mode(A)
 - While pressing the +/- button, select the desired aperture value by pressing the UP/ DOWN button.
 - While pressing the +/- button, select the desired exposure value by pressing the LEFT/ RIGHT button.



[Aperture priority mode]

- Shutter priority mode(S)
 - While pressing the +/- button, select the desired shutter speed by pressing the UP/ DOWN button.
 - While pressing the +/- button, select the desired exposure value by pressing the LEFT/ RIGHT button..



[Shutter priority mode]

+/- button



● Manual mode (M)

- While pressing the +/- button, select the desired shutter speed by pressing the UP/ DOWN button.
- While pressing the +/- button, select the desired aperture value by pressing the LEFT/ RIGHT button.

In the manual mode, the exposure value can't be compensated.

Refer to page xxx for information on selecting the aperture priority/ shutter priority/ manual mode.



[Manual mode]



INFORMATION

- ▶ If you change the exposure value, the expose indicator will be displayed on the bottom of the LCD monitor.
- ▶ When the camera is turned on again, the exposure compensation setting returns to 0.0EV (discarding the exposure compensation).
- ▶ Exposure compensation setting range : -2.0 ~ +2.0 EV (0.5 EV steps)
- ▶ If you increase the exposure value, the image will be brighter. If you decrease the exposure value, the image will be darker.
- ▶ The aperture value(Av) or shutter speed(Tv) can be selected according to the P/A/S/M mode in the USER SET mode.
- ▶ Decreasing or increasing the exposure value may lead to images being under or over exposed (too dark or too bright).

Using the LCD monitor to adjust the camera

● Using the LCD monitor to adjust the camera

- Recording functions can be changed by using the LCD monitor.
- In the RECORDING (EASY, PROGRAM, PORTRAIT, NIGHT SCENE, A/S/M, MOVIE CLIP, USER SET, VOICE RECORDING) mode, pressing the MENU button displays the menu on the LCD monitor.
- The following functions are available, depending on the mode you have selected.

Main menu	Sub menu	Secondary menu	Camera working mode
RESOLUTION	PRINT(2272 x 1504/SUPER FINE)		EASY
	MEMO(1120 x 840 /FINE)		PROGRAM, PORTRAIT, NIGHT SCENE, A/S/M, USER SET 1/2/3
	E-MAIL(544 x 408 /NORMAL)		
	[L] 2272 x 1704 (LARGE)		
	[P] 2272 x 1504 (PHOTO)		
	[M] 1120 x 840 (MEDIUM)		
	[S] 544x 408 (SMALL)		
QUALITY	TIFF		PROGRAM, PORTRAIT, NIGHT SCENE, A/S/M, USER SET 1/2/3
	SUPER FINE		
	FINE		
	NORMAL		
P/A/S/M	P/A/S/M		USER SET 1/2/3
A / S / M	APERTURE		A/S/M, USER SET 1 / 2 / 3
	SHUTTER PRIOR		
	MANUAL		
METERING	MULTI		PROGRAM, PORTRAIT, A/S/M, USER SET 1/2/3
	SPOT		
SHOOT MODE	SINGLE	# of prints ▲ ▼	EASY, PROGRAM, USER SET 1/2/3
	CONTINUOUS		
	AEB	±0.0 EV ▲ ▼	PROGRAM, A/S/M, USER SET 1/2/3
ISO	AUTO		PROGRAM, A/S/M, MOVIE CLIP
	100		
	200		
	400		

Using the LCD monitor to adjust the camera

Main menu	Sub menu	Secondary menu	Camera working mode
WHITE BAL	AUTO		PROGRAM, A/S/M, MOVIE CLIP, USER SET 1/2/3
	DAYLIGHT		
	CLOUDY		
	FLUOR.		
	TUNGSTEN		
EFFECT	NORMAL		PROGRAM, A/S/M, MOVIE CLIP, USER SET 1/2/3
	B & W		
	SRGB		
	SUNSET		
SHARP.	SOFT		PROGRAM, A/S/M, MOVIE CLIP, USER SET 1/2/3
	NORMAL		
	VIVID		

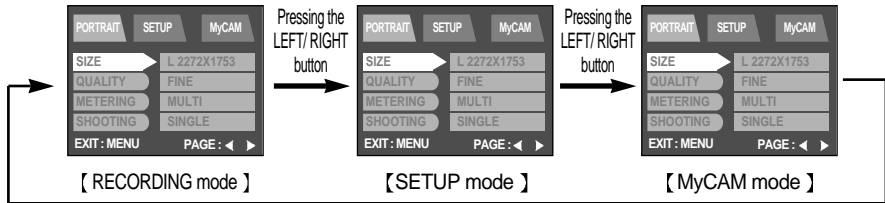


INFORMATION

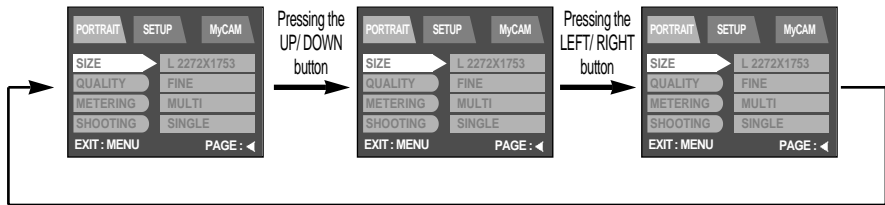
- ▶ The menu will not be displayed on the LCD monitor in the following circumstances:
 - When another button is being operated.
 - While image data is being processed. (when the green LED next to the viewfinder blinks)
 - When there is no battery capacity.
- ▶ When the menu is showing on the LCD monitor, it is not possible to operate the shutter button i.e. take an image. To take an image, simply cancel the menu display by pressing the MENU button.

How to use the menu

1. Turn the camera power on and press the menu button. There are 3 tabs related to each camera mode in the menu. There is no menu available when the VOICE RECORDING mode is selected.
2. Shift the tab cursor by pressing the LEFT/ RIGHT button.



3. Select a menu by pressing the UP/ DOWN button.



4. Shift the cursor to the sub menu by pressing the RIGHT button. To shift the cursor to the main menu, press the LEFT button.
5. Select the desired sub menu by pressing the UP/ DOWN button. If there is another menu under the sub menu, press the RIGHT or OK button and the cursor shifts to another sub menu.
To shift the cursor to the previous menu or cancel the menu setting, press the LEFT button.
6. Press the OK button to confirm the setting.
Press the menu button twice and the menu display will be disappeared.



- You can select the image size you require.

1. Rotate the mode dial to the RECORDING mode and press the MENU button.
2. Press the DOWN and the cursor will be shifted to the main menu.
3. Select [SIZE] menu by pressing the UP/DOWN button.
4. Press the RIGHT button and the cursor will shift to the [SIZE] sub menu.

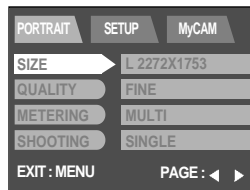
- EASY mode

Select the desired sub menu by pressing the UP/DOWN button.

- PRINT : taking a picture for printing(2272 X 1504/ Super fine)
- MEMO : taking a picture for web site image(1120 X 840/ Fine)
- E-MAIL : taking a picture for e-mail(544 X 408/ Normal)

- PROGRAM, PORTRAIT, NIGHT SCENE, A/S/M, MySET 1/ 2/ 3 mode. Select the desired sub menu by pressing the UP/DOWN button.

- 2272x1704(LARGE) :
- 2272x1504(PHOTO) :
- 1120x840(MEDIUM) :
- 544x408(SMALL) :



Press the OK button to confirm the setting.

Press the menu button twice and the menu display will be disappeared. Take a picture.



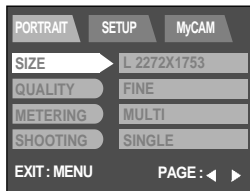
INFORMATION

- ▶ A large image uses more memory, so increasing the image size will reduce the total number of shots you can store in the memory.
- ▶ Even though the camera is restarted, the image size setting is maintained.

■ In RECORDING mode, you can select the image quality(Data compression rate).

1. Rotate the mode dial to the RECORDING mode and press the MENU button.
2. Press the DOWN and the cursor will be shifted to the main menu.
3. Select [QUALITY] menu by pressing the UP/DOWN button.
4. Press the RIGHT button and the cursor will shift to the [QUALITY] sub menu.

- TIFF : No indicator - FINE :
- SUPER FINE :
- NORMAL :



Press the OK button to confirm the setting.

Press the menu button twice and the menu display will be disappeared. Take a picture.



INFORMATION

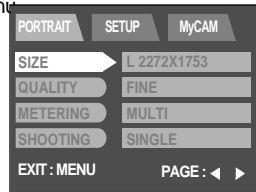
- ▶ The higher the QUALITY setting, the better the final image will be. However, the high quality setting will require more memory and therefore reduce the number of images you can store on the memory.
- ▶ SUPER FINE is the highest quality and NORMAL is the lowest setting. Choose the setting appropriate for your needs.
- ▶ The image file is stored in *.jpg (Default).But, if you select TIFF in the quality menu, the image file is stored in *.tif.
- ▶ TIFF format is an uncompressed image file format for an expert. If you take a picture with the TIFF file format, the number of available shot is decreased and the time for recording the image file will be longer because the TIFF file size is bigger than the JPG file format.
- ▶ When the TIFF file is being recorded to the memory card, [Please Wait] message will be displayed on the LCD monitor.
- ▶ This file format complies with DCF(Design rule for Camera File system).
- ▶ Even though the camera is restarted, the quality setting is maintained.
- ▶ Even though the camera is restarted, the quality setting is maintained.
- ▶ When using the 32MB SD memory card, the specified shooting capacity will be as follows. (These figures are intended as an indication of expected performance)

QUALITY \ IMAGE SIZE	L (Large)	P (Photo)	M (Medium)	S (Small)
TIFF (1:1)	3	4	16	68
Super fine (4:1)	15	17	64	275
Fine (8:1)	31	35	129	550
Normal (16:1)	47	53	194	826

■ In this mode you can select the shutter speed or aperture value as your preference.

1. Rotate the mode dial to the A/ S/ M mode and press the MENU button.
2. Press the DOWN and the cursor will be shifted to the main menu.
3. Select [A/S/M] menu by pressing the UP/DOWN button.
4. Press the RIGHT button and the cursor will shift to the [A/S/M] sub menu.

Select the desired sub menu by pressing the UP/DOWN button.



- Aperture priority (A) : You can select the aperture value in this mode. The camera calculates the best shutter speed automatically to make proper exposure value.
- Shutter priority (S) : You can select the shutter speed in this mode. The camera calculates the best aperture value automatically to make proper exposure value.
- Manual (M) : You can select the shutter speed and the aperture value in this mode.

Press the OK button to confirm the setting.

Press the menu button twice and the menu display will be disappeared. Take a picture.



INFORMATION

- ▶ After pressing the shutter button half way down, the values that were changed in the A/S/M mode will be applied to the picture.
- ▶ If the aperture value or shutter speed is out of the limit of application, the value that is displayed on the LCD monitor is turned to red. But you can take a picture.



It warns that : To be the proper exposure, the aperture value is smaller than F 2.8.

But the minimum aperture value that you can select is F 2.8.

● Aperture priority mode (A)

- The small aperture value is used for portraits to separate the subject from the background.

The large aperture value is used for landscape photographs to keep the foreground and background in focus.

- While pressing the +/- button, select the desired aperture value by pressing the UP/ DOWN button.
- To change the exposure value, press the LEFT/ RIGHT button with pressing the +/- button.
- Point the camera towards the subject and compose the image and take a picture.

● Shutter priority mode (S)

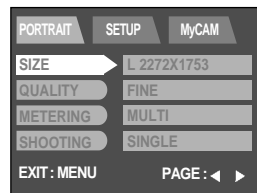
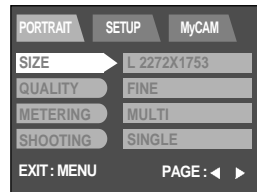
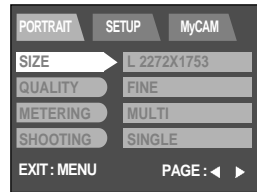
- Fast shutter speeds are used in sport photography to stop action.

Slow shutter speeds can be used to show the flow of motion such as water cascading over a waterfall.

- While pressing the +/- button, select the desired shutter speed by pressing the UP/ DOWN button.
- To change the exposure value, press the LEFT/ RIGHT button with pressing the +/- button.
- Point the camera towards the subject and compose the image and take a picture.

● Manual mode (M)

- You can select the shutter speed and the aperture value in this mode.
- While pressing the +/- button, select the desired shutter speed by pressing the UP/ DOWN button.
- While pressing the +/- button, select the desired aperture value by pressing the LEFT/ RIGHT button.
- Point the camera towards the subject and compose the image and take a picture.

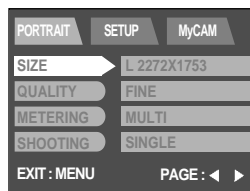


- When the camera cannot calculate a proper exposure, you can change the metering method.

1. Rotate the mode dial to the RECORDING mode and press the MENU button.
2. Press the DOWN and the cursor will be shifted to the main menu.
3. Select [METERING] menu by pressing the UP/DOWN button.
4. Press the RIGHT button and the cursor will shift to the [METERING] sub menu. Select the desired sub menu by pressing the UP/DOWN button.

- Multi pattern metering : Exposure will be calculated based on an average of the light available in the image area. However, the calculation will be biased towards the centre of the image area.

- Spot metering : Use this function when there is backlight or when photographing a subject that has little contrast. In backlighting conditions adjust the light metering to suit the subject matter.



Press the OK button to confirm the setting.

Press the menu button twice and the menu display will be disappeared. Take a picture.

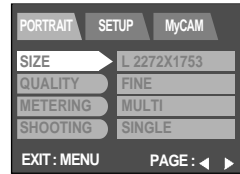


INFORMATION

- ▶ The default metering mode is Multi pattern metering.
- ▶ If the subject is not on the centre of the focus, do not use the spot metering as there may be exposure error. In this case, use the exposure compensation.
- ▶ Even though the camera is restarted, the metering setting is maintained.

- You can select the continuous shot or AEB shot in this menu.
- Shooting mode is not available in the A/S/M mode.

1. Rotate the mode dial to the RECORDING mode and press the MENU button.
2. Press the DOWN and the cursor will be shifted to the main menu.
3. Select [SHOOTING] menu by pressing the UP/DOWN button.
4. Press the RIGHT button and the cursor will shift to the [SHOOTING] sub menu.



Select the desired sub menu by pressing the UP/DOWN button.

- SINGLE : you can take only a picture at a time.
- CONTINUOUS : In this mode, you can take moving subjects continuously.
- AEB (Auto Exposure Bracket) : In this mode, you can take a 3-image bracket of a scene. There are over exposure image, normal exposure image and under exposure image in a bracket.

You can select the exposure bracket and the number of continuous shots in [SHOOTING] sub menu.

Press the OK button to confirm the setting.

Press the menu button twice and the menu display will be disappeared. Take a picture.



INFORMATION

- ▶ The flash mode is fixed to the flash off in the continuous shot and AEB shot. After completing the continuous or AEB shot, the shooting mode is changed to [SINGLE] automatically.
- ▶ Once a continuous sequence has begun, it will continue until the selected number of shots has been taken. Releasing the shutter button will not interrupt this function.
- ▶ The maximum number of shots in a sequence is governed by the image settings.
- ▶ Using a 32MB SD memory card, the specified shooting capacity will be as follows. (These figures are intended as an indication of expected performance)

Quality	Size	Large	Photo	Medium	Small
TIFF	(1:1)	N/A	N/A	N/A	N/A
Super fine	(4:1)	3	3	14	59
Fine	(8:1)	6	7	28	99
Normal	(16:1)	10	11	42	99



INFORMATION

- ▶ The continuous and AEB shot cannot be selected in the TIFF image quality.
- ▶ If the number of available shots remaining is under 2 pages, the continuous shot is not activated as the minimum number of the continuous shots are 2. In the AEB shot, the number of available shots remaining have to be over 3 page.
- ▶ It is easy to be the camera shaking in the AEB shot and it takes a lot of time to store the AEB image. We recommend using a tripod.
- ▶ Even though the camera is restarted, the language setting is maintained.

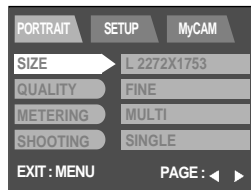
ISO



- You can select the camera's sensitivity to light by selecting the ISO sub menu.

The speed or specific light-sensitivity of a camera is rated by ISO numbers.

1. Rotate the mode dial to the RECORDING mode and press the MENU button.
2. Press the DOWN and the cursor will be shifted to the main menu.
3. Select [SHOOTING] menu by pressing the UP/DOWN button.
4. Press the DOWN button on the [SHOOTING] menu and the next menu page will be displayed.
5. Select [ISO] menu by pressing the UP/DOWN button.
6. Press the RIGHT button and the cursor will shift to the [ISO] sub menu. Select the desired sub menu by pressing the UP/DOWN button.
 - AUTO : The camera's sensitivity is automatically changed by variables such as lighting value or subject brightness.
 - 100/ 200/ 400 : In the same lighting condition, the higher ISO value is, the faster the shutter speed will be. However, the images can be saturated with the high brightness condition.



Press the OK button to confirm the setting.

Press the menu button twice and the menu display will be disappeared. Take a picture.



INFORMATION

- ▶ The higher the number, the more sensitive it is to light. As with film, the higher speeds usually induce more electronic noise so the image gets grainier.
- ▶ Even though the camera is restarted, the ISO setting is maintained.

WHITE BALANCE



■ The white balance control allows you to adjust the colors to appear more natural looking.

1. Rotate the mode dial to the RECORDING mode and press the MENU button.
2. Press the DOWN and the cursor will be shifted to the main menu.
3. Select [SHOOTING] menu by pressing the UP/DOWN button.
4. Press the DOWN button on the [SHOOTING] menu and the next menu page will be displayed.
5. Select [WHITE BALANCE] menu by pressing the UP/DOWN button.3. Select [WHITE BALANCE] menu by pressing the UP/DOWN button.
6. Press the RIGHT button and the cursor will shift to the [WHITE BALANCE] sub menu.

Select the desired sub menu by pressing the UP/DOWN button.

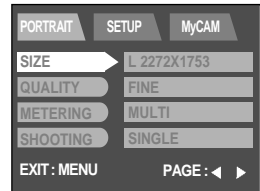
AUTO : The camera automatically selects the appropriate white balance settings, depending on the prevailing lighting conditions.

DAYLIGHT : For taking images outside.

CLOUDY : For taking images under a cloudy and overcast sky.

TUNGSTEN : For shooting under tungsten (standard light bulb) lighting.

FLUORESCENT : For shooting under fluorescent lighting.



Press the OK button to confirm the setting.

Press the menu button twice and the menu display will be disappeared. Take a picture.

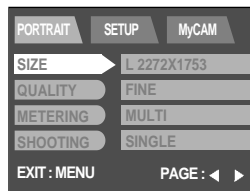


INFORMATION

- ▶ Different lighting conditions may cause a color cast on your images.
- ▶ Even though the camera is restarted, the white balance setting is maintained.

■ Using the camera's digital processor, it is possible to add special effects to your images.

1. Rotate the mode dial to the RECORDING mode and press the MENU button.
2. Press the DOWN and the cursor will be shifted to the main menu.
3. Select [EFFECT] menu by pressing the UP/DOWN button.
4. Press the DOWN button on the [SHOOTING] menu and the next menu page will be displayed.
5. Select [EFFECT] menu by pressing the UP/DOWN button.
6. Press the RIGHT button and the cursor will shift to the [EFFECT] sub menu.
7. Select the desired sub menu by pressing the UP/DOWN button.
 - NORMAL : No effect is added to the image.
 - B & W : Converts the image to black and white.
 - sRGB : sRGB is device independent standard color model. Devices supporting sRGB can display exact image color.
 - SUNSET : Used for sunset images.



Press the OK button to confirm the setting.

Press the menu button twice and the menu display will be disappeared. Take a picture.

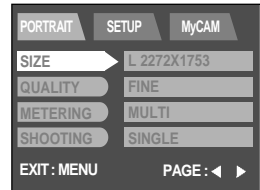


INFORMATION

- ▶ Even though the camera is restarted, the effect setting is maintained.

■ You can select the still image sharpness.

1. Rotate the mode dial to the RECORDING mode and press the MENU button.
2. Press the DOWN and the cursor will be shifted to the main menu.
3. Select [SHOOTING] menu by pressing the UP/DOWN button.
4. Press the DOWN button on the [SHOOTING] menu and the next menu page will be displayed.
5. Select [SHARPNESS] menu by pressing the UP/DOWN button.
6. Press the RIGHT button and the cursor will shift to the [SHARPNESS] sub menu.
7. Select the desired sub menu by pressing the UP/DOWN button.



SOFT : This gives smooth edges and the final image will have a soft appearance.

NORMAL : This setting will give a standard finish to the final image.

HARD : This will give the image a crisp and clear appearance.

Press the OK button to confirm the setting.

Press the menu button twice and the menu display will be disappeared. Take a picture.



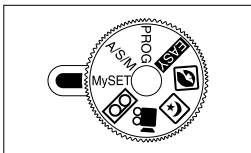
INFORMATION

- ▶ Even though the camera is restarted, the sharpness setting is maintained.

MySET mode menu

My1 My2 My3

- You can select your favorite menus and save them in this menu.



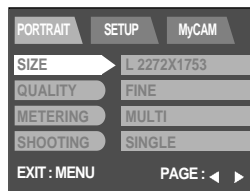
Main menu	Sub menu
MODE	MYSET1
	MYSET2
	MYSET3
CHANGE	NO
	YES

Mode

My1 My2 My3

- You can select your favorite menus that have been saved in this menu.

1. Rotate the mode dial to the MySET mode and press the MENU button.
2. Press the DOWN and the cursor will be shifted to the main menu.
3. Select [MODE] menu by pressing the UP/DOWN button.
4. Press the RIGHT button and the cursor will shift to the [MODE] sub menu.
5. Select the desired sub menu by pressing the UP/DOWN button.



- Press the OK button to confirm the setting.
Press the menu button twice and the menu display will be disappeared. Take a picture
- To apply this function to the camera, change the MySET mode menu or press the DOWN button and select the CHANGE menu.
Refer to the CHANGE menu.

■ The loaded MySET menu will be applied to the camera by this menu.

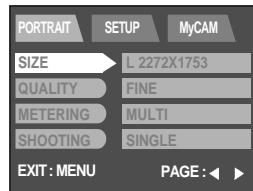
1. Rotate the mode dial to the MySET mode and press the MENU button.
2. Press the DOWN and the cursor will be shifted to the main menu.
3. Select [CHANGE] menu by pressing the UP/DOWN button.
4. Press the RIGHT button and the cursor will shift to the [CHANGE] sub menu.
5. Select the desired sub menu by pressing the UP/DOWN button.
6. Press the OK button to confirm the setting.

Press the menu button twice and the menu display will be disappeared. Take a picture.

- Selecting [NO] : The MySET menu will not be changed.

- Selecting [YES] : You can change your favorite menus.

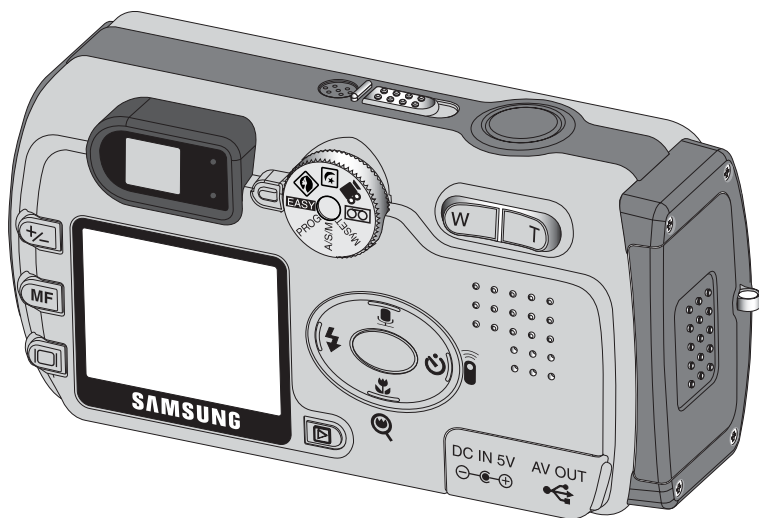
Refer to page 30 ~ 50 for information about the menus.



INFORMATION

- ▶ P/A/S/M in the main menu stands for Program mode(P), Aperture priority(A), Shutter priority(S) and Manual mode(M). You can save one of the camera mode in the MySET mode.

Play mode

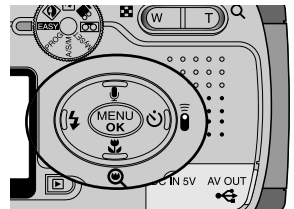


Starting Play Mode

- Turn the camera on and select the Play mode by pressing the play mode button. The camera can now play back the images stored on a memory.
- You can set up the PLAY mode function by using the camera buttons and LCD monitor.

■ Playing back a still image

1. Select the PLAY mode by pressing the play mode button.
2. The last image stored on the memory is displayed on the LCD monitor.
3. Select an image that you want to play back by pressing LEFT / RIGHT button.



INFORMATION

- ▶ Even though the camera power is off, you can start the play mode by pressing the play mode button.
- ▶ The LCD monitor will remain in operation until the camera is switched off in PLAY mode.
- ▶ The menu will not display on the LCD monitor under the following circumstances:
 - When another button is being pressed.
 - While image data is being processed
 - When there is no battery capacity.

Starting the play mode

■ Playing back a movie clip

Steps from 1-2 are the same as those to play back a still image.

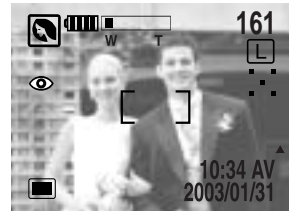
1. Select the movie clip that you want to play back by using the LEFT/RIGHT button. If you select a movie clip file, the movie clip indicator() will be displayed on the LCD monitor.
2. Press the play & pause button to play back a movie clip.
 - To pause playing back a movie clip, press the play & pause button again.
 - Press the play & pause button and the movie clip will restart.
 - To stop play back, press the LEFT/RIGHT button.



■ Playing back a recorded voice

Steps from 1~2 are the same as those to play back a still image.

1. Select the recorded voice that you want to play back by using the LEFT/RIGHT button. If you select a recorded voice file, the voice indicator() will be displayed on the LCD monitor.
2. Press the play & pause button to play back a recorded voice.
 - To pause playing back a recorded voice, press the play & pause button again.
 - Press the play & pause button and the recorded voice will restart.
 - To stop play back, press the LEFT/RIGHT button.



LCD monitor indicator

The LCD monitor displays information about the shooting conditions.

READY



[Image & Basic Status]

No.	Description	Icons	Page
1	Play mode		p.62
2	Battery		p.18
3	Running time (movie clip)		p.37
4	Image enlargement		p.37
5	DPOF indicator		p.74
6	Protect indicator		p.72
7	Voice memo		p.66
8	Voice recording		p.



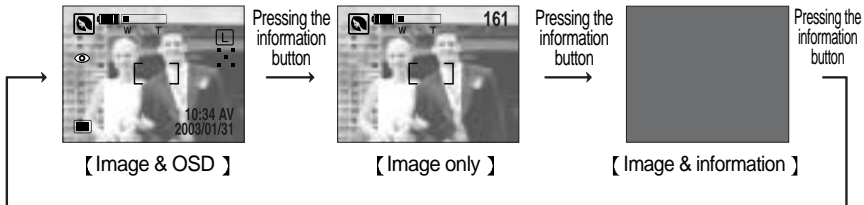
SIZE 1280X1240 : image size
 ISO AUTO : ISO sensitivity
 TV 1/60 : shutter speed
 AV F3.0 : aperture value
 DATE 2002/01/31 : recording date

Information button



The last image stored on the memory is displayed on the LCD monitor.

Pressing the LCD button in the PLAY mode will change the display as shown below.



Thumbnail/ Enlargement/ Trimming button

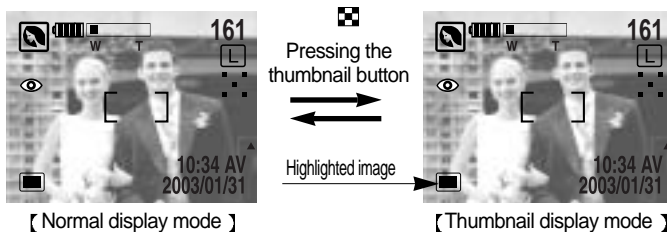


- You can view up to 9 images at a time and trim an image.
- The last image stored on the memory is displayed on the LCD monitor.
Press 5 function button and you can play back another images.

● Thumbnail display ()

- Press the thumbnail button.
- The thumbnail display will highlight the image that had been showing at the time the thumbnail mode was selected.
- Press the 5 function button to move to desired image.

To view an image separately, press the enlargement button().



Thumbnail/ Enlargement/ Trimming button

● Image enlargement

- Select an image that you want to enlarge and press the enlargement button.
- Different parts of the image can be viewed by pressing the 5 function button.
- Pressing the thumbnail button will zoom back to the original full sized image.
- There is the location indicator in the bottom left side of the LCD monitor.



● Trimming : you can extract part of the image that you want and save it separately.

- select a part that you want to trim by pressing the 5 function button. Press the OK button and a message will be displayed as shown alongside.
- Select [YES] or [NO] by pressing the LEFT/ RIGHT button and press the OK button.
- Selecting [YES] : a trimmed image that has the last file name will be displayed on the LCD monitor.
- Selecting [NO] : an initial image will be displayed.



INFORMATION

- ▶ The maximum enlargement rate in proportion as the image size.

Image size	Large (Photo)	Middle	Small
Maximum enlargement rate			

- ▶ If an image is enlarged, enlargement indicator will be displayed in the bottom left of the LCD monitor.
- ▶ Photo size image, Movie clip, TIFF, WAV files can't be enlarged.
- ▶ You may notice a decrease in image quality when using image enlargement.
- ▶ We can't define image size of the trimmed image as it extracts only displayed part of the image in the LCD monitor.
- ▶ If there is little memory space to save the trimmed image, the image can't be trimmed.



- When the menu is displayed on the LCD monitor, pressing the UP button makes the menu cursor move up or change the sub menu value.
- When the menu is not displayed on the LCD monitor, the UP button operates as the voice memo button.

You can add your voice to a stored still image.

1. Press the play mode button.
2. Press the 5 function button to select image that you wish to add sound to. Press the voice memo button () and the voice memo indicator will display. The camera is now ready to record a voice.
3. Press the shutter button to start recording.
The [RECORDING..] message will be displayed on the LCD monitor (as shown) and the voice is recorded to the still image for 10 seconds.
4. Recording can be stopped by pressing the shutter button again.



INFORMATION

- ▶ A voice can't be recorded in the movie clip and voice recording file.
- ▶ When you press the shutter button to stop the sound recording, press the shutter button halfway and the buzzer sound will not be recorded.
- ▶ 40cm between you and the camera (microphone) is the best distance to record a sound.

DOWN/ LEFT/ RIGHT button



■ DOWN/ LEFT/ RIGHT buttons activate the following.

● DOWN button

When the menu is displayed on the LCD monitor, pressing the DOWNUP button makes the menu cursor move down or change the sub menu value.

● LEFT button

When the menu is displayed on the LCD monitor, pressing the LEFT button makes the cursor shift to the main menu.

● RIGHT button

When the menu is displayed on the LCD monitor, pressing the RIGHT button makes the cursor shift to the sub menu.

MENU/ OK button



- MENU button

When you press the MENU button, the play mode menu will be displayed on the LCD monitor. Pressing it again will return the LCD to the initial display.

- OK button

When the menu is displayed on the LCD monitor, the OK button is used for confirming data that is changed by using the 5 function button.



INFORMATION

- ▶ The menu will not be displayed on the LCD monitor in the following circumstances:
 - When another button is being operated.
 - While image data is being processed.(when the green LED next to the viewfinder blinks)
 - When there is no battery capacity.

DELETE button



- This deletes an image stored on the memory card.

1. Press the play mode button.
2. Press the LEFT/ RIGHT button to select image that you want to delete.
3. a message as shown alongside will be displayed on the LCD monitor.
4. To cancel the deletion, press the LEFT button.

Press the OK button and a message as shown alongside will be displayed on the LCD monitor.

Select [YES] or [NO] by pressing the LEFT/RIGHT button and press the OK button.

- Selecting [YES] : Once an image has been deleted, the previous image in the sequence will appear on the LCD monitor.
- Selecting [NO] : The image will be displayed on the LCD monitor.



NOTICE

- ▶ Before deleting an image from the camera, you should download(p.80) the image to your computer or protect(p.61) the image, if you want to keep it.

PLAY & PAUSE button



- When the menu is not displayed on the LCD monitor, press the PLAY & PAUSE button to play and pause the movie clip, a still image that has a voice memo and voice recording file.

1. Press the play mode button.

2. Press the LEFT/ RIGHT button to select image that has voice memo, movie clip or voice recording file.



3. Pressing the OK button activates the following.

- If an image is showing, but there is no sound (or movement) : plays the sound clip or start the movie clip.
- If the image is playing : The progress is paused.
- If the PLAY & PAUSE button is pressed when the image is paused, the sound or movement will resume.

To select the other image, pause the progress and press the LEFT/RIGHT button.



READY



INFORMATION

- ▶ The selected image plays back as single image display.
- ▶ When the image is playing, the play & pause button, power switch and mode dial can be activated.
- ▶ When the image is paused, the left/ right button, power switch and mode dial can be activated.

Setting up the play back function using the LCD monitor

- PLAY mode functions can be changed by using the LCD monitor.
- In the PLAY mode, pressing the MENU button displays the menu on the LCD monitor.

Main menu	Sub menu	Secondary menu
SLIDE SHOW (Default : OFF)	0 ~ 10 SEC. ▲ ▼	
	REPEAT	ON OFF
PROTECT	ONE IMAGE	UNLOCK LOCK
	ALL IMAGES	UNLOCK LOCK
RESIZE	1024 ×768 640 ×480 320 ×240 LOGO	
DELETE ALL	NO YES	
STD	ONE IMAGE	0 ~ 30 PRINTS ▲ ▼
	ALL	0 ~ 30 PRINTS ▲ ▼
INDEX PRINT	NO YES	
CANCEL	STANDARD INDEX	



- Images can be displayed continuously at pre-set intervals.

1. Press the play mode button and press the menu button.
2. Press the DOWN and the cursor will be shifted to the main menu.
3. Select [SLIDE SHOW] menu by pressing the UP/DOWN button.
4. Press the RIGHT button and the cursor will shift to the [SLIDE SHOW] sub menu.
5. Select the desired sub menu by pressing the UP/DOWN button.

* If you select [1 ~ 10SEC], you can select the [REPEAT] secondary menu.

Select [1 ~ 10SEC] and press the RIGHT button and the cursor shift to the secondary menu.

Select the desired menu by pressing the UP/DOWN button.

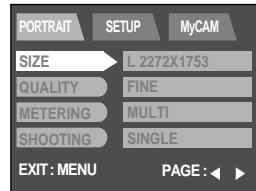
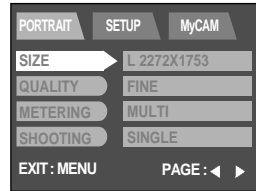
- [ON] : Even though a cycle(from the first image to the last image) is completed, the slide show doesn't stop.
- [OFF] : If a cycle is completed, the slide show stop automatically.

Press the menu button twice and the slide show will start.

Press the menu button twice again and the slide show will stop and the menu will be displayed.

To pause the slide show, press the play & pause button.

To start the slide show again, press the play & pause button again.



INFORMATION

- ▶ The default is OFF and the loading time depends on the image size and quality.
- ▶ The slide show will start from a image that was displayed on the LCD monitor and the [POWER OFF] function can't activate. While the slide show is playing, AVI file is just displayed it's first frame.
- ▶ If the slide show is paused, [PAUSE] message will be displayed on the LCD monitor.

Protect



- This is used to protect specific shots from accidental erasing (LOCK). It also releases images that have been previously protected (UNLOCK).

1. Press the play mode button and press the menu button.
2. Press the DOWN and the cursor will be shifted to the main menu.
3. Select [PROTECT] menu by pressing the UP/DOWN button.
4. Press the RIGHT button and the cursor will shift to the [PROTECT] sub menu.
5. Select the desired sub menu by pressing the UP/DOWN button.

- [ONE PIC] : Only an image that is displayed on the LCD monitor is protected or unprotected.

Select [LOCK] or [UNLOCK] by pressing the UP/ DOWN button and press the OK button.

If you need to protect the other image, press the LEFT/ RIGHT button.

Press the shutter button and the menu will be disappeared.

- [ALL PICS] : All of the stored images are protected or unprotected.

Select [LOCK] or [UNLOCK] by pressing the UP/ DOWN button and press the OK button.

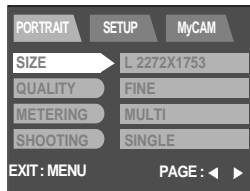
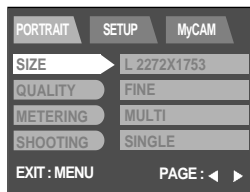
Press the shutter button and the menu will be disappeared.

- [UNLOCK] : Discards the protect function.

- [LOCK] : Sets up the PROTECT function.

If you protect an image, the protect icon () will be displayed on the LCD monitor.

(Unprotected image has no indicator)



INFORMATION

- ▶ An image in LOCK mode will be protected from [DELETE] or [DELETE ALL] functions, but will NOT be protected from the [FORMAT] function.

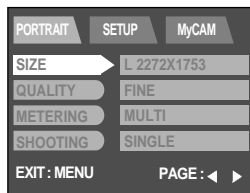
Resize



- The stored image size can be changed and used as logo image. The resized image will have a new file name.

1. Press the play mode button and select an image that you want to resize by pressing the LEFT/RIGHT button.

2. Press the menu button.



3. Press the DOWN and the cursor will be shifted to the main menu.

4. Select [RESIZE] menu by pressing the UP/DOWN button.

5. Press the RIGHT button and the cursor will shift to the [RESIZE] sub menu.

6. Select the desired sub menu by pressing the UP/DOWN button.

7. Press the OK button to confirm the setting.

Press the menu button twice and the menu display will be disappeared.



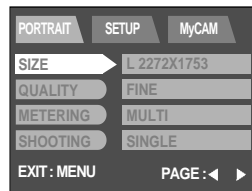
INFORMATION

- ▶ Large size images can be resized to small size, but small size images can't be resized to large size.
- ▶ Large, Medium, Small, Memo and E-mail size images can be resized.
- ▶ If you try to resize the Photo or Print size image, [N/A] (Not available) sub menu will be displayed on the menu display.
- ▶ Only JPG image can be resized. TIFF, WAV files can't be resized.
- ▶ The resized image will have a new file name.

Delete all

- This enables you to clear all unprotected images from the memory.

1. Press the play mode button and press the menu button.
2. Press the DOWN and the cursor will be shifted to the main menu.
3. Select [SIZE] menu by pressing the UP/DOWN button.
4. Press the RIGHT button and the cursor will shift to the [SIZE] sub menu.
5. Select the desired sub menu by pressing the UP/DOWN button.
6. Press the OK button to confirm the setting.



Press the menu button twice and the menu display will be disappeared.

- Selecting [NO] : The display is returned to the initial menu.

- Selecting [YES] : [PLEASE WAIT!] message will display and all the unprotected images are deleted. If there aren't protected images, all the images are deleted and [NO IMAGE!] message will display.



NOTICE

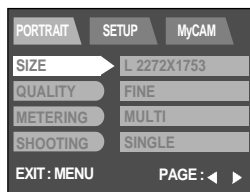
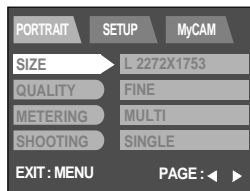
Remember that this will permanently delete unprotected images. Important shots should be stored on a computer before deletion takes place.

DPOF : Standard



- This function allows you to embed print quantity information on the a stored image.

1. Press the play mode button and select an image that you want to embed print quantity by pressing the LEFT/ RIGHT button.
2. Press the menu button.
3. Press the DOWN and the cursor will be shifted to the main menu.
4. Select [DEL. ALL] menu by pressing the UP/DOWN button.
5. Press the DOWN button on the [DEL. ALL] menu and the next menu page will be displayed.
6. Select [STANDARD] menu by pressing the UP/DOWN button.
7. Press the RIGHT button and the cursor will shift to the [STANDARD] sub menu.
8. Select the desired sub menu by pressing the UP/DOWN button.
 - [ONE PIC] : Specifying the number of copies from a selected image.
 - [ALL PICS] : Specifying the number of copies from all images except for movie clips and voice recording file.
9. Press the OK button and a display to select the quantity will display on the LCD monitor.
10. Select the print quantity by pressing the LEFT/RIGHT button.
11. Press the OK button to confirm the setting.



INFORMATION

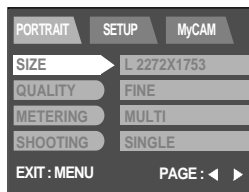
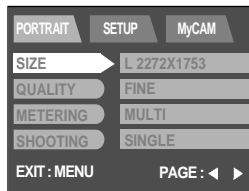
- ▶ DPOF(Digital Print Order Format) allows you to embed printing information on your memory card. Select the pictures to be printed and how many prints to make.(Print quantity : 0 ~ 30)
- ▶ The DPOF indicator() will display on the LCD monitor when an image that has DPOF information plays back. Images can then be printed on DPOF printers, or at an increasing number of photo laboratories.
- ▶ This function is not available for Movie clips.



- This function will specify the number of copies (except for movie clips and sound clip) for index print.

1. Press the play mode button and press the menu button.
2. Press the DOWN and the cursor will be shifted to the main menu.
3. Select [DEL. ALL] menu by pressing the UP/DOWN button.
4. Press the DOWN button on the [DEL. ALL] menu and the next menu page will be displayed.
5. Select [INDEX] menu by pressing the UP/DOWN button.
6. Press the RIGHT button and the cursor will shift to the [INDEX] sub menu.
7. Select the desired sub menu by pressing the UP/DOWN button.
8. Press the OK button to confirm the setting.

Press the menu button twice and the menu display will be disappeared.



INFORMATION

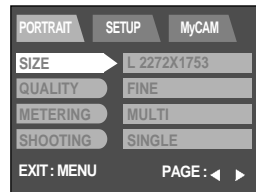
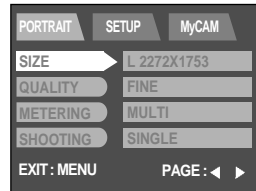
- ▶ The number of copy is 1.
- ▶ There is no indicator for the index print.
- ▶ If the index print was set, the [INDEX] sub menu will be displayed as [YES] on the LCD monitor.
- ▶ The first printed image is the first stored image.

DPOF : Cancel



- This is used for canceling STANDARD or INDEX DPOF function.

1. Press the play mode button and press the menu button.
2. Press the DOWN and the cursor will be shifted to the main menu.
3. Select [DEL. ALL] menu by pressing the UP/DOWN button.
4. Press the DOWN button on the [DEL. ALL] menu and the next menu page will be displayed.
5. Select [CANCEL] menu by pressing the UP/DOWN button.
6. Press the RIGHT button and the cursor will shift to the [CANCEL] sub menu.
7. Select the desired sub menu by pressing the UP/DOWN button.
 - [STANDARD] : Pre-set print quantity is canceled.
 - [INDEX] : Index print is canceled.
8. Press the menu button twice and the menu display will be disappeared.



Setup menu

■ In this mode, you can set up basic settings.

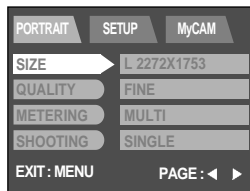
* marked sub menu is the default setting.

Main menu	Sub menu	
FILE	RESET	
	SERIES	
PWR OFF (Default : 3 MIN)	OFF / 1-10MIN	
LANGUAGE	ENGLISH	p.25
	KOREAN	
	CHINESE 1	
	CHINESE 2	
	JAPANESE	
	RUSSIAN	
	GERMANY	
	SPANISH	
FORMAT	NO	
	YES	
DATA SET	2003/01/01	p.23
TIME SET	12:00 AM/PM	p.23
D.TYPE	'YY/MM/DD	
	MM/DD/YY	
	DD/MM/YY	
IMPRINT	OFF	
	DATE	
	DATE&TIME	
SOUND	ON	
	OFF	
LCD	LOW	
	NORMAL	
	HIGH	
VIDEO	NTSC	
	PAL	
Q.VIEW	OFF / 1-3SEC.	
	DEL.ANSWER (DEL.ANSWER)	OFF ON

File

- This enables you to name files

1. Press the menu button and press the RIGHT button to select [SETUP](Second) tab.
2. Press the DOWN and the cursor will be shifted to the main menu.
3. Select [FILE] menu by pressing the UP/DOWN button.
4. Press the RIGHT button and the cursor will shift to the [FILE] sub menu.
5. Select the desired sub menu by pressing the UP/DOWN button.
6. Press the OK button to confirm the setting.
Press the menu button twice and the menu display will be disappeared.



- [RESET] : Using reset, the next file name will be set from 0001 even after formatting, deleting all or inserting a new memory card.
- [SERIES] : Under this system, the file name will directly follow the last stored file name, regardless of any actions such as file deletion or formatting.



INFORMATION

- ▶ The first stored folder name is 100SSCAM, and first name is S400001.
- ▶ Whenever you store an image, the file number is increased by 1.
- ▶ The file number is named from S430001 to S439999 automatically, 9999 files will be stored in a folder.
- ▶ Using SERIES, the sequence starts at 100SSCAM and increases in increments of 1.(e.g : 101SSCAM, 102SSCAM...)
- ▶ The files used with the memory card conform to the DCF(Design rule for Camera File system) format.

Power off

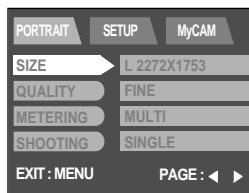
- This function switches the camera off after a set amount of time in order to prevent unnecessary battery drainage.

1. Press the menu button and press the RIGHT button to select [SETUP](Second) tab.

2. Press the DOWN and the cursor will be shifted to the main menu.

3. Select [PWR OFF] menu by pressing the UP/DOWN button.

4. Press the RIGHT button and the cursor will shift to the [PWR OFF] sub menu.



5. Select the desired sub menu by pressing the UP/DOWN button.

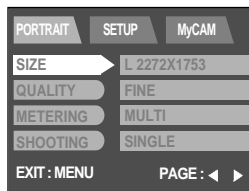
- Selecting [NO] : The power off function will not operate.

- Selecting [YES] : A menu will be displayed on the LCD monitor as shown alongside.

Select desired time by pressing the UP/DOWN button.

6. Press the OK button to confirm the setting.

Press the menu button twice and the menu display will be disappeared.



INFORMATION

- ▶ Even if the batteries or AC adapter are removed and inserted again, the power off setting will be preserved.
- ▶ Note that the automatic power off does not operate if the camera is in slide show or PC mode.

Format

- This is used for formatting the memory card.

1. Press the menu button and press the RIGHT button to select [SETUP](Second) tab.
2. Press the DOWN and the cursor will be shifted to the main menu.
3. Select [FORMAT] menu by pressing the UP/DOWN button.
4. Press the RIGHT button and the cursor will shift to the [FORMAT] sub menu.
5. Select the desired sub menu by pressing the UP/DOWN button.
 - Selecting [NO] : The image will be displayed on the LCD monitor.
 - Selecting [YES] : The memory card is formatted.([NO IMAGE] message will be displayed after the formatting in the play mode)
6. Press the OK button to confirm the setting.

Press the menu button twice and the menu display will be disappeared.



INFORMATION

- ▶ Before using the memory card, it must be initialized.
 - New memory card, unformatted memory card.
 - A memory card that has a file this camera can't recognize or taken by the other camera.



NOTICE

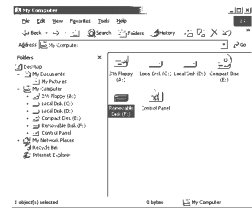
- ▶ All the files in the memory are deleted by [FORMAT] function. Before formatting the memory, it is advisable to copy important data onto other media as back-up e.g. floppy disks, hard disks, CD etc.
- ▶ When you format the memory card in your PC that runs on Windows 2000 or XP, please select FAT file system. If you select FAT 32, the image file may not be recognized on DPOF printer.

Format

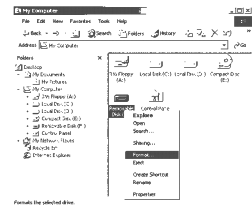
- When you format the card in your PC that runs on Windows 2000 or XP, please select FAT file system. If you select FAT 32, the image file may not be recognized on DPOF printer.

- Formatting on a PC

1. Select [Removable Disk] in the [Windows Explorer].



2. Press the right mouse button and select [Format].



3. Select [FAT] file format type and click the [Start] button.



Date set

- You can change the imprinted date.

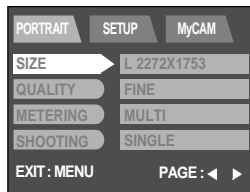
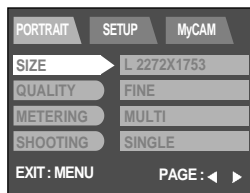
1. Press the menu button and press the RIGHT button to select [SETUP](Second) tab.
2. Press the DOWN and the cursor will be shifted to the main menu.
3. Select [FORMAT] menu by pressing the UP/DOWN button.
4. Press the DOWN button on the [FORMAT] menu and the next menu page will be displayed.
5. Select [DATE SET] menu by pressing the UP/DOWN button.
6. Press the RIGHT button and the cursor will shift to the [DATE SET] sub menu. Select the desired sub menu by pressing the UP/DOWN button.

RIGHT button : selects YEAR/ MONTH/ DAY item.

UP/ DOWN button : changes the value of each item.

7. Press the OK button to confirm the setting.

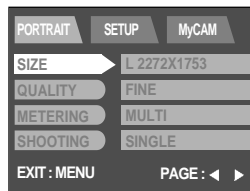
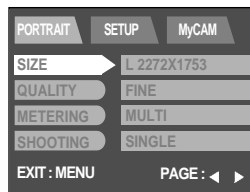
Press the menu button twice and the menu display will be disappeared.



Time set

- You can change the imprinted time.

1. Press the menu button and press the RIGHT button to select [SETUP](Second) tab.
2. Press the DOWN and the cursor will be shifted to the main menu.
3. Select [FORMAT] menu by pressing the UP/DOWN button.
4. Press the DOWN button on the [FORMAT] menu and the next menu page will be displayed.
5. Select [TIME SET] menu by pressing the UP/DOWN button.
6. Press the RIGHT button and the cursor will shift to the [TIME SET] sub menu. Select the desired sub menu by pressing the UP/DOWN button.
RIGHT button : selects HOUR, MINUTE, AM/PM item.
UP/ DOWN button : changes the value of each item.
7. Press the OK button to confirm the setting.
Press the menu button twice and the menu display will be disappeared.



Date type

- You can select date type that is imprinted on the image.

1. Press the menu button and press the RIGHT button to select [SETUP](Second) tab.
2. Press the DOWN and the cursor will be shifted to the main menu.
3. Select [FORMAT] menu by pressing the UP/DOWN button.
4. Press the DOWN button on the [FORMAT] menu and the next menu page will be displayed.
5. Select [D.TYPE] menu by pressing the UP/DOWN button.
6. Press the RIGHT button and the cursor will shift to the [D.TYPE] sub menu. Select the desired sub menu by pressing the UP/DOWN button.

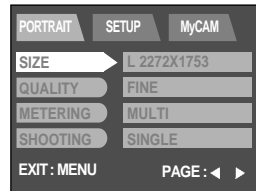
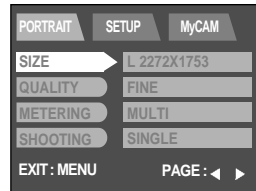
‘YY/ MM/ DD: Year/ Month/ Day

MM/ DD/ ‘YY: Month/ Day/ Year

DD/ MM/ ‘YY: Day/ Month/ ‘Year

7. Press the OK button to confirm the setting.

Press the menu button twice and the menu display will be disappeared.



Imprint

- There is an option to include DATE/TIME on still images.

1. Press the menu button and press the RIGHT button to select [SETUP](Second) tab.

2. Press the DOWN and the cursor will be shifted to the main menu.

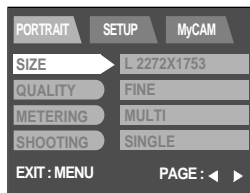
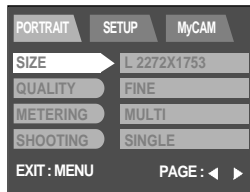
3. Select [FORMAT] menu by pressing the UP/DOWN button.

4. Press the DOWN button on the [FORMAT] menu and the next menu page will be displayed.

5. Select [IMPRINT] menu by pressing the UP/DOWN button.

6. Press the RIGHT button and the cursor will shift to the [IMPRINT] sub menu.

- OFF
- DATE
- DATE&TIME



7. Press the OK button to confirm the setting.

Press the menu button twice and the menu display will be disappeared.



INFORMATION

- ▶ Date & Time are imprinted at the bottom right side of the LCD monitor.
- ▶ Date will be imprinted as DATE TYPE setting.
- ▶ TIME is imprinted in the following way : [Hour / Minute/ Second] and hours are shown using the 24 hour clock.
- ▶ The imprint function is unaffected by the camera being switched on and off.
- ▶ Date & Time is imprinted as you set in the DATE SET, TIME SET menu.
- ▶ The imprint function is applied only to the still image.

Sound

- A beep will sound when you press the camera button and an error takes place. You can check the camera condition by this function.

1. Press the menu button and press the RIGHT button to select [SETUP](Second) tab.

2. Press the DOWN and the cursor will be shifted to the main menu.

3. Select [FORMAT] menu by pressing the UP/DOWN button.

5. Press the DOWN button on the [FORMAT] menu and the next menu page will be displayed.

6. Select [IMPRINT] menu by pressing the UP/DOWN button.

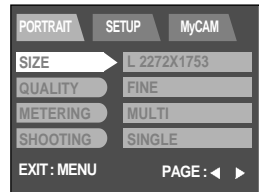
5. Press the DOWN button on the [IMPRINT] menu and the next menu page will be displayed.

6. Select [SOUND] menu by pressing the UP/DOWN button.

4. Press the RIGHT button and the cursor will shift to the [SOUND] sub menu.

5. Select the desired sub menu by pressing the UP/DOWN button.

- [OFF] : The sound function doesn't activate.
- [ON] : The sound function activate.



7. Press the OK button to confirm the setting.

Press the menu button twice and the menu display will be disappeared.



INFORMATION

- ▶ Even though the SOUND function is set to [OFF], you can hear Movie clip, voice memo and sound clip file.

LCD brightness

- You may adjust the LCD brightness

1. Press the menu button and press the RIGHT button to select [SETUP](Second) tab.

2. Press the DOWN and the cursor will be shifted to the main menu.

3. Select [FORMAT] menu by pressing the UP/DOWN button.

4. Press the DOWN button on the [FORMAT] menu and the next menu page will be displayed.

5. Select [IMPRINT] menu by pressing the UP/DOWN button.

6. Press the DOWN button on the [IMPRINT] menu and the next menu page will be displayed.

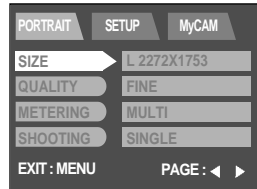
7. Select [LCD] menu by pressing the UP/DOWN button.

8. Press the RIGHT button and the cursor will shift to the [LCD] sub menu.

9. Select the desired sub menu by pressing the UP/DOWN button.
There are LOW, NORMAL and HIGH sub menu in the [LCD] menu.

10. Press the OK button to confirm the setting.

Press the menu button twice and the menu display will be disappeared.



Video

- The Movie output signal from the camera can be NTSC or PAL. Your choice of output will be governed by the type of machine (monitor or TV, etc.) to which the camera is connected.

1. Press the menu button and press the RIGHT button to select [SETUP](Second) tab.

2. Press the DOWN and the cursor will be shifted to the main menu.

3. Select [FORMAT] menu by pressing the UP/DOWN button.

4. Press the DOWN button on the [FORMAT] menu and the next menu page will be displayed.

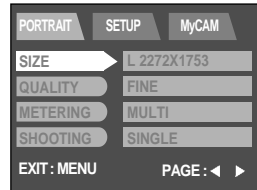
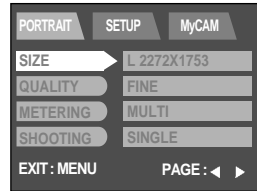
5. Select [IMPRINT] menu by pressing the UP/DOWN button.

6. Press the DOWN button on the [IMPRINT] menu and the next menu page will be displayed.

7. Select [VIDEO] menu by pressing the UP/DOWN button.

8. Press the RIGHT button and the cursor will shift to the [VIDEO] sub menu.

9. Select the desired sub menu by pressing the UP/DOWN button.



10. Press the OK button to confirm the setting.

Press the menu button twice and the menu display will be disappeared.



INFORMATION

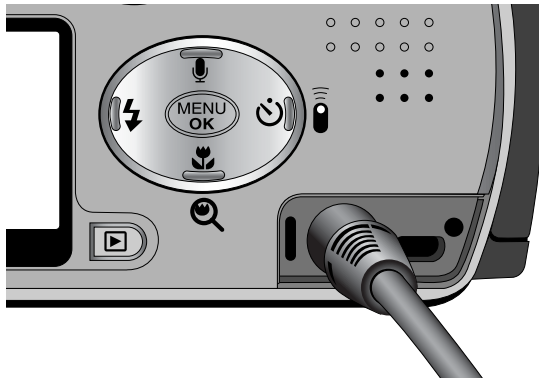
- ▶ Select the correct movie standard for the outer monitor. PAL mode can support only BDGHI.
- ▶ NTSC : U.S.A, Canada, Japan, South Korea, Taiwan, Mexico.
- ▶ PAL : Australia, Austria, Belgium, China, Denmark, Finland, Germany, U.K., Holland, Italy, Kuwait, Malaysia, New Zealand, Singapore, Spain, Sweden, Switzerland, Thailand, Norway..

Connecting to an external monitor

► Connecting to an external monitor

In RECORDING/ PLAY mode, you can view the stored still images or movie clips by connecting the camera to an external monitor via the video cable.

When the camera is connected to an external monitor, the LCD monitor will be turned off automatically.



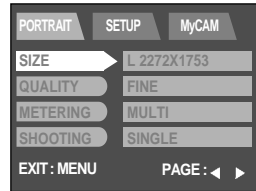
INFORMATION

- When using a TV as an external monitor, you will need to select the external or AV channel of the TV.
- There will be a digital noise on the external monitor, but it is not a malfunction.
- If the image is not in the centre of the screen, use the TV controls to centre it.
- When the camera is connected to an external monitor, the menu will be visible on the external monitor and the menu functions are the same as those indicated on the LCD monitor.

Quick view

- You can briefly review the last image captured during the pre-set time.

1. Press the menu button and press the RIGHT button to select [SETUP](Second) tab.
2. Press the DOWN and the cursor will be shifted to the main menu.
3. Select [FORMAT] menu by pressing the UP/DOWN button.
4. Press the DOWN button on the [FORMAT] menu and the next menu page will be displayed.
5. Select [IMPRINT] menu by pressing the UP/DOWN button.
6. Press the DOWN button on the [IMPRINT] menu and the next menu page will be displayed.
7. Select [Q.VIEW] menu by pressing the UP/DOWN button.
8. Press the RIGHT button and the cursor will shift to the [Q.VIEW] sub menu.
9. Select the desired sub menu by pressing the UP/DOWN button.
 - [OFF] : The quick view function can't activate.
 - [1 ~ 3 SEC] : The captured image is briefly displayed during the selected time.
 - [DEL. ANSWER] : If you select one of the quick view time, a message as shown alongside will display whenever you take a picture.
 - Selecting [ON] : [DEL. ANSWER] message will display whenever you take a picture. If you need not to store the image, press [YES] button, otherwise the image will store after pre-set time.
 - Selecting [NO] : [DEL. ANSWER] message will not display.
10. Press the OK button to confirm the setting.
Press the menu button twice and the menu display will be disappeared.



INFORMATION

- ▶ The quick view function doesn't apply to the movie clip and sound clip file

MySET menu

- You can set up the start up image, start up sound and shutter sound.

Start up image

- You can select the image that is displayed on the LCD monitor whenever the camera is turned on.

1. Press the menu button and press the RIGHT button twice to select [MyCAM](Third) tab.

2. Press the DOWN and the cursor will be shifted to the main menu.

3. Select [S. IMAGE] menu by pressing the UP/DOWN button.

4. Press the RIGHT button and the cursor will shift to the [S. IMAGE] sub menu.

5. Select the desired sub menu by pressing the UP/DOWN button.

6. Press the OK button to confirm the setting.

Press the menu button twice and the menu display will be disappeared.



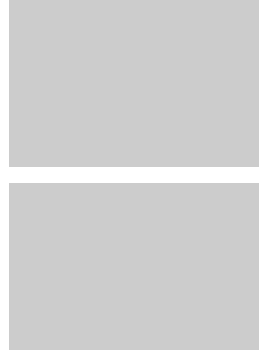
INFORMATION

- ▶ To save you favorite image as LOGO, do [RESIZE] in the play mode menu and select [LOGO] sub menu.

Start up sound

- You can select the sound that is activated whenever the camera is turned on.

1. Press the menu button and press the RIGHT button twice to select [MyCAM](Third) tab.
2. Press the DOWN and the cursor will be shifted to the main menu.
3. Select [S. SOUND] menu by pressing the UP/DOWN button.
4. Press the RIGHT button and the cursor will shift to the [S. SOUND] sub menu.
5. Select the desired sub menu by pressing the UP/DOWN button.
6. Press the OK button to confirm the setting.
Press the menu button twice and the menu display will be disappeared.



Shutter sound

- You can select the shutter sound.

1. Press the menu button and press the RIGHT button twice to select [MyCAM](Third) tab.
2. Press the DOWN and the cursor will be shifted to the main menu.
3. Select [SH. SOUND] menu by pressing the UP/DOWN button.
4. Press the RIGHT button and the cursor will shift to the [SH. SOUND] sub menu.
5. Select the desired sub menu by pressing the UP/DOWN button.
7. Press the OK button to confirm the setting.
Press the menu button twice and the menu display will be disappeared.

