SAMSUNG

SAMSUNG

SAMSUNG S H D LENS

Digimax i5

Digimax i5

User's Manual

Thank you for buying a Samsung Camera.
This manual will guide you through using the camera, including capturing images,
downloading images and using the application software.
Please read this manual carefully before using your new camera.

ENGLISH

Instructions

■ Use this camera in the following order

Set up the camera driver

Before connecting the camera to a PC, via the USB cable, you will need to set up the camera driver. Install the camera driver that is contained in Application software CD-ROM. (p.117)

Take a picture

Take a picture. (p.24)

Insert the USB cable

Insert the supplied USB cable into the PC's USB port and the camera's USB connection terminal. (p.127)

Check the camera's power

Check the camera's power. If the power is turned off, press the camera button to turn it on. (p.31)

Check [Removable Disk]

Open Window's EXPLORER and search for [Removable Disk]. (p.128)

● If you use a card reader to copy the images on the memory card to your PC, the images could be damaged. When transferring the images taken with the camera to your PC, be sure to use the supplied USB cable to connect the camera to your PC. Please note that the manufacturer holds no responsibility for loss or damage of images on the memory card due to the use of a card reader.

Contents

Contents

《4》

Getting to know your camera

Thank you for buying a Samsung Digital Camera.

● Prior to using this camera, please read the user manual thoroughly.

● When you require After Sales service, please bring the camera and the cause of the camera malfunction (such as Batteries, Memory card etc.) to the A/S centre.

● Please check that the camera is operating properly prior to when you intend to use it (e.g. for a trip or an important event) to avoid disappointment. Samsung camera takes no responsibility for any loss or damages that may result from camera malfunction.

● Keep the manual in a safe place.

＊ Microsoft, Windows and Windows logo are registered trademarks of Microsoft Corporation incorporated in the United States and/or other countries.

＊ All brand and product names appearing in this manual are registered trademarks of their respective companies.

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.

Correct Disposal of This Product (Waste Electrical & Electronic Equipment)
(Applicable in the European Union and other European countries with separate collection systems) This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

Information to the user

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION : Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 centre.
- 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. You must contact your dealer or Samsung Camera Service centre. 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. the memory 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.

DANGER

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.
- 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. If an accident should occur, please consult a doctor immediately.
  - There is the possibility of injury from the camera's moving parts.
- Batteries and camera may become hot during prolonged use and it may result in camera malfunction. Should this be the case, allow the camera to sit idle for a few minutes to allow it time to cool.
- 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 Charger. 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.

WARNING

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 insert the batteries with the reverse polarities.
- Remove the batteries when not planning to use the camera for a long period of time. Batteries may leak corrosive electrolyte and permanently damage the camera's components.
- 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 Charger. After use, always switch off the camera before unplugging the cable from the 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.
- Take care not to touch the lens and where the lens cover is to avoid taking an unclear image and possibly causing camera malfunction.
- Avoid obstructing the lens or the flash when you capture an image.
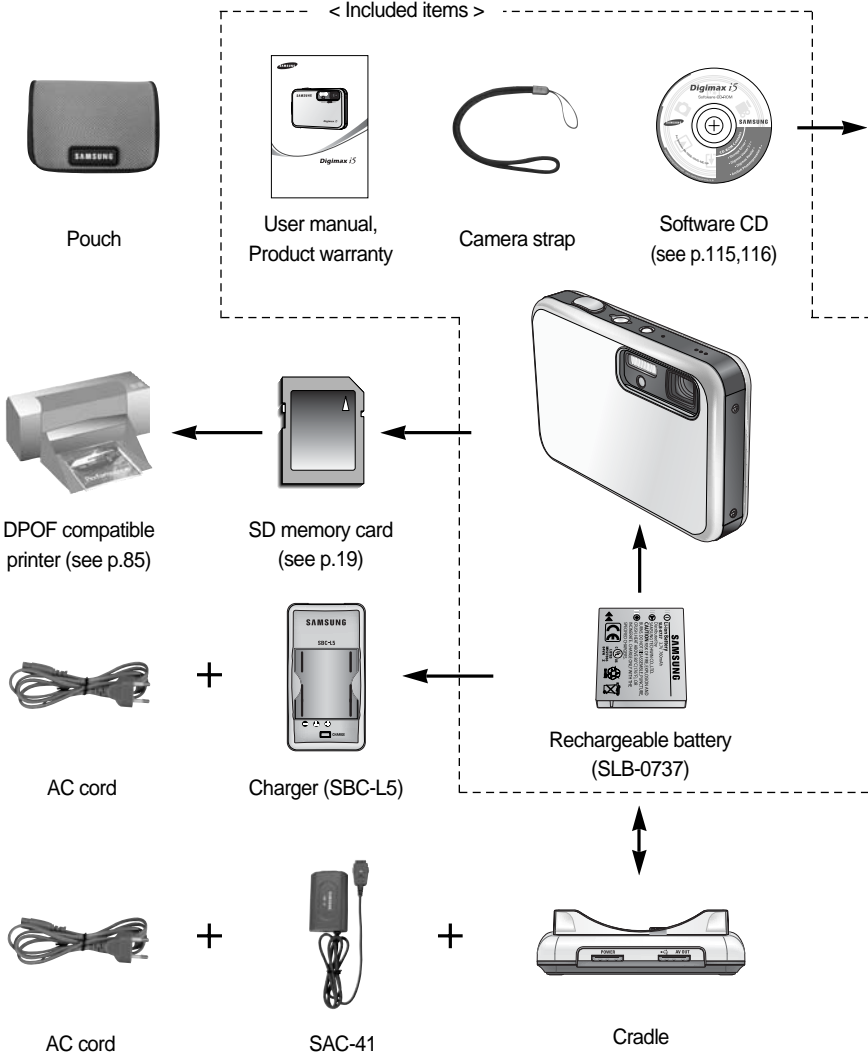
An FCC warning

- 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 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 the camera and the 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.
- Changes or modifications not expressly approved by the party responsible for compliance could void the users authority to operate the equipment.

System chart

Please check that you have the correct contents before using this product. **The contents can vary depending on the sales region.** To buy the optional equipment, contact your nearest Samsung dealer or Samsung service centre.

< Included items >

Pouch

User manual,
Product warranty

Camera strap

Software CD
(see p.115,116)

DPOF compatible
printer (see p.85)

SD memory card
(see p.19)

AC cord

＋

Charger (SBC-L5)

Rechargeable battery
(SLB-0737)

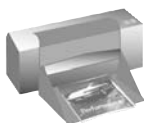AC cord

＋

SAC-41

＋

Cradle

※ The charger (SBC-L5), AC charger (SAC-41) or Cradle is optional depending on the sales region.

System chart

Computer

PictBridge compatible
printer(see p.89)

USB cable

AV cable

External monitor
Yellow colour - Video
White colour - Voice
(see p.101)

System Requirements

For Windows

- PC with processor better than MMX Pentium
  233MHz (XP : Pentium II 300MHz)
- Windows 98/98SE/2000/ME/XP
- Minimum 32MB RAM (XP : 128MB)
- 140MB of available hard-disk space
- USB port
- CD-ROM drive
- 800x600 pixels, 16-bit colour display
  compatible monitor
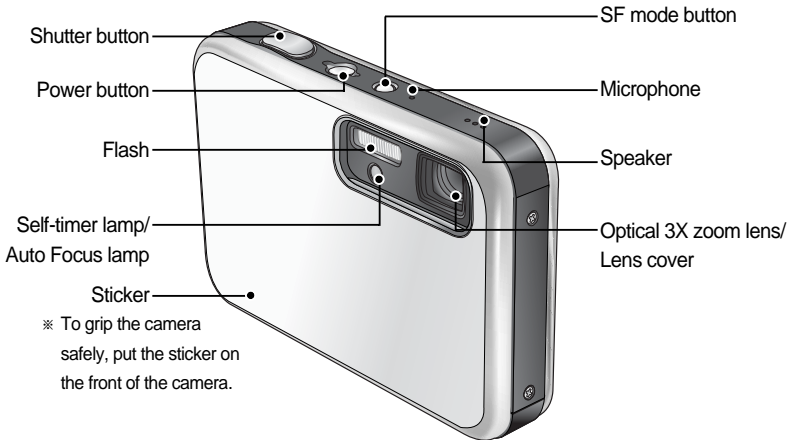 (24-bit colour display recommended)

For Macintosh

- Power Mac G3 or later
- Mac OS 9.2 ~ 10.3
- Minimum 64MB RAM
- 110MB of available hard-disk space
- USB port
- CD-ROM drive
- QuickTime player
- DivX(for movie clip)

CAUTION

When you connect the camera to a
computer, printer or external monitor, you
have to use the USB/ AV cable supplied
with the camera, or the external devices
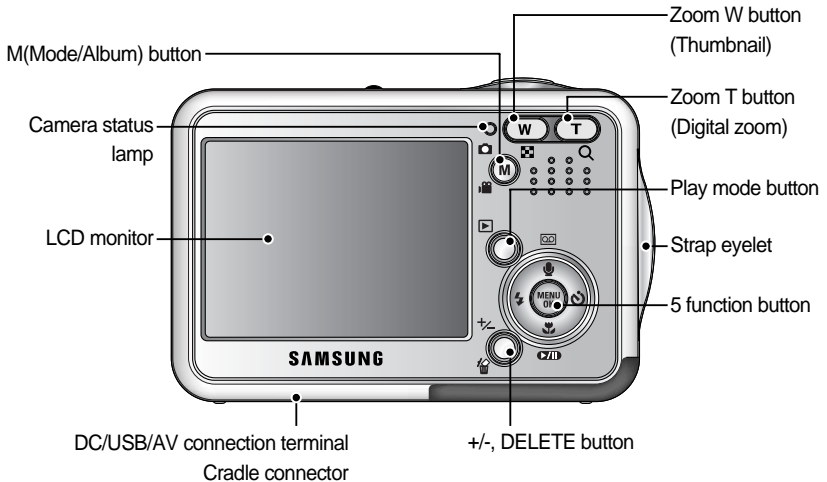can't recognise the camera.
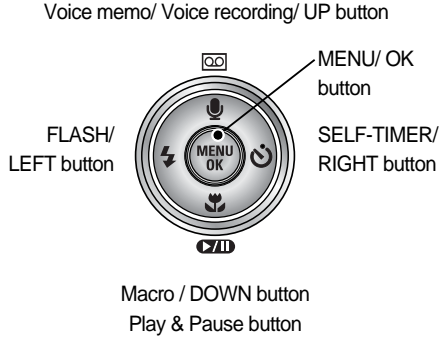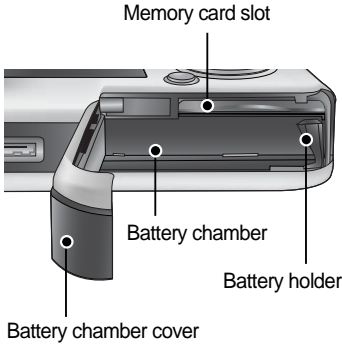
Identification of features

Front & Top

Shutter button

Power button

Flash

Self-timer lamp/
Auto Focus lamp

Sticker
※ To grip the camera
safely, put the sticker on
the front of the camera.

SF mode button

Microphone

Speaker

Optical 3X zoom lens/
Lens cover

※ Take care not to press the lens, lens cover and camera by force. This may cause the camera malfunction.

Back & Bottom

M(Mode/Album) button

Camera status
lamp

LCD monitor

SAMSUNG

Zoom W button
(Thumbnail)

Zoom T button
(Digital zoom)

Play mode button

Strap eyelet

5 function button

DC/USB/AV connection terminal
Cradle connector

+/-, DELETE button

《10》

Identification of features

Side / 5-function button

Memory card slot

Voice memo/ Voice recording/ UP button

MENU/ OK button

FLASH/ LEFT button

SELF-TIMER/ RIGHT button

Battery chamber
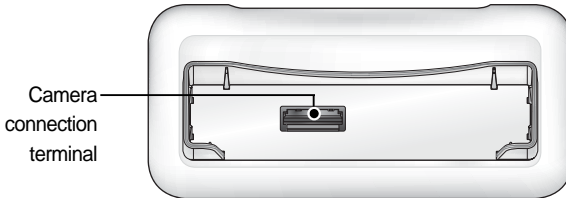
Battery holder

Battery chamber cover

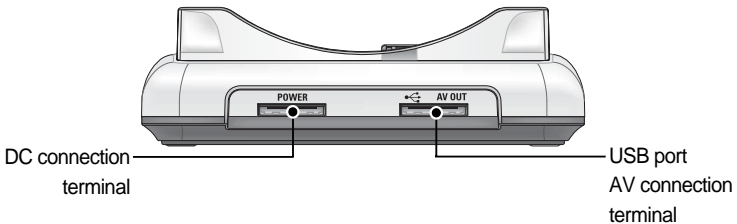Macro / DOWN button
Play & Pause button

Cradle

■ You can recharge your rechargeable battery, transfer a captured image to print, and download images with the cradle. (Refer to page 15, 89 and 127)

● Top

Camera connection terminal

● Back

POWER   AV OUT

DC connection terminal

USB port
AV connection terminal

《11》

Identification of features

■ Self-timer lamp

Icon	Status	Description
⟲²ˢ	Blinking	For the 2 seconds, the lamp blinks quickly at 0.25-second intervals.
⟲	Blinking	For the first 8 seconds, the lamp blinks at 1 second intervals. For the final 2 seconds, the lamp blinks quickly at 0.25-second intervals.
⟲	Blinking	A picture will be taken after about 10 seconds and 2 seconds later a second picture will be taken.

■ Camera Status Lamp

Status	Description
Power on	The lamp turns on and off when the camera is ready to take a picture
After taking a picture	The lamp blinks while saving the image data and turns off when the camera is ready to take a picture
When the USB cable is inserted to a PC	The lamp lights up (LCD monitor turns off after initializing the device)
Transmitting Data with a PC	The lamp blinks (LCD monitor turns off)
When the USB cable is inserted to a printer	The lamp lights up
When the printer is printing	The lamp blinks

■ Mode icon : Refer to page 40, 41 for more information about the camera mode setting.

MODE	MOVIE CLIP	VOICE RECORDING	AUTO	MANUAL	SF	PLAY
Icon	🎥	📼	⬛	🅖	SF	▶

MODE	SCENE					
	NIGHT	PORTRAIT	CHILDREN	LANDSCAPE	CLOSE UP	TEXT
Icon	☾	◐	🧍	⛰	🌷	T
MODE	SUNSET	DAWN	BACKLIGHT	FIREWORKS	BEACH&SNOW	-
Icon	⊟	🔅	🖼	✳	🏖	-

《12》

Connecting to a Power Source

■ You should use the rechargeable battery (SLB-0737) supplied with the camera.
   Be sure to charge the battery before using the camera.

■ SLB-0737 rechargeable battery Specification

Model	SLB-0737
Type	Lithium Ion
Capacity	760mAh
Voltage	3.7V
Charging time	Approx. 150 MIN (Using the SAC-41)

■ Number of images and battery life

Still image		Movie
Battery life	Number of images	Recording time
Approx. 70 MIN	Approx. 140	Approx. 70 MIN
Shooting conditions	Using the fully charged battery Auto mode, 5M image size Fine image quality, Shot to shot interval : 30Sec. Changing the zoom position between the Wide and the Tele ends every 1 shot. Using the flash every two times. The power turns off every ten shots	Shooting conditions: Using the fully charged battery 640X480 image size 30fps frame rate

※ These figures are measured under Samsung's standard conditions and Shooting conditions
   and may vary depending on the way of user's usage.

INFORMATION

Important information about battery usage
● When the camera is not used, turn off the camera power.
● 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.
● Low temperatures (below 0°C) can affect the performance of the batteries and you may
   experience reduced battery life.
● Batteries will usually recover at normal temperatures.
● During extended use of the camera, the camera body may become warm.
   This is perfectly normal.

Connecting to a Power Source

If you have access to a mains supply, using an SAC-41 allows the camera to be used for long periods of time.
Plug the SAC-41 into the DC connection terminal on the camera or cradle.
Before turning on the camera power with an SAC-41, insert the rechargeable battery that was charged for over 10 minutes with turning off the camera.

DANGER

- Always turn off the power before taking the SAC-41 out of the mains supply.
- As with all mains powered devices, safety is important. Ensure that neither the camera nor Charger comes into contact with water or metallic materials.
- Please ensure that you use the SAC-41 with the correct specification for the camera. Failure to do so may affect your warranty.

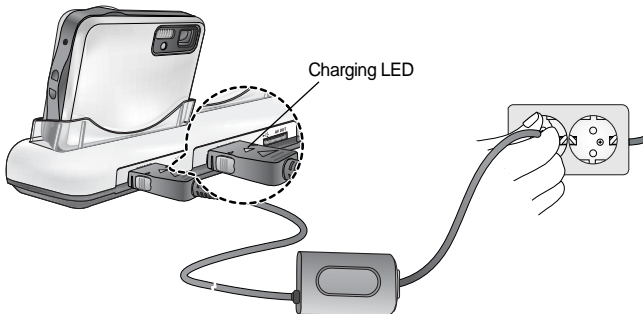■ How to charge the rechargeable battery (SLB-0737) with the SAC-41.
   ● Charging with the cradle
      1. Insert the rechargeable battery into the battery chamber.
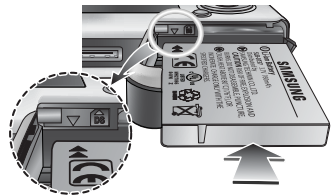
   2. Place the camera correctly in the cradle.

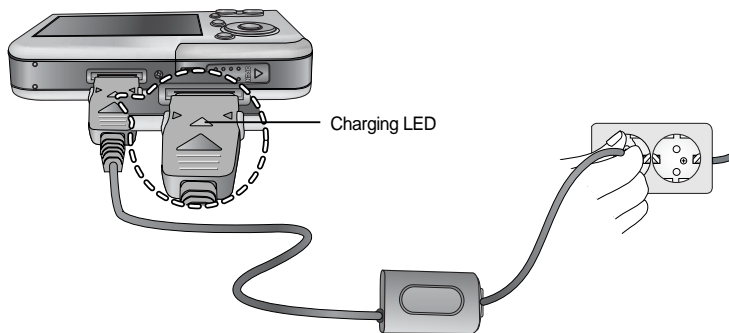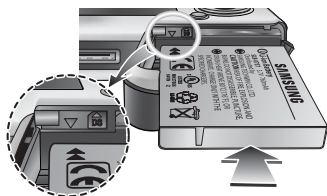   3. Put the SAC-41 into your power socket and DC connection terminal of the cradle.

Charging LED

Connecting to a Power Source

- How to charge the rechargeable battery (SLB-0737) with the SAC-41.
  - Charging with the camera
    1. Insert the rechargeable battery into the battery chamber.

    2. Put the SAC-41 into your power socket and DC connection terminal of the camera.

Charging LED

- Important information about battery (SLB-0737) charging with the SAC-41
  - If the charging LED of the SAC-41 does not turn on or blink after inserting the rechargeable battery, please check whether the batteries are inserted correctly.
  - Please check the battery charging status with the charging LED of SAC-41.
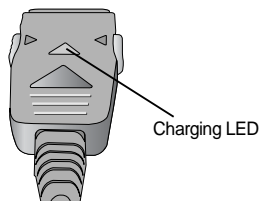
Charging LED

※ If you connect the SAC-41 to camera without inserting the rechargeable battery, the charging LED will brink or be off. In this case, insert the battery and connect the SAC-41 again.

Connecting to a Power Source

■ Charging LED of the SAC-41

Status	Using the cradle	Direct to the camera
Being Charged	Red LED is on	Red LED is on
Charging is complete	Green LED is on	Green LED is on
Charging error	Red LED is off or blinking	Red LED is off or blinking

● If there is a charging error, please check all the power connections are in place.

● A USB cable for transmitting data can't be used for charging the rechargeable battery.

■ Charging time (When the camera is turned off)
   - Using the cradle   : About 150MIN
   - Using the SAC-41   : About 150MIN

INFORMATION

**Important information about the rechargeable battery.**
● If you charge the battery with the camera power on, the battery can't charge fully.
   To charge the battery fully, turn the camera off when you charge it.
● If you insert the fully discharged battery to charge it, do not turn on the camera at the same time. The camera may not be turned on because of the low battery capacity. Charge the battery for over 10 minutes to use the camera.
● Do not use the flash frequently or take a movie clip with the fully discharged battery charged for a short time. Even if the charger is inserted, the camera power may be turned off because the rechargeable battery is discharged again.

Connecting to a Power Source

■ How to charge the rechargeable battery (SLB-0737) with the SBC-L5.

1. Insert the AC cord into the charger.

2. Plug the AC cord's power plug into the wall outlet.
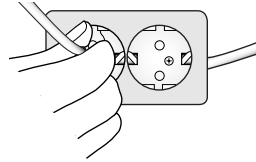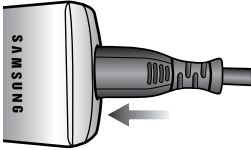
3. Place the (-) and (+) terminals of the battery in the correct position. The red charge indicator indicates normal charging.

4. When charging is complete, the indicator turns green.

■ Charging LED of the SBC-L5

Charging LED	Red LED is on	Red LED is blinking	Green LED is on
Status	Being charged	Charging error	Charging is complete

INFORMATION

● If the charge indicator blinks as red, it indicates a battery charging error.
  - The battery is not properly inserted
  - The terminals of battery are dirty or damaged
  If the battery is inserted properly and the charge indicator continues to blink, contact the nearest Samsung Camera Service Center.
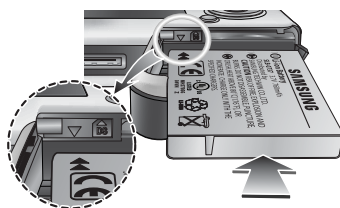● Refer to the user manual for more information about using the SBC-L5.

Connecting to a Power Source

: If the camera does not turn on after you have inserted batteries, please check whether the batteries are inserted with the correct polarity(+/-).

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

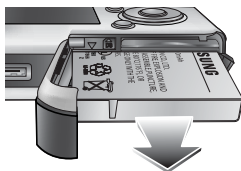2. Insert the batteries taking note of the polarity (+ / -).

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

Removing the battery

1. Turn off the camera power.
   Open the battery chamber cover and move the battery holder aside. The battery will be released.
2. Take out the battery and close the battery chamber cover.

INFORMATION

● When the battery chamber cover is opened, do not press the battery chamber cover by force. This may cause the battery chamber cover modification or breakage.

■ There are 3 indicators for battery condition that are displayed on the LCD monitor.

| Battery indicator	▐█▄▌	▐▄▌	▭
Battery status	The batteries are fully charged	Prepare new batteries	There is no battery capacity. Replace with new batteries.

Instructions on how to use the memory card

● Be sure to format the memory card (see p.97) if you are using a newly purchased memory for the first time, if it contains data that the camera cannot recognise, or if it contains images captured with a different camera.

● 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.

● Do not use a memory card that is used in another digital camera. To use the memory card in this camera, format the memory card using this camera.

● Do not use a memory card formatted by another digital camera or memory card reader.

● 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
  : A [Card Full!] message will appear and the camera will not operate. To optimise the amount of memory in the camera, replace the memory card or delete unnecessary images stored on the memory.

Instructions on how to use the memory card

INFORMATION

● Don't remove the memory card when the camera status lamp is blinking as this may cause damage to data in the memory card.

■ The camera can use SD Memory Cards and MMC (Multi Media Cards). Please consult the enclosed manual for using the MMC Cards.

Card pins

Write
protect
switch

Label
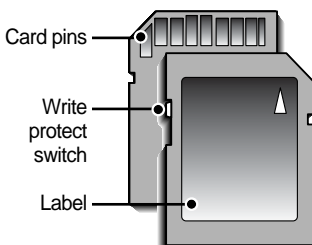
[SD (Secure Digital) memory card]

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 cancelled. Slide the switch to the top of the SD memory card before taking a picture.

■ When using a 50MB internal memory, the specified shooting capacity will be as follows. These figures are approximate as image capacities can be affected by variables such as subject matter.

Recorded image size		S. Fine	Fine	Normal	30FPS	15FPS
Still image	5M(2592x1944)	11	21	33	-	-
	4M(2272x1704)	14	26	40	-	-
	3M(2048x1536)	17	33	50	-	-
	2M(1600x1200)	30	51	75	-	-
	1M(1024x768)	60	106	129	-	-
	VGA(640x480)	121	165	202	-	-
Movie clip	640(640X480)	-	-	-	About 2MIN	About 4MIN
	320(320X240)	-	-	-	About 4MIN	About 7MIN
	160(160X128)	-	-	-	About 8MIN	About 15MIN

Inserting the memory card

1. Turn off the camera's power and pull the battery chamber cover in the direction of the arrow to open.

2. Have the front of the memory card facing toward the front of the camera (lens) and the card pins toward the back of the camera (LCD monitor), and then push the memory card into the card slot until you hear a click.
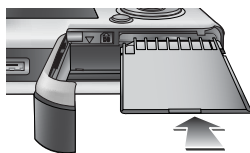
3. To close, push the battery chamber cover until you hear a click. If the memory card does not slide in smoothly, do not attempt to insert it by force. Check the direction of insertion, and then insert it correctly. Do not insert the memory card the wrong way round. Doing so may damage the memory card slot.

Removing the memory card

1. Turn the power off using the power button.
   Open the battery chamber cover and press the memory card as shown in the image and release.
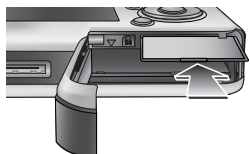
2. Remove the memory card and close the battery chamber cover.

INFORMATION

● When the camera is turned on, inserting or removing the memory card turns the camera power off.

When Using the Camera for the First Time

- Charge the rechargeable battery fully before using the camera for the first time.

- If the camera is turned on for the first time, a menu will be displayed to set date, time and language in the LCD monitor. This menu will not be displayed after setting up the date, time and language. Set up the date, time and language before using this camera.

● Setting up the date, time and date type
  1. Select the [D & Time] menu by pressing the UP/DOWN button and press the RIGHT button.
  2. Select the desired sub menu by pressing the UP/ DOWN/ LEFT/ RIGHT button.

     RIGHT button   : selects YEAR/ MONTH/ DAY/ HOUR / MINUTE/DATE TYPE

     LEFT button   : Moves the cursor to the [Date&Time] main menu if the cursor is at the first item of the date and time setup. In all other instances, the cursor will be shifted to the left of its current position.

     UP/ DOWN button : changes the value of each item.
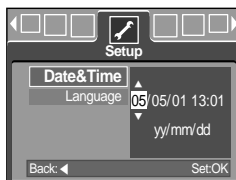
● Setting up the language
  1. Select the [Language] menu by pressing the UP/DOWN button and press the RIGHT button.
  2. Select the desired sub menu by pressing the UP/ DOWN button and press the OK button.
     When the settings are complete, press the MENU button twice to exit the menu screen.

INFORMATION

  ● You can select 18 languages. These are listed below
    : English, Korean, French, German, Spanish, Italian, S. Chinese, T. Chinese, Japanese, Russian, Portuguese, Dutch, Danish, Swedish, Finnish, Thai, BAHASA(MALAY/ INDONESIAN) and Arabic.
  ● Even if the camera is restarted, the language setting will be maintained.

LCD monitor indicator

■ The LCD monitor displays information about the shooting functions and selections.
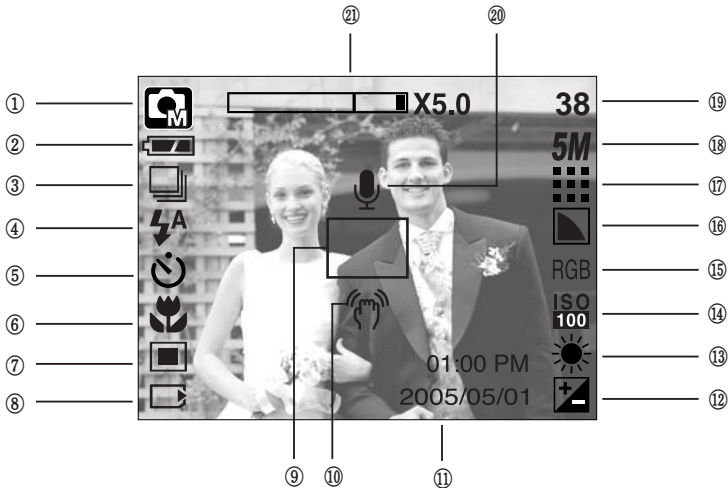
[Image & Full Status]

No.	Description	Icons	Page
1	Recording mode	🔲 🔲 📹 5F 🔲 🌙 🔲 👤 🔺 🌷 T 🔲 🍷 🏞 🌸 🎆	p.50
2	Battery	▭▮ ▭▮ ▭	p.18
3	Continuous shot	▭ ▭▮	p.53
4	Flash	🚫 ⚡S ⚡ ⊙ ⚡A	p.37
5	Self-timer	⏱²ˢ ⏱ ⏱	p.39
6	Macro	🌷 🌷 🔍	p.35
7	Metering	◉ ▣	p.53
8	Card inserted indicator	▭▶ INT	-
9	Auto focus frame	▭	-
10	Camera shake warning	📳	p.30
11	Date/ Time	2005/05/01 01:00 PM	p.98
12	Exposure compensation	🔲	p.45
13	White Balance	AWB ☀ ☁ 💡 💡 ☀ ▭	p.44
14	ISO	ISO AUTO ISO 100 ISO 200 ISO 400	p.44

《23》

LCD monitor indicator

15	RGB	**RGB**	p.43
16	Sharpness	▨ ▨ ▨	p.54
17	Image quality	⊞ ⊞ ⊞	p.52
18	Image size	*5M 4M 3M 2M 1M* ᵛᴳᴬ *640 320 160*	p.51
19	Number of available shots remaining	38	p.20
	Remaining time (Movie clip/ Voice recording)	00:01:30/ 01:00:00	
20	Voice memo/ Mic. off	🎤 🚫	p.34/27
21	Optical/ Digital Zoom bar/ Digital Zoom rate	▭▭▭▮ **X5.0**	p.32

Changing the recording mode

■ You can select the desired working mode by the M (Mode) button located on the back of the camera and [Mode], [Mode set] menu. Auto, manual, movie clip, scene (night, portrait, children, landscape, text recognition, close-up, sunset, dawn, backlight, fireworks, beach & snow) camera modes are available.

■ Selecting the [Mode] menu
1. Insert the battery (p.18).
2. Insert the memory card (p.21). As this camera has a 50MB internal memory, you do not need to insert the memory card. If the memory card is not inserted, an image will be stored in the internal memory. If the memory card is inserted, an image will be stored on the memory card.
3. Close the battery chamber cover.
4. Press the power button to turn on the camera.
5. Press the menu button and a menu will display.
6. Use the UP/DOWN button to select the [Mode] menu.
7. Select [Still & Movie] or [Full] sub menu by pressing the UP/DOWN button.
   - [Still & Movie]   : A still image mode that was selected on the [Mode set] menu and movie clip mode can be selected. Refer to page 50 for more information about using the [Mode set] menu.
   - [Full]   : Auto, Manual, Movie clip and scene modes can be selected.
8. Press the MENU button and the menu will disappear.

Changing the recording mode

● Changing the recording mode : If the [Still & Movie] menu was selected
  Steps from 1-4 are the same as those for selecting the [Mode] menu.
  5. A recording mode used just before will display.
  6. Press the M (Mode) button located on the back of the camera and the recording mode will change to the movie clip mode.
  7. Press the M (Mode) button again and a still image mode selected on the [Mode set] menu will be selected.

Pressing the M (Mode) button

[AUTO mode]

[MOVIE CLIP mode]
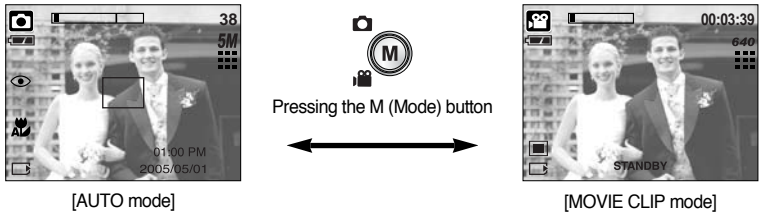
● Changing the recording mode : If the [Full] menu was selected
  Steps from 1-4 are the same as those for selecting the [Mode] menu.
  5. A recording mode used just before will display.
  6. Press the M (Mode) button located on the back of the camera and the mode selection menu will display.
  7. To select the Auto, Manual, Movie clip or Scene modes, press the Left/Right button.
    To move between the Auto, Manual, Movie clip menu line and Scene menu line, press the Up/Down button.

[Mode selection menu]

Pressing the Left button

[Selecting the Movie clip mode]

Pressing the Up button

[Selecting the Scene mode]
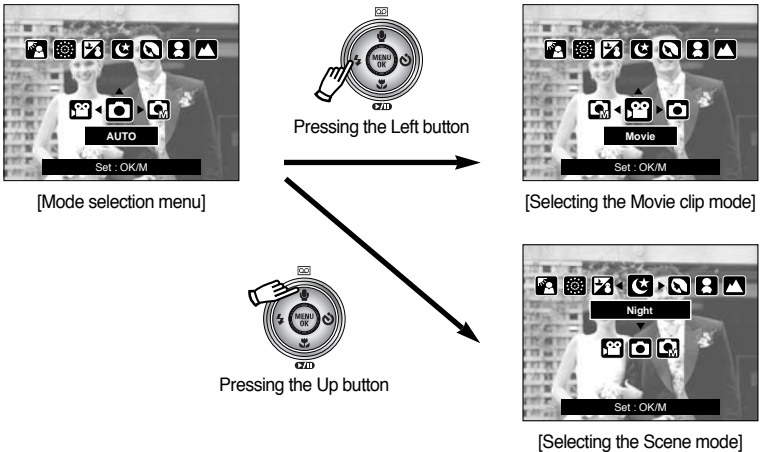
8. Press the M (Mode) button and the mode selection menu will disappear.

Starting the recording mode

■ How to use the Auto mode
Use this for shooting basic still images.
1. Select the [Full] sub menu on the [Mode] menu (p.24).
2. Select the Auto mode by pressing the M (Mode) button (p.25).
3. Point the camera towards the subject and compose the image by using the LCD monitor.
4. Press the shutter button to capture an image.
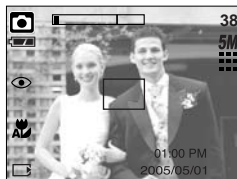
[AUTO mode]

INFORMATION

● If the auto focus frame turns to red when you press the shutter button down half way, it means that the camera cannot focus on the subject. Should this be the case, the camera is unable to capture an image clearly.
● Avoid obstructing the lens or the flash when you capture an image.

■ How to use the Movie clip mode
A movie clip can be recorded for as long as the available recording time of the memory capacity allows.
1. Select the [Full] sub menu on the [Mode] menu (p.24).
2. Select the Movie clip mode by pressing the M (Mode) button (p.25).
3. Point the camera towards the subject and compose the image by using the LCD monitor.
4. 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.

[MOVIE CLIP mode]

　　　※ Image size and type are listed below.
　　　- Image size　　　　: 640X480, 320X240, 160X128 (user selectable)
　　　- Movie clip file type : AVI (MPEG-4)
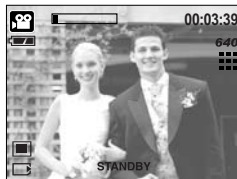
Starting the recording mode

■ Recording the movie clip without voice
  You can record the movie clip without voice.
  Steps from 1-3 are the same as those for MOVIE CLIP
  mode.
  4. Press the Up button and the (📝) icon will display on
     the LCD monitor.
  5. Press the shutter button and movie clip is recorded for as
     long as the available recording time without voice.
  6. To stop the recording, press the shutter button again.

■ Pausing while recording a movie clip (Successive Recording)
  This camera allows you to temporarily stop during unwanted scenes, while recording a movie
  clip. Using this function, you can record your favourite scenes into a movie clip without having
  to create multiple movie clips.

● Using Successive Recording
  Steps from 1-2 are the same as those for MOVIE CLIP
  mode.
  3. Point the camera towards the subject and compose the
     image by using the LCD monitor. Press the shutter
     button and movie clips are recorded for as long as the
     available recording time. Movie clips will still be recorded
     if the shutter button is released.
  4. Press the Pause button(▶/❚❚) to pause recording.
  5. Press the Pause button(▶/❚❚) again to resume the recording.
  6. If you wish to stop recording, press the shutter button again.

  [Successive recording of a movie clip]

■ How to use the Manual mode
  Selecting the automatic mode will configure the camera with optimal settings.
  You can still manually configure all functions except the aperture value and shutter speed.
  1. Select the [Full] sub menu on the [Mode] menu (p.24).
  2. Select the Manual mode by pressing the M (Mode) button
     (p.25).
  3. Point the camera towards the subject and compose the
     image by using the LCD monitor.
  4. Press the shutter button to capture an image.

  [MANUAL mode]

《27》
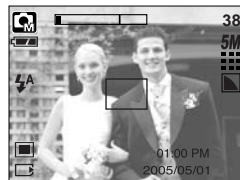
Starting the recording mode

■ How to use the Scene modes
  Use the menu to easily configure optimal settings for a variety of shooting situations.
  1. Select the [Full] sub menu on the [Mode] menu (p.24).
  2. Select the Scene mode by pressing the M (Mode) button (p.25).
  3. Point the camera towards the subject and compose the image by using the LCD monitor.
  4. Press the shutter button to capture an image.
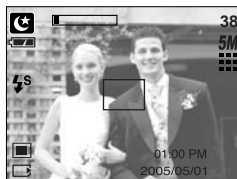
[SCENE mode]

  ※ The scene modes are listed below.

  [Night](🌙)   : Use this for shooting still images at night or in other dark conditions.

  [Portrait](👤)   : To take a picture of a person.

  [Children](👶)   : To take a still picture of moving children.

  [Landscape](🏔)   : Scenery with green woods or blue sky.

  [Close up](🌷)   : Close-up shooting for small objects such as plants and insects.

  [Text](📄)   : Use this mode to shoot a document.

  [Sunset](🌅)   : For taking pictures of sunsets.

  [Dawn](🌄)   : Daybreak scenes.

  [Backlight](🔆)   : Portrait without shadows caused by backlight.

  [Firework](🎆)   : Firework scenes.

  [Beach & Snow](🏖)   : For ocean, lake, beach and snowscape scenes.

《28》

Starting the recording mode

■ How to use the VOICE RECORDING mode
A voice recording can be recorded for as long as the available recording time of the memory capacity allows. (Max: 1 hour)

1. In any mode with the exception of the Movie clip, select the VOICE RECORDING mode by pressing the Voice recording button twice.

2. Press the shutter button to record a voice.
   - Press the shutter button once and voice is recorded for as long as the available recording time (Max : 1 hour) 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.
   - File type : WAV

[VOICE RECORDING mode]

INFORMATION

● A distance of 40cm between you and the camera (microphone) is the best distance to record sound.

■ How to use the SF mode
In poor indoor light conditions, Safety Flash will help you get a good image without the use of a flash. In every camera mode, the SF mode can be selected.

1. Press the SF mode button.
2. Press the shutter button to capture an image.

 ※ Refer to page 42 for more information about the SF function.

[SF mode]

Things to Watch Out for When Taking Pictures

■ Pressing the shutter button down half way
   Lightly press the shutter button to confirm focus and flash battery charge.
   Press the shutter button all way down to take the picture.
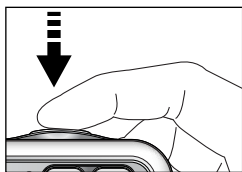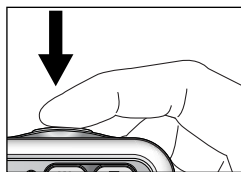
[Lightly press the shutter button]   [Press the shutter button]

■ The available recording time may vary depending on shooting conditions and camera settings.
■ 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, support the camera on a solid surface or change the flash mode to flash shot mode.
■ Backlight compensated shots : When taking an outdoor shot, avoid facing the sun, as the image may be dark because of the strong backlight.
   To take a picture against the sun, please use the [Backlight] in the scene shooting mode (see page 28), Fill-in flash (see page 37), Spot metering (see page 53), or Exposure compensation (see page 45).
■ Avoid obstructing the lens or the flash when you capture an image.
■ 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).
   - When the surroundings are dark

Using the camera buttons to adjust the camera

■ The recording mode function can be set up by using the camera buttons.

POWER button

● Used for turning the camera's power on / off.
● If there is no operation during the specified time, the camera's power will be turned off automatically to save battery life. Refer to page 96 for more information about the auto power off function.
● Pressing the power button for over 3 seconds will deactivate the start-up sound and sound function.
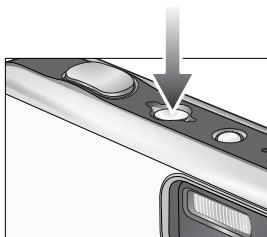
SHUTTER button

● Used for taking an image or recording voice in the recording mode.
● In MOVIE CLIP mode
  Pressing the shutter button down fully starts the process for recording a movie clip. Press the shutter button once and the movie clip is recorded for as long as the available recording time in the memory allows. If you wish to stop recording, press the shutter button again.
● In STILL IMAGE 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. If you select voice memo recording, the recording will start after the camera has finished storing the image data.
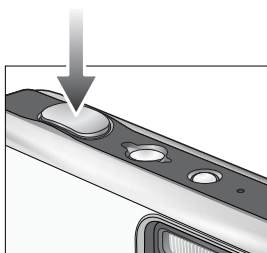
ZOOM W/ T button

● If the menu is not displayed, this button works as the OPTICAL ZOOM or DIGITAL ZOOM button.

《31》
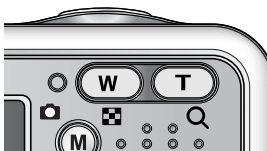
ZOOM W/ T button

■ This camera has a 3X optical zoom and a 5X digital zoom function. Using both will offer a total zoom ratio of 15X.

● TELE Zoom

Optical zoom TELE : Pressing the ZOOM T button. This will zoom into the subject i.e. the subject will appear nearer.

Digital zoom TELE : When the maximum (3X) optical zoom is selected, pressing the ZOOM T button activates the digital zoom software. Releasing ZOOM T button stops the digital zooming at the required setting. Once the maximum digital zoom (5X) is achieved, pressing the ZOOM T button will have no effect.

[WIDE zoom]   [TELE zoom]   [Digital zoom 5.0X]

● WIDE Zoom

Optical zoom WIDE : Pressing the ZOOM W button. This will zoom out from the subject i.e. the subject will appear further away. Pressing the ZOOM W button continuously will set the camera to its minimum zoom setting i.e. the subject appears at its furthest from the camera.

[TELE zoom]   [Optical zoom 2X]   [WIDE zoom]
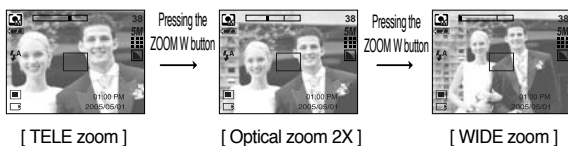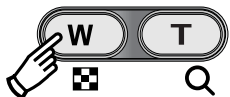
Digital zoom WIDE : When the digital zoom is in operation, pressing the ZOOM W button will reduce the digital zooming in steps. Releasing ZOOM W button stops digital zooming. Pressing the ZOOM W button will reduce the digital zoom and then it will continue to reduce the optical zoom until the minimum setting is reached.

Optical zoom

X5.0

Digital zoom

[Digital zoom 5.0X]   [TELE zoom]   [WIDE zoom]

《32》
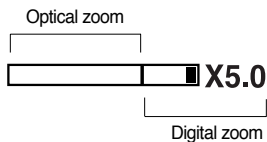
ZOOM W/ T button

INFORMATION

● 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 movie clip shots.
● If the Zoom buttons are being pressed during the Movie clip shots, the voice will not recorded.
● You may notice a decrease in image quality when using the digital zoom.
● To view more clear digital zoom image, press the shutter button halfway at the maximum (3X) optical zoom position and press the zoom T button again.
● The digital zoom can't be activated in the [Night], [Children], [Close up], [Text] and [Fireworks] scene modes.
● Take care not to press the lens, lens cover and camera by force. This may cause the camera malfunction.

Voice recording(⊙⊙) / Voice memo(🎤) / UP button

■ While the menu is showing, press the UP button to move up the submenu cursor. When the menu is not displayed on the LCD monitor, the UP button operates as the voice recording (⊙⊙) or voice memo (🎤) button. You can record your voice or add your voice-over to a stored still image.Refer to page 29 for more information about the voice recording.

● Recording a voice memo
1. Press the M (Mode) button to select a Recording mode with the exception of Movie clip mode.
2. Press the Voice memo (🎤) button. If the voice memo indicator is displayed on the LCD monitor, the setting is completed.

Pressing the Voice memo button
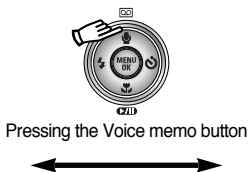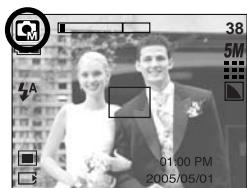
3. Press the shutter button and take a picture.
   The picture is stored on the memory.
4. Voice memo will be recorded for ten seconds from the moment the picture is stored. In the middle of the voice recording, pressing the shutter button will stop the voice memo.

[Recording Voice Memo]

INFORMATION

● A distance of 40cm between you and the camera (microphone) is the best distance to record sound.

Macro(🌷) / Down button

■ While the menu is showing, press the DOWN button to move from the main menu to a submenu, or to move down the submenu cursor. When the menu is not showing, you can use the MACRO/ DOWN button to take macro pictures. The distance ranges are shown below. Press the Macro button until the desired macro mode indicator displays on the LCD monitor.
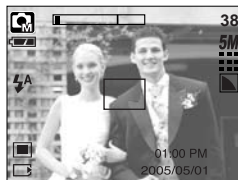
[Auto focus - No icon]

[Auto macro (🌷)]

[Super macro (🌸)]
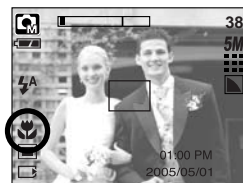
[Macro (🌷)]

■ Types of focus modes and focus ranges (W: Wide, T: Tele)   (Unit : cm)

Mode	Auto (📷)	Manual (📷)		
Focus Type	Auto macro (🌷)	Super macro (🌸)	Macro (🌷)	Normal
Focus range	W : 5 ~ Infinity	W : 1 ~ 5	W : 5 ~ 50	W : 5 ~ Infinity
	T : 50 ~ Infinity	(Wide only)	T : 25 ~ 50	T : 50 ~ Infinity

※ See the next page for the available focusing method, by recording mode.

INFORMATION

● When the macro mode is selected, it is possible that camera shake will occur. Take care not to shake the camera.
● When you take a picture within 30cm(MACRO focus), select the FLASH OFF mode.
● When you take a picture within 5cm, the AF may take a time to get exact focus range.
● The super macro is executed on the wide zoom position only.

Macro(🌷) / Down button (Focusing)

■ Available focusing method, by recording mode (O: Selectable , X: Not selectable, ∞: Infinity focus range)
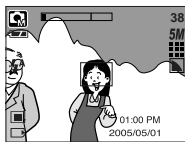
Mode	🎬	📷	📷M	SF
Auto macro	X	O	X	O
Super macro	X	X	O	X
macro	O	X	O	X
Normal	O	X	O	X

Mode	SCENE										
	🌙	🌃	👤	🏔	🌸	T	🕯	🍽	🖼	🎆	📷
Auto macro	X	X	X	X	X	O	X	X	X	X	X
Super macro	X	X	X	X	X	X	X	X	X	X	X
macro	X	X	X	X	O	X	X	X	X	X	X
Normal	O	O	O	∞	X	X	∞	∞	O	∞	O

Focus lock

■ To focus on the subject positioned outside of the centre, use the focus lock function.

● Using the Focus Lock
1. Ensure the subject in the centre of the autofocus frame.
2. Press the SHUTTER button halfway. When the green auto focus frame lights up, it means the camera is focused on the subject. Be careful not to press the SHUTTER button all the way down to avoid taking an unwanted picture.
3. With the SHUTTER button still pressed down only halfway, move the camera to recompose your picture as desired, and then press the SHUTTER button completely to take the picture. If you release your finger from the SHUTTER button, the focus lock function will be cancelled.
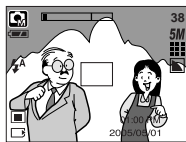
1. The image to be captured.   2. Press the SHUTTER button halfway and focus on the subject.   3. Recompose the picture and fully depress the SHUTTER button.
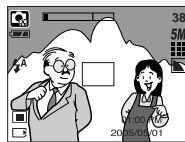
Flash (⚡) / Left button

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

- When the menu is not displayed on the LCD monitor, the LEFT button operates as the FLASH (⚡) button.

● Selecting the flash mode
   1. Press the M (Mode) button to select a Recording mode with the exception of Movie clip mode (p.25).
   2. Press the Flash button until the desired flash mode indicator displays on the LCD monitor.
   3. A flash mode indicator will be displayed on the LCD monitor. Use the correct flash to suit the environment.
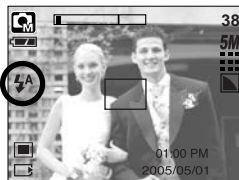
[Selecting the Auto flash]

● Flash range   (Unit : m)

ISO	Auto		Macro		Auto macro	
	WIDE	TELE	WIDE	TELE	WIDE	TELE
Auto	0.5 ~ 2.4	0.5 ~ 1.9	0.2 ~ 0.5	0.3 ~ 0.5	0.2 ~ 2.4	0.5 ~ 1.9

※ If the Super macro is selected, the flash is fixed as the Flash Off.

INFORMATION

- When the flash is charging, a flash mode icon (red colour) will blink on the LCD monitor.
- Using the flash frequently will reduce the life of the batteries.
- Under normal operating conditions the charging time for the flash is normally within 5seconds. If the batteries are weak, the charging time will be longer.
- During the continuous shot and movie clip mode, the flash function will not operate.
- Take photographs within the flash range.
- The image quality is not guaranteed if the subject is too close or highly reflective.

《37》

Flash (⚡) / Left button

● Flash mode indicator

Icon	Flash mode	Description
⚡A	Auto flash	If the subject or background is dark, the camera flash will operate automatically.
👁	Auto & Red eye reduction	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.
⚡	Fill in flash	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.
⚡S	Slow synchro	The flash will operate in conjunction with a slow shutter speed in order to obtain the correct exposure. When you take an image in a condition with poor light, the camera shake warning indicator (((⌀))) will display on the LCD monitor.
🚫⚡	Flash off	The flash does not fire. Select this mode when capturing images in a place or situation where flash photography is prohibited. When you capture an image in a poorly lit condition, the camera shake warning indicator (((⌀))) will display on the LCD monitor.

● Available flash mode, by recording mode

	📹	📷	📷M	🌙	🌑	👤	🏔	🌷	📄	🍽	🎆	🖼	✨	🎞
⚡A	X	X	O	X	X	X	X	X	X	X	X	X	X	O
👁	X	O	O	X	O	O	X	X	X	X	X	X	X	X
⚡	X	X	O	X	X	X	X	X	X	X	X	O	X	X
⚡S	X	X	O	O	X	X	X	X	X	X	X	X	X	X
🚫⚡	O	O	O	O	O	O	O	O	O	O	O	X	O	X

Self-timer (⟳) / Right button

■ When the menu is displayed on the LCD monitor, pressing the Right button makes the cursor shift to the right tab. The right button can also be used to move to a sub menu to select a different setting. When the menu is not displayed on the LCD monitor, the RIGHT button operates as the Self-timer. This function is used when the photographer would also like to be in the image.

● Using the self-timer
  1. Press the M (Mode) button to select a still image mode or movie clip mode (p.25).
  2. Press the Self-timer button until the desired mode indicator displays on the LCD monitor. In Movie clip mode, only the 10 Sec. self-timer can be used.
     - 2 Sec. Self-timer(⟳^{2s}) : Pressing the shutter button will allow an interval of 2 seconds before the image is taken.
     - 10 Sec. Self-timer(⟳) : Pressing the shutter button will allow an interval of 10 seconds before the image is taken.
     - Double Self-timer(⟳$^{©}$) : A picture will be taken after about 10 seconds and 2 seconds later a second picture will be taken. When using the flash, the 2-second self-timer may be delayed for longer than 2 seconds depending on the flash charge time.

[Pressing the Self-timer button]

[2 Sec. self-timer]

[Pressing the Self-timer]

[Double self-timer]

[10 Sec. self-timer]
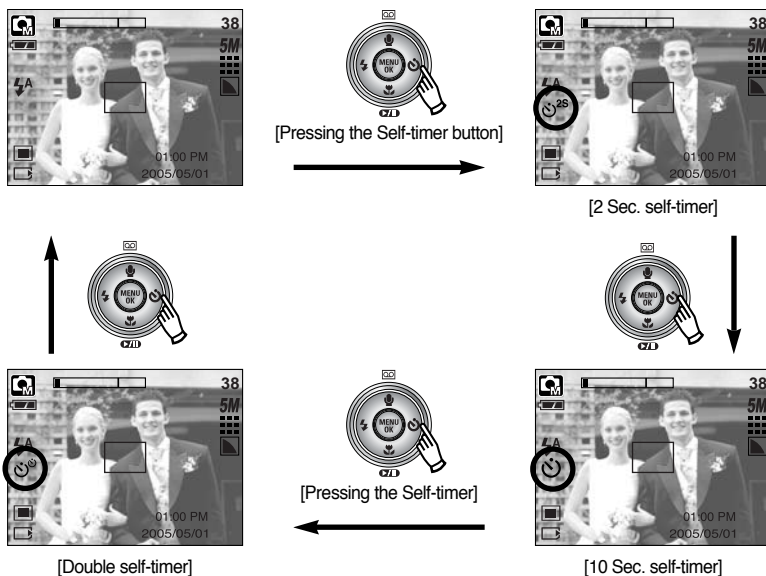
  3. When you press the Shutter button, the picture will be taken after the specified time has elapsed.
 ※ If you operate the Power button and Self-timer button during the self-timer operation, the self-timer function is cancelled.
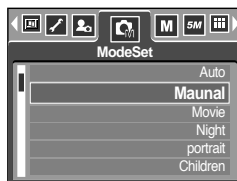
MENU/ OK button

■ 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 :
  MOVIE CLIP and STILL IMAGE mode. There is no menu available when the VOICE RECORDING mode is selected.
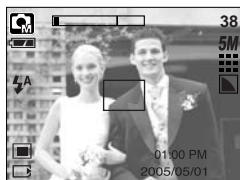
[Menu off]

[Pressing the MENU button]

ModeSet
Auto
Maunal
Movie
Night
portrait
Children

[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 for confirming data.
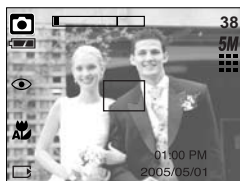
M (Mode) button

■ You can turn on the camera with this button.

■ You can select the desired recording mode.

The selectable recording modes are different from what you selected sub menu in the [Mode] menu.
- [Still & Movie]   : A recording mode selected in the [Mode set] menu, Movie clip mode
- [Full]   : Auto, Movie clip, Manual, Scene modes

● How to use the mode button : In case of [Still & Movie] and [Auto] sub menu

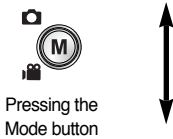[Auto mode]

[Pressing the M button]

[Movie clip mode]

M (Mode) button

● How to use the mode button : In case of [Full] sub menu and Auto mode
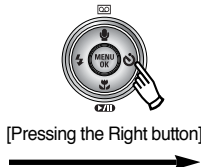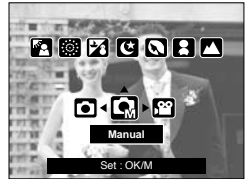

[Auto mode]

Pressing the
Mode button

[Pressing the Right button]

[Manual mode]
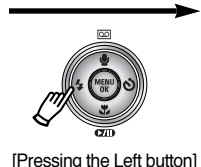
[Mode selection menu]

[Pressing the Left button]

[Movie clip mode]

Pressing the Up button

[Pressing the Left/Right button]

[Scene mode]

[Selecting a scene mode]

AUTO
Set : OK/M

Manual
Set : OK/M

Movie
Set : OK/M

Night
Set : OK/M

Portrait
Set : OK/M
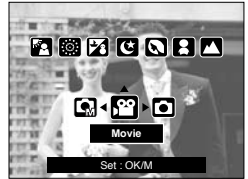
※ Press the Mode button and the mode selection menu will disappear.

SF button

■ Pressing the SF button selects the SF(Safety Flash) mode
  In poor indoor light conditions, Safety Flash will help you get a good image without the use of
  a flash.

● Things to watch out for using the SF mode
  1. If you select the SF in the 2048 or above image size, the captured image size is changed
     to 1600.
  2. The SF range is 2m(WIDE) and 1.5m(TELE).
  3. The digital zoom will not operate in the SF mode.
  4. If the lighting conditions are brighter than fluorescent lighting condition, the SF doesn't
     activate.
  5. If the lighting condition is darker than in fluorescent
     lighting condition,[SF OFF] message and camera shake
     warning indicator (〔ʷ〕) will display.
     If you press the shutter button in this condition, the SF
     will not activate.
  6. If the subject is moving the final image captured may be
     blurred.
  7. As the SF uses the camera's digital processor, images
     taken using the SF may take a little longer for the camera to process.

+/- button

- You can use the +/- button to adjust the values for the RGB, ISO, white balance, exposure compensation and Long Time shutter speed.

- When the SF is selected, ISO value is fixed as AUTO and Exposure value is fixed as 0.0EV.

| Main menu	Sub menu	Available camera mode
RGB	R (Red), G (Green), B (Blue)	📷 🎥
ISO	AUTO, 100, 200, 400	📷
WHITE BALANCE	AUTO, DAYLIGHT, CLOUDY, FLUORESCENT H, FLUORESCENT L, TUNGSTEN, CUSTOM.	📷 🎥
Exposure compensation	-2.0 ~ 0.0 ~ +2.0 (0.5EV steps)	📷 🎥
LT	Shutter speed / Aperture Value (Changed by zoom rate)	🌙

- RGB : Allows the user to adjust the R (Red), G (Green), and B (Blue) values of the images to be captured.

● Setting RGB Values
  1. Press the +/- button, and then use the UP and DOWN buttons to select the RGB icon (RGB).
     The RGB menu bar will appear as shown.
  2. Use the UP/ DOWN/ LEFT and RIGHT buttons to select the desired RGB value.
     - Up/Down Button : Navigates between R, G, and B icons.
     - Left/Right Button : Changes value of each icon.
  3. When you press the +/- button again, the value you set will be saved and RGB setup mode will end.

《43》
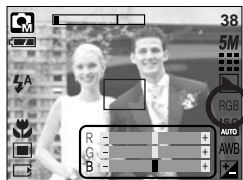
+/- button

- ISO : You can select the ISO sensitivity when taking pictures.
    The speed or specific light-sensitivity of a camera is rated by ISO numbers.

- Selecting an ISO Sensitivity
    1. Press the +/- button, and then use the UP and DOWN buttons to select the ISO icon(ISO AUTO). The ISO menu bar will appear as shown.
    2. Use the LEFT and RIGHT buttons to select the desired ISO sensitivity value.
        - AUTO : The camera's sensitivity is automatically changed by variables such as lighting value or subject brightness.
   - 100, 200, 400 : You can increase the shutter speed while the same amount of light is present, by increasing the ISO sensitivity. However, the image may be saturated in high luminance. The higher the ISO value, the higher the camera's sensitivity to light is and therefore the greater its capacity to take pictures in dark conditions. However, the noise level in the image will increase as the ISO value increases, making the image appear coarse.
    3. When you press the +/- button again, the value you set will be saved and ISO setup mode will end.

- White balance : The white balance control allows you to adjust the colours to appear more natural looking.

- Selecting a White Balance
    1. Press the +/- button, and then use the UP and DOWN buttons to select the white balance icon (AWB). The white balance menu bar will appear as shown.
    2. Use the LEFT and RIGHT buttons to set the white balance to the desired value. The value you set will be displayed on the LCD monitor.
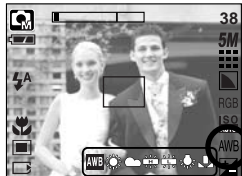
    AUTO   AWB : The camera automatically selects the appropriate white balance settings, depending on the prevailing lighting conditions.

    DAYLIGHT   ☼   : For taking images outside.

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

    Fluorescent H ⇌ : For shooting under daylight fluorescent types of three-way fluorescent lighting.

    Fluorescent L ⇌ : Shooting under white fluorescent lighting.

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

    CUSTOM   ◣   : Allows the user to set the white balance according to the shooting condition.

    Different lighting conditions may cause a colour cast on your images.
    3. Press the +/- button again. The value you set will be saved and White Balance setup mode will end.

《44》

+/- button

● Using the Custom White Balance
 White balance settings may vary slightly depending on the shooting environment.
 You can select the most appropriate white balance setting for a given shooting environment
 by setting up the custom white balance.

 1. Select the CUSTOM (▃■▃) menu of the White
  Balance.
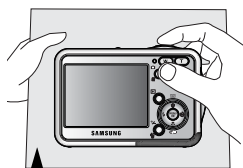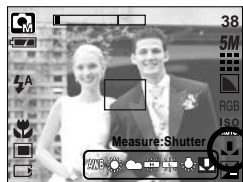 2. Place a sheet of white paper in front of the camera so
  that the LCD monitor shows only white, and then press
  the SHUTTER button.
 3. Your custom white balance value is stored.
  - The custom white balance value will be applied,
   starting with the next picture you take.
  - The user configured white balance will be remain
   effective until it is overwritten.

[White paper]

■ Exposure compensation : This camera automatically adjusts the exposure according to the
            ambient lighting conditions.
            You can also select the exposure value by using the +/- button.

● Compensating Exposure
 1. Press the +/- button, and then use the UP and DOWN
  buttons to select the exposure compensation icon
  (🔁). The exposure compensation menu bar will
  appear as shown.
 2. Use the LEFT and RIGHT buttons to set the desired
  exposure compensation factor.
 3. Press the +/- button again. The value you set will be
  saved and the Exposure Compensation setup mode will
  close. If you change the exposure value, the exposure indicator (🔁) will be displayed
  on the bottom of the LCD monitor.
 ※ A negative exposure compensation value reduces the exposure.
  Note that a positive exposure compensation value increases the exposure and the LCD
  monitor will appear white or you may not get good pictures.
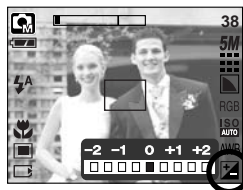
《45》

+/- button

- Long Time shutter : This camera automatically adjusts the shutter speed and aperture values to the shooting environment. However, in NIGHT SCENE mode, you can set the shutter speed and aperture values to your preference.

- Adjusting the shutter speed and aperture values
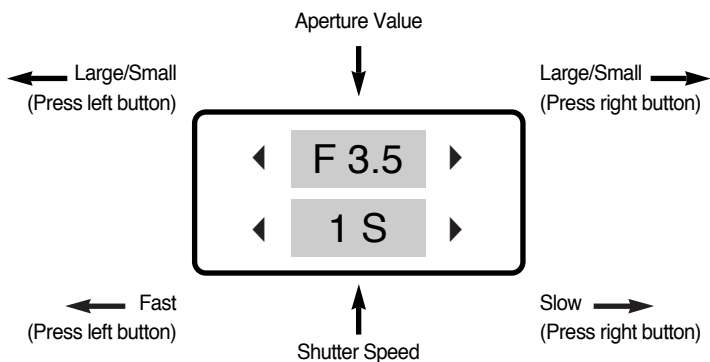 1. Select the [Night] scene mode.
     (M button → [Scene] → [Night])
  2. Press +/- button and Long Time shutter menu
     (LT, For selecting shutter speed and aperture value) will
     be displayed.
  3. Configure the Long Time shutter value with the up/ down/
     left/ right button.
     Up/ Down Button : Select the Aperture / Shutter speed
     Left/ Right Button : Change the value. Available aperture value options, depending on zoom step will be displayed on the menu.
  4. Press the +/- button again. The value you set will be saved and the mode will switch to NIGHT SCENE mode. Press the SHUTTER button to take the picture.

- Aperture values and shutter speeds changed by zoom scale are listed below.
  Supported Aperture Values : AUTO, WIDE : F3.5 ~ F6.3, TELE : F4.5 ~ F8.0
  Supported Shutter Speeds : AUTO, 1 ~ 16S

Aperture Value

◄—— Large/Small   Large/Small ——►
(Press left button)   (Press right button)

◄ F 3.5 ▶

◄ 1 S ▶

◄—— Fast   Slow ——►
(Press left button)   (Press right button)

Shutter Speed

《46》

Using the LCD monitor to adjust the camera settings

■ You can use the menu on the LCD monitor to set up recording functions. In any mode with the exception of VOICE RECORDING mode, pressing the MENU button displays the menu on the LCD monitor.

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 there is no battery capacity.

■ The following functions are available, depending on the mode you have selected.
The items indicated by   are default settings.

Menu tab	Main menu	Sub menu		Camera working mode	Page
M	Mode	Still & Movie		🔲 📷 📸 🎬 🌙 🔲 🔲 🔲 🔲 🔲 🔲 🔲 🔲 🔲 🔲 🔲	p.49
		Full			
⬛	Mode set	Auto	Manual	🔲 📷 📸 🎬 🌙 🔲 🔲 🔲 🔲 🔲 🔲 🔲 🔲 🔲 🔲 🔲	p.50
		Movie	Night		
		Portrait	Children		
		Landscape	Close up		
		Text	Sunset		
		Dawn	Backlight		
		Firework	Beach & Snow		
5M	Size (Still image)	2592X1944	2272X1704	🔲 📷 📸 🎬 🌙 🔲 🔲 🔲 🔲 🔲 🔲 🔲 🔲 🔲 🔲 🔲	p.51
		2048X1536	1600X1200		
		1024X768	640X480		
640	Size (Movie)	640X480	320X240	🎬	p.51
		160X128	-		
⊞	Quality	S.Fine	Fine	🔲 📷 📸 🎬 🌙 🔲 🔲 🔲 🔲 🔲 🔲 🔲 🔲 🔲 🔲 🔲	p.52
		Normal	-		

Using the LCD monitor to adjust the camera settings

Menu tab	Main menu	Sub menu		Camera working mode	Page
🖼️30	Frame Rate	30fps	15fps	📷	p.52
◼️	Metering	Multi	Spot	📷 📷 📷	p.53
⬜	Shooting	Single	Continuous	📷	p.53
🔲	Sharpness	Soft	Normal	📷	p.54
		Vivid	-		
🔳	OSD Information	Full OSD	Basic OSD	📷 📷 📷 📷 📷 📷 📷 📷 📷 📷 📷 📷 📷 📷 📷 📷 📷	p.54
		LCD SAVE	-		
NOR	Effect	Normal	Red	📷 📷	p.55
		B&W	Green		
		Sepia	Blue		
		Negative	-		
🔲	Highlight	Off	Range 1 ~ 4	📷	p.56
	Composite	Off	2~4 Parts	📷	p.58
		Pano. 2 Parts	-		
	Photo Frame	Off	Frame 1 ~ 9	📷	p.60
⚙️	Stabilizer	Off	On	📷	p.61

※ Menus are subject to change without prior notice.

How to use the menu

1. Turn on the camera and press the MENU button. A menu for each camera mode appears. However, there is no menu for Voice Recording mode (🔲).
2. Use the LEFT and RIGHT buttons to navigate through the menus.

Press the LEFT or RIGHT button.

Press the LEFT or RIGHT button.

3. Use the UP and DOWN buttons to select a sub menu.

Press the UP or DOWN button.

Press the UP or DOWN button.
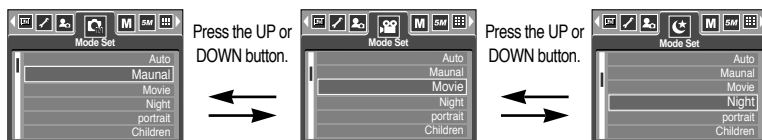
4. Select a sub menu, and then the value you set will be saved. Press the MENU button and the menu will disappear.

Mode

■ You can select the desired working mode by the M(mode) button located on the back of the camera and [Mode] menu. Auto, manual, movie clip, scene (night, portrait, children, landscape, text recognition, close-up, sunset, dawn, backlight, fireworks, beach & snow) camera modes are available.

- [Still & Movie] : A still image mode that was selected on the [Mode set] menu and movie clip mode can be selected.
- [Full] : Auto, Manual, Movie clip and scene modes can be selected.

Mode Set

■ You can select the desired recording mode.

[Auto] : For shooting basic still image

[Manual] : You can still manually configure all functions except the aperture value and shutter speed.

[Movie] : For taking a movie clip

[Night] : Use this for shooting still images at night or in other dark conditions.

[Portrait] : To take a picture of a person.

[Children] : To take a still picture of moving children.

[Landscape] : Scenery with green woods or blue sky.

[Close up] : Close-up shooting for small objects such as plants and insects.

[Text] : Use this mode to shoot a document.

[Sunset] : For taking pictures of sunsets.

[Dawn] : Daybreak scenes.

[Backlight] : Portrait without shadows caused by backlight.

[Firework] : Firework scenes.

[Beach & Snow] : For ocean, lake, beach and snowscape scenes.

INFORMATION

● When [Night], [Close up], [Sunset], [Dawn] and [Firework] scene mode are selected, it is possible that camera shake will occur. In this case, take care of the camera shaking.

Size

■ You can select the image size appropriate for your application.

Mode	STILL IMAGE mode						MOVIE CLIP mode		
Icon	5M	4M	3M	2M	1M	VGA	640	320	160
Size	2592X1944	2272X1704	2048X1536	1600X1200	1024X768	640X480	640X480	320X240	160X128

```
 ◀ 🔊 📷 M  5M  ⊞ ▣ ▢ ▶
          Size
        2592 X 1944
        2272 X 1704
        2048 X 1536
        1600 X 1200
        1024 X 700
         640 X 480
```
[STILL IMAGE mode]
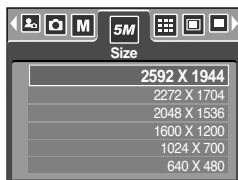
```
 ◀ 🔊 🎬 M  6:40  🔧 ▣ ▢ ▶
          Size
         640 X 480
         320 X 240
         160 X 128
```
[MOVIE CLIP mode]

INFORMATION

● The higher the resolution, the lower the number of available shots will be because high resolution images require more memory than lower resolution images.

Quality / Frame rate

■ You can select the compression ratio appropriate for your application of the captured images.
The higher the compression ratio, the lower the picture quality.

Mode	STILL IMAGE mode			MOVIE CLIP mode	
Icon	▦	⠿	⠙	🎬30	🎬15
Sub menu	S. Fine	Fine	Normal	30FPS	15FPS
File Format	jpeg	jpeg	jpeg	avi	avi
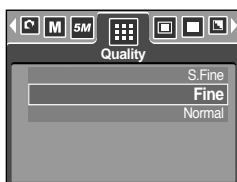
[STILL IMAGE mode]
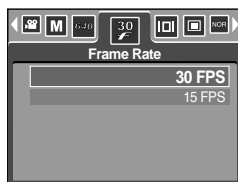
[MOVIE CLIP mode]

INFORMATION

● S. Fine is the highest quality and Normal is the lowest setting.
Choose the setting appropriate for your needs.
● This file format complies with the DCF(Design rule for Camera File system).
● JPEG (Joint Photographic Experts Group) :
JPEG is the image compression standard developed by the Joint Photographic Experts
Group. This type of compression is most commonly used for compressing photos and
graphics because it can compress the files efficiently without damaging the data.

Metering

■ If you cannot obtain suitable exposure conditions, you can change the metering method to take brighter pictures.

[Multi] (▣) : Exposure will be calculated based on an average of the available light in the image area. However, the calculation will be biased towards the centre of the image area. This is suitable for general use.

[Spot] (▣) : Only the rectangular area in the centre of the LCD monitor will be metered for light. This is suitable when the subject in the centre is exposed correctly, regardless of the back lighting.

Metering
Multi
Spot
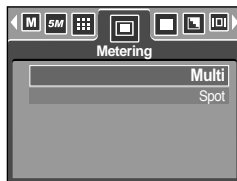
[STILL IMAGE mode]

INFORMATION

● The default metering mode is Multi pattern metering.
● If the subject is not the centre of the focus area, do not use the spot metering as this may result in an exposure error. In this circumstance, It is better to use exposure compensation.

Continuous shot

■ Select the number of pictures in continuous shooting.

[Single] : Take one picture only
[Continuous] : Images will be taken continuously until the shutter button is released. The shooting capacity depends on the memory.

※ High resolution and picture quality increases file saving time, which increases stand-by time.
※ If the [Continuous] sub menu is selected, the flash will be off automatically.

Shooting
Single
Continuous
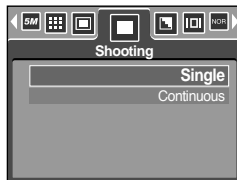
[MANUAL mode]

Sharpness

■ You can adjust the sharpness of the picture you want to take.
You cannot check the sharpness effect on the LCD monitor
before you take a picture, because this function is applied
only when the captured image is stored on the memory.

Sharpness
Soft
Normal
Vivid
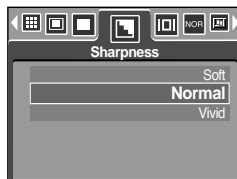
Sub menu	Icon	Description
Soft		The edges of the image are softened. This effect is suitable for editing images on your PC.
Normal		The edges of the image are sharp. This is suitable for printing.
Vivid		The edges of the image are emphasized. The edges will appear sharp, but noise may occur in the recorded image.

OSD information

■ In any mode with the exception of VOICE RECORDING
mode, you can check the recording status in the LCD monitor.

■ Idle mode : If you select the [Save Mode] and the camera isn't
operated during the specified time(about 30
SEC.), the camera power will be idle (LCD
monitor : OFF, Camera status lamp : Blinking)
automatically.

OSD Infomation
Full OSD
Basic OSD
Save Mode
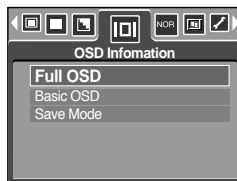
- To use the camera again, press any of the camera buttons except the power button.
- If there is no operation during the specified time, the camera power will be turned off
automatically to save battery life. Refer to page 96 for more information about the auto
power off function.

38		38		38
5M				*5M*
Full Inf. Mode		**Basic Inf. Mode**		**Save Mode**
01:00 PM 2005/05/01				01:00 PM 2005/05/01
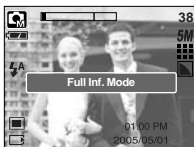
[Full information mode]   [Basic information mode]   [Power save mode]

Effect

■ By using the camera's digital processor, it is possible to add special effects to your images.
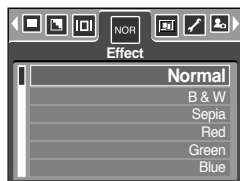
[MANUAL mode]
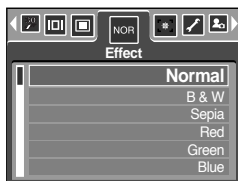
[MOVIE CLIP mode]

[Normal]   : No effect is added to the image.
[B & W]   : Converts the image to black and white.
[Sepia]   : Captured images will be stored in a sepia tone
              (a gradient of yellowish brown colours).
[Red]   : Captured images will be stored in a red tone.
[Green]   : Captured images will be stored in a green tone.
[Blue]   : Captured images will be stored in a blue tone.
[Negative] : Save the image in negative mode.

《55》

Special Effect

■ By using the camera's digital processor, it is possible to add special effects to your images. You can select this menu only in the MANUAL mode.

■ You can select the preset focus frame, Composite shooting and Photo frame function. If a special effect is selected, the rest special functions set before are cancelled automatically.

■ Even if the camera is turned off, the special effect setting will be preserved. To cancel the special effect, select the [Off] sub menu of each menu.

■ The digital zoom function will not activate in the special effect menu.

■ Date & Time information will not be displayed on the LCD monitor in the special effect menu.

Special Effect : Preset focus frames

■ You can make the subject stand out from its surroundings. The subject will be sharp and in focus while making the rest out of focus.

1. Select the MANUAL mode, and press the menu button.
2. Press the LEFT/ RIGHT button and select the [Special Effect] menu tab.
3. Select the [HighLight] menu by pressing the UP/ DOWN button and press the Right button.
4. Select a desired sub menu by pressing the UP/ DOWN button and press the OK button.
   - [Off] : The preset focus frame will not be added.
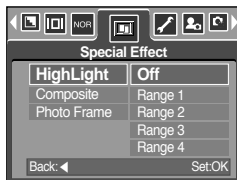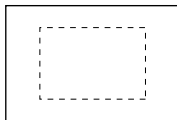
[Range 1]   [Range 2]   [Range 3]   [Range 4]
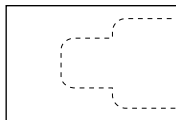
5. Press the menu button twice and the menu will disappear. If you select the [Range 1 ~ 4] menu, the preset focus frame area will appear.

Special Effect : Preset focus frames

● Moving and changing the focus frame
  You can change the focus frame after selecting a Range menu.
  1. Point the camera towards the subject and compose the image by using the LCD monitor.
  2. Press the +/- button.
  3. The colour of focus frame turns white. Press the Up/Down/Left/Right button to moves the focus frame position.
  4. To select the focus frame position, press the +/- button again and you can take a picture.
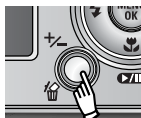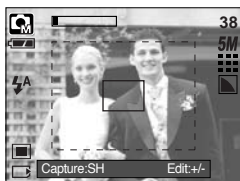
Pressing the +/- button
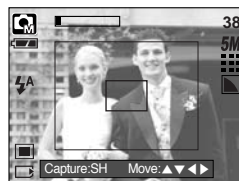
[The frame is activated]

Pressing the Up/Down/Left/Right button
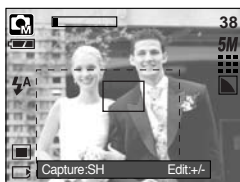
Pressing the +/- button
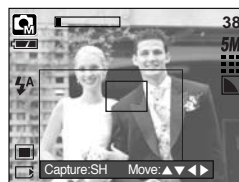
[After changing the frame position]

Special Effect : Composite shooting

■ You can combine 2 ~ 4 different shots in a still image.

1. Select the MANUAL mode, and press the menu button.
2. Press the LEFT/ RIGHT button and select the [Special Effect] menu tab.
3. Select the [Composite] menu by pressing the UP/ DOWN button and press the Right button.
4. Select a desired sub menu by pressing the UP/ DOWN button and press the OK button.


```
                                    Special Effect
HighLight        Off
Composite        2 Parts
Photo Frame      3 Parts
                 4 Parts
                 PANO.2 Part
Back: ◀                         Set:OK
```

  - [Off] : cancels the composite shooting
  - [2 Parts] : 2 different shots are combined in a still image.
  - [3 Parts] : 3 different shots are combined in a still image.
  - [4 Parts] : 4 different shots are combined in a still image.
  - [Pano. 2 Parts] : 2 different panorama shots are combined in a still image.
5. Press the menu button twice and the menu will disappear.
6. The number of frames you selected in step 4 is displayed on the LCD monitor.
   Press the shutter button to start the composite shooting

※ Selecting 2 composite shooting

| [Ready for taking] | Pressing the shutter button | [First shot] | Pressing the shutter button | [Second shot] | Pressing the OK button | [The result image] |

7. To save the composite shots, press the OK button after taking the last shot.

※ You can use the flash button, self-timer button, macro button, voice memo button and the Zoom W/T button during the composite shooting.
※ If you press the camera buttons (SF button, Play mode button and M button) during the composite shots, each mode of the camera buttons is executed.
※ If you press the Menu button during the composite shots, a window will display. Select the submenu value by pressing the Up/Down button and then press the OK button.


```
                        38
                        5M

        Menu?
        Menu
        Cancel
        Confirm:OK

Capture:SH        Del:+/-
```
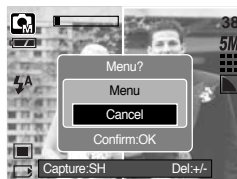
   [Menu] : A menu will display. After confirming a menu, a camera mode used before will be executed.
   [Cancel] : Turns to the previous capture mode.
※ The voice memo will start after taking the last composite shooting.
※ You can' t select the Voice recording mode during the composite shots.

Special Effect : Composite shooting

● Changing a part of composite shot before taking the last shot
Before taking the last composite shot, you can change a part of composite shot.
  1. During the composite shots, press the +/- button.
  2. A previous image will be deleted and new frame will display. If there is an image taken
     before, press the +/- button again and a previous image will be deleted again.

Pressing the +/- button
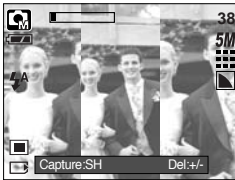
[Before taking the 3rd shot]

[Moving backward to the 2nd shot]

  3. Press the shutter button to capture a new image.

● Changing a part of composite shot after taking the last shot
After taking the last composite shot, you can change a part of composite shot.
  1. After taking the last shot , a cursor to select a frame will display. Press the
     Up/Down/Left/Right button to select the frame.
  2. Press the +/- button and an image will be deleted. Composite frame will be activated.
  3. Press the Shutter button. You can take another images again by using the
     Up/Down/Left/Right button and +/- button.
  4. Press the OK button again to save the captured image.

After taking the 4th shot

Pressing the Up button

Moving backward to the 2nd shot

Pressing the +/- button

Deleting the 2nd shot

Pressing the Shutter button.

A stored image

Pressing the OK button

After taking the 2nd shot again

Special Effect : Photo Frame

■ You can add 9 types of frame-like borders to a still image you want to capture.

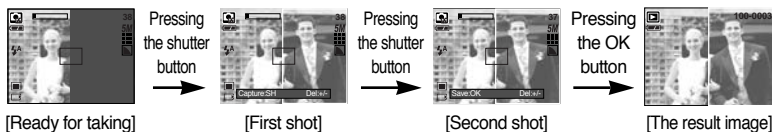■ Date & Time information will not be printed on the stored image taken with [Photo Frame] menu.

1. Select the MANUAL mode, and press the menu button.
2. Press the LEFT/ RIGHT button and select the [Special Effect] menu tab.
3. Select the [Photo Frame] menu by pressing the UP/ DOWN button and press the Right button.
4. Select a desired sub menu by pressing the UP/ DOWN button and press the OK button.
   - [Off] : The photo frame will not be added.

Special Effect	
HighLight	**Off**
Composite	Frame1
Photo Frame	Frame2
	Frame3
	Frame4
Back:◄	Set:OK
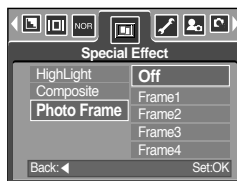
[Frame 1]

[Frame 2]

[Frame 3]

[Frame 4]

[Frame 5]

[Frame 6]

[Frame 7]

[Frame 8]
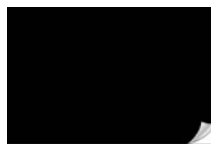
[Frame 9]

5. Press the menu button twice and the menu will disappear. If you select the [Frame 1 ~ 9] menu, the selected photo frame will appear.

Movie Clip frame stabiliser

- This function helps stabilize images captured during movie recording.
  You can select this menu only in the MOVIE CLIP mode.

- How to use this function
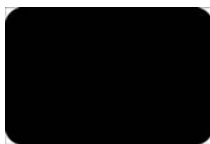 1. Select the MOVIE CLIP mode by pressing the M (Mode) button and press the menu button. Press the Left/Right button to select the [Stabilizer] menu.
  2. Select a desired sub menu by pressing the Up/Down button and press the OK button.
     - [Off] : Movie clip frame stabilizer function becomes disabled.
     - [On]   : Prevents camera shake during movie recording. The recording frame range will become narrower than when you select the [Off] menu. Pre-view frames may not display smoothly on the LCD monitor.
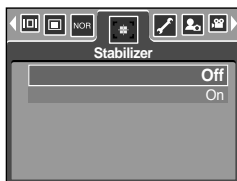
INFORMATION

- When you select the [On] sub menu, the movie clip frame range will be narrow depending on the movie clip size.

Starting play mode

- Turn the camera on and select Play mode by pressing the play mode button (▶).
  The camera can now play back the images stored in the memory.

- You can set up the PLAY mode function by using the camera buttons and LCD monitor.

- If the memory card is inserted in the camera, all the camera functions apply only to the memory card.

- If the memory card is not inserted in the camera, all the camera functions apply only to the internal memory.

● 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.
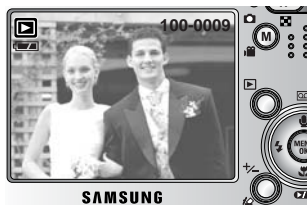
  3. Select an image that you want to view by pressing the LEFT / RIGHT button.

     ※ Press and hold the LEFT or RIGHT button to play back the images quickly.

INFORMATION

● Manner mode : Pressing the power button for more than 3 seconds changes the buzzer and start-up sound setting to OFF, even though you may have set these to ON.

Starting play mode

● Playing back a movie clip
  Steps from 1-2 are the same as those to play back a still
  image.
  3. Select the recorded movie clip that you want to play back
     by using the LEFT/RIGHT button. If you select a movie
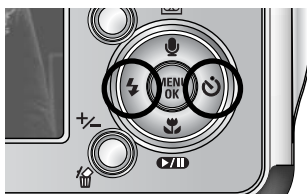   clip, the movie clip indicator ( ) will be displayed on
     the LCD monitor.
  4. Press the play & pause button ( ) to play back a
     movie clip file.
     - To pause a movie clip file while playing it back, press
       the play & pause button again.
     - Pressing the play & pause button again will cause the
       movie clip file will restart.
     - To rewind the movie clip while it is playing, press the
       LEFT button. To fast forward the movie clip, press the RIGHT button.
     - To stop playback of the movie clip, press the play & pause button, and then press the
       LEFT or RIGHT button.
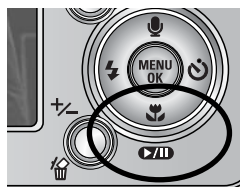
■ Movie clip capture function : capture still images from the movie clip.

● How to capture the movie clip
  Steps 1-2 are the same as those for playing back a still
  image.
  3. Select the recorded movie clip that you want to play
     back by using the LEFT/RIGHT button.
  4. Press the Play/Pause button to play the movie clip
  5. Press the Play/Pause button while playing the movie
     clip. Then press the Shutter button.
  6. The paused movie clip is saved in a new file name.
  ※ The captured movie clip file has same size as the
    original movie clip (640X480, 320X240, 160X128).
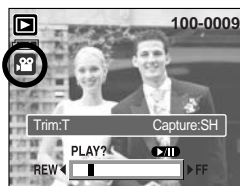
[Paused]
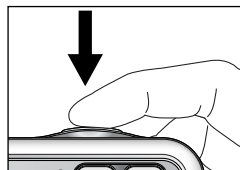
[Press the shutter button]

Starting play mode

■ On camera movie trimming : You can extract desired frames of movie clip during the movie clip play back.

● If the running time is under 10 seconds, the movie clip can't be trimmed.
  1. Select a desired movie clip in the play mode.
  2. Play back the movie clip by pressing the Play & Pause button.
  3. Press the Pause button at the point of the movie clip that you want to start extracting.
  4. Press the T button. (The start point doesn't display on the status bar, but the start point will be marked.)
  5. Press the Play & Pause button and the extracted range will be displayed on the status bar.
  6. Press the Play & Pause button once more at the point where you wish the extracted file to stop.
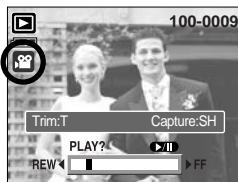
  7. Press the T button and a confirmation window will display.

  8. Select a desired sub menu by pressing the UP/ DOWN button and press the OK button.
     [Trimming] : The extracted frames are saved as a new file name.
     [Cancel] : The movie trimming will cancel.

INFORMATION

● If you want to extract the movie clip at the beginning of the frame, press the Zoom T button before starting the movie clip. (The start point doesn't display on the status bar, but the start point is selected.)
● If the time line bar passes by the start point by pressing the REW(Left) button, the first frame of the movie clip will display.
● If you doesn't specify the ending point of the movie clip, the trimming confirmation window will display at the point of the last frame.

Starting play mode

● Playing back a recorded voice

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

3. 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.

4. Press the play & pause button ( ) to play back a recorded voice file.

   - To pause a recorded voice file, while playing it back, press the play & pause button again.
   - To resume playback of the voice file, press the play & pause button.
   - To rewind the voice file while it is playing, press the LEFT button.
     To fast forward the voice file, press the RIGHT button.
   - To stop playback of the voice file, press the play & pause button, and then press the LEFT or RIGHT button.

LCD monitor indicator

■ The LCD monitor displays information about the shooting conditions.

No.	Description	Icon	Page
1	Play mode	▣	-
2	Battery	◧ ◨ ▢	p.18
3	File Type	▣ ▣	-
4	Voice memo	♪	p.69
5	Protect indicator	⊶	p.81
6	DPOF indicator	▯	p.85
7	Folder name and Stored image number	100-0009	-
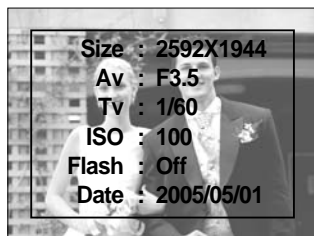
Size	: 2592X1944	Size
Av	: F3.5	Aperture value
Tv	: 1/60	Shutter speed
ISO	: 100	ISO sensitivity
Flash	: Off	Whether or not the flash is used
Date	: 2005/05/01	Recording date

Using the camera buttons to adjust the camera

■ In Play mode, you can use the buttons on the camera to conveniently set up the Play mode functions.

Play mode button

■ If you have turned on the camera by pressing the POWER button, you can press the PLAY MODE button once to switch to Play mode and press it (Under 1 Sec.) again to switch to Recording mode.

■ You can turn the power on with the play mode button. The camera is turned on in play mode. Press the play mode button (Under 1 Sec.) again to turn off the camera.

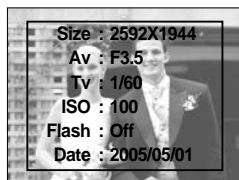■ Pressing the Play mode button for over 1 Sec., you can check the recording information.

[Play mode display]

Pressing for over 1 Sec.

Pressing under 1 Sec.

| Size : 2592X1944 |
| Av : F3.5 |
| Tv : 1/60 |
| ISO : 100 |
| Flash : Off |
| Date : 2005/05/01 |

[Recording information]

Thumbnail(▦) / Enlargement(◌) button

■ You can view multiple pictures, enlarge a selected picture, and crop and save a selected area of an image.

● Thumbnail display
  1. While an image is displayed full screen, press the thumbnail button.
  2. The thumbnail display will highlight the image that had been showing at the time the thumbnail mode was selected.
  3. Press the 5 function button to move to a desired image.
  4. To view an image separately, press the enlargement button.

W   **T**

100-0009
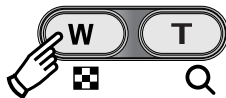
Pressing the thumbnail
button (▦)

Pressing the enlargement
button (◌)

Highlighted image

1	2	3
4	5	6
7		9

[Normal display mode]
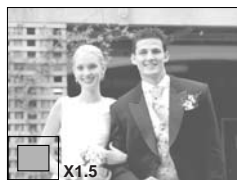
[Thumbnail display mode]

● Image enlargement
  1. Select an image that you want to enlarge and press the enlargement button.
  2. Different parts of the image can be viewed by pressing the 5 function button.
  3. Pressing the thumbnail button will zoom back to the original full sized image.
     - You can tell whether the image displayed is an enlarged view by checking the image enlargement indicator shown at the bottom left of the LCD monitor. (If the image is not an enlarged view, the indicator will not be displayed.) You can also check the area of enlargement.
     - Movie clips and WAV files can't be enlarged.
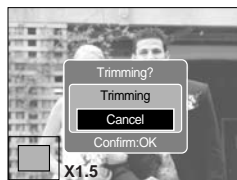   - If an image is enlarged, a loss of quality may occur.

W   **T**

X1.5

Thumbnail( ) / Enlargement( ) button

● The maximum enlargement rate in proportion to the image size.

Image size	2592	2272	2048	1600	1024	640
Maximum enlargement rate	X10.1	X8.8	X8.0	X6.2	X4.0	X2.5

● Trimming : You can extract part of the image that you want and save it separately.
   1. Select an image that you want to enlarge and press the enlargement button.
   2. Different parts of the image can be viewed by pressing the 5 function button.
   3. Press the MENU button and a message will be displayed as shown alongside.
   4. Select a desired sub menu by pressing the UP/ DOWN button and press the OK button.
      - [Trimming] : The trimmed image will save as a new file name, and display on the LCD monitor.
      - [Cancel]   : The trimming menu will disappear.

   ※ If there is little memory space to save the trimmed image, the image can't be trimmed.
   ※ To delete the enlarged image during the trimming function, press the delete button.

Voice (🎤) memo / Up button

■ When the menu is displayed on the LCD monitor, pressing the UP button makes the menu cursor move up.

■ 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.

● Adding a Voice Memo to a Still Image
   1. Press the LEFT/ RIGHT button to select an image that you wish to add sound to.
   2. Press the voice memo button (🎤) and the voice memo indicator will display. The camera is now ready to record a voice memo.