



This manual is for reference and historical purposes, all rights reserved.

This page is copyright© by M. Butkus, NJ.

This page may not be sold or distributed without the expressed permission of the producer

I have no connection with any camera company

On-line camera manual library

This is the full text and images from the manual. This may take 3 full minutes for the PDF file to download.

If you find this manual useful, how about a donation of \$3 to: M. Butkus, 29 Lake Ave., High Bridge, NJ 08829-1701 and send your e-mail address so I can thank you. Most other places would charge you \$7.50 for a electronic copy or \$18.00 for a hard to read Xerox copy.

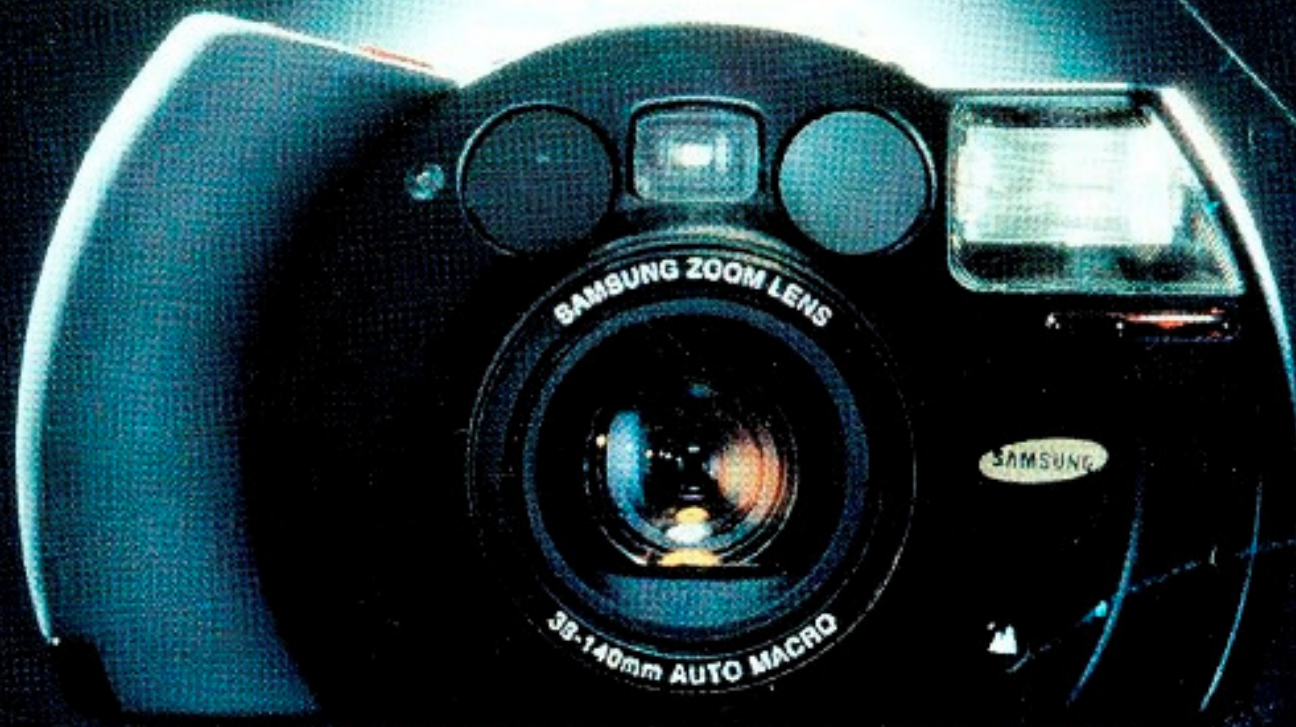
This will allow me to continue to buy new manuals and pay their shipping costs.

It'll make you feel better, won't it?

**If you use Pay Pal or wish to use your credit card,
click on the secure site on my main page.**

SAMSUNG

ECX 1 QUARTZ DATE
ECX 1



ENGLISH

SAMSUNG CAMERA

NOTE

- This camera will not work without battery.
- Use two 3V lithium batteries (CR-123A or DL-123A).
- The lens cap automatically opens when the ON/OFF button is turned on.
- Do not open the lens cap with your fingers.
- When the camera has no film, the shutter functions but winding and rewinding does not.

The shutter does not function in following circumstances.

- When the camera has no battery or when the battery is almost exhausted.
- When the lens cap is closed.
- When the zoom button is operating or when the film is winding or rewinding.
(Rewinding will stop as long as the ON/OFF button is pressed down during rewinding.)
- When the film remains in the camera after rewinding.
- When the flash is being charged.

※ This camera is controlled electronically by a built-in microcomputer. Although unlikely, it may fail to operate under certain circumstances in which there is strong static electricity. In such cases, please take out the lithium batteries and put them back into the battery chamber again after 2-3 minutes.

INDEX

Please read this manual before using your camera.

PREPARATION

• Note	2
• Names of parts	4
• Replacing the battery	7
• Battery check	8
• Film loading	9
• Strap attachment	11

PHOTOGRAPHING

• Using the camera	12
• Holding the camera	13
• Taking pictures	14
• Using the viewfinder	16
• Rewinding the film	17
• Date imprinting (Q.D. Model only)	18

APPLICATION

• Shooting mode / Flash mode	19
• Focusing mode / Self-timer mode	20
• Fuzzy zoom	21
• Portrait zoom	22
• Step zoom	23
• continuous shooting	24
• Multi-exposure shooting	25
• Interval shooting	26

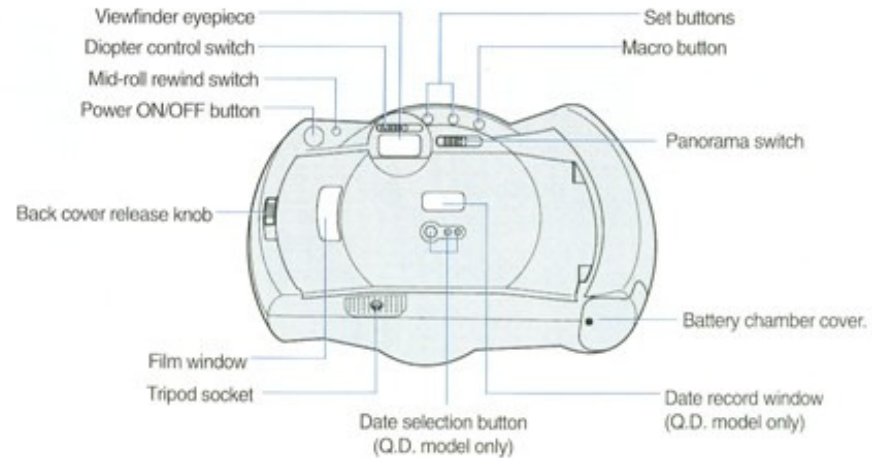
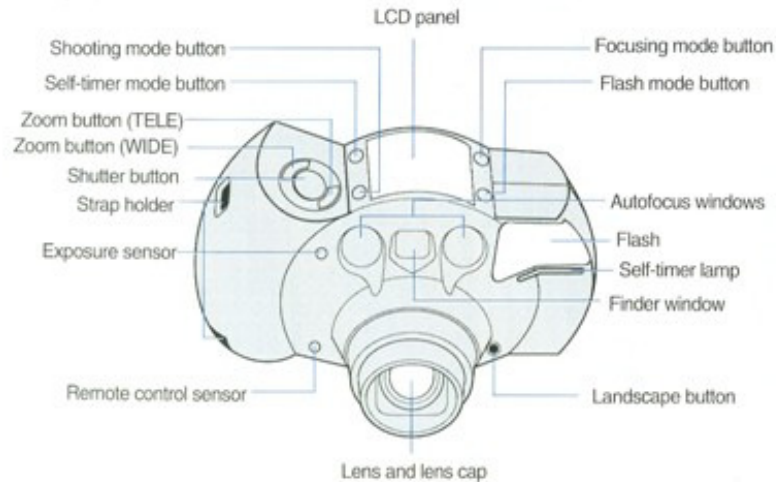
• Bulb shooting (B shutter)	27
• Red-eye reduction (Pre-flash)	28
• Backlight control	29
• Exposure compensation	30
• Fill-in flash	31
• Fill-in pre-flash	32
• Off flash	32
• Multi-beam Auto focus	33
• Using the focus lock	34
• Snap shooting	35
• Manual focusing	36
• Self-timer	37
• Double self-timer	38
• 2 sec. delay shutter release	39
• Remote control shooting	40
• Landscape (Infinity) mode	42
• Macro photography	43
• Panorama photography	44

CHECK

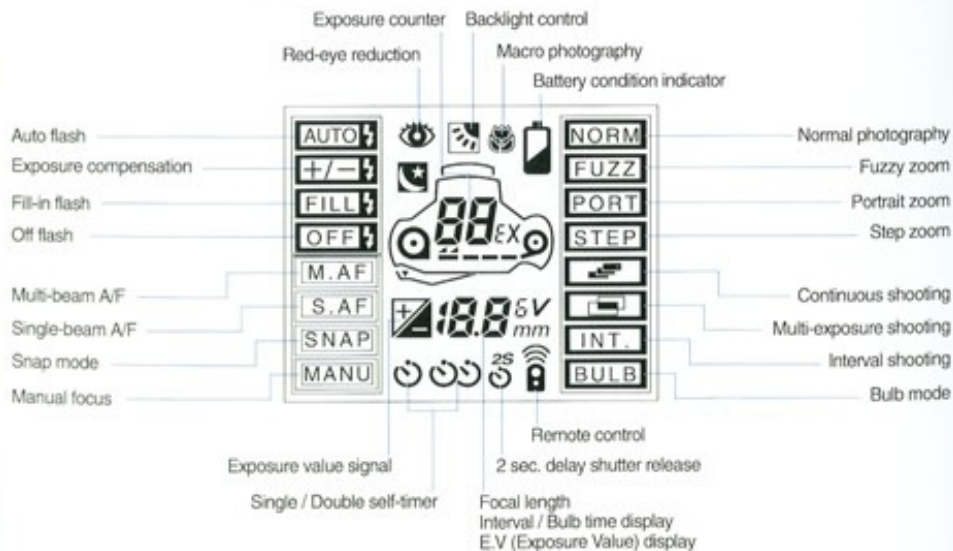
• Care and storage	45
• Important facts	46
• Trouble shooting	47

SPECIFICATIONS

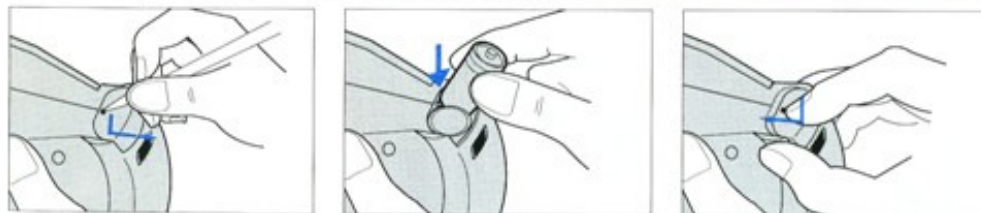
NAMES OF PARTS



LCD PANEL



BATTERY REPLACEMENT





- Open the battery chamber cover by pressing the hole with a pin as shown above.
- Insert new batteries and be sure to place them in the correct position.
- Close the battery chamber cover until you hear it click.

NOTE

- Use CR-123A or DL-123A battery only.
- Be sure to place them in the correct position.
- You do not need to remove the battery when the camera is not in use. This model has an automatic shut down that switches the camera off after 3 minutes of inactivity.
- ※ If you remove and replace the batteries when a film is in the camera, the film will automatically advance to the next frame.

BATTERY CHECK

	1. Normal operation The battery condition indicator does not appear.		
	2. The indicator appears half way. You can still shoot one or two rolls of film but prepare new batteries.		3. The indicator blinks. Replace the battery.

- You can check the battery with the battery condition indicator in the LCD panel.

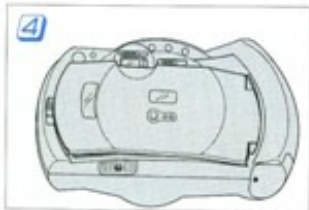
NOTE

- Do not remove the batteries while using the camera. Turn off the power when you replace the batteries.
- Have extra batteries available if you are using the camera outdoors in cold weather. Battery performance is reduced in low temperatures.
- The batteries will function normally again when the temperature returns to normal.

FILM LOADING



1. Open the back cover by sliding the release knob as shown above.
2. Insert a roll of film in the film chamber.
※ DO NOT force the film into position.
3. Pull the end of the film to the film tip position as shown above. If you have pulled the film too far, rewind the film a little. The film should be flat.

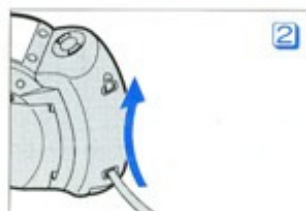


4. Close the back cover until you hear the "Click" sound. The film will automatically advance.
5. After the film winding stops automatically, the LCD panel shows the symbol as shown above.

NOTE

- The camera automatically sets the film speed for ISO 50-3200 DX film.
- ※ When you use non-DX film, the camera will automatically set the speed at ISO 100.
- ※ Do not load the film in the direct sunlight.
- ※ The camera detects if a film is mis-loaded and the "E" mark will flash in the LCD whilst locking the shutter. Open the camera backcover and repeat the film loading operation.

STRAP ATTACHMENT



- Attach the camera strap as illustrated.

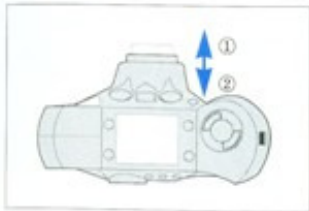
NOTE

- When you fix the strap, use the pin which is packed with strap.

USING THE CAMERA



- Press the ON/OFF button to turn the power on. The lens opens and LCD indication appears. The power will be off pressing ON/OFF button one more time.
- The lens cap closes and power switches off automatically in 3 minutes if the camera is not used.
- While looking through the viewfinder, aim the camera at the subject and operate the zoom buttons.



- Press the 'T' (Tele) button to move the lens out (1) and press the 'W' (Wide) button to move the lens in (2).

During this operation, the LCD panel shows the focal lengths in the following sequence : 38, 45, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140 mm.

HOLDING THE CAMERA



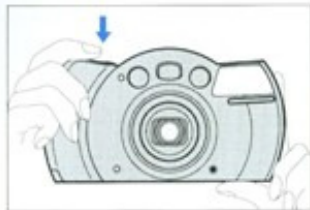
- * In order to avoid camera shake, hold the camera steady, especially when using longer focal lengths (Tele).
- Hold camera strap in your wrist.
- Both elbows (horizontal picture) or one elbow (vertical picture) should be held close to your body.
- Keep your eye close to viewfinder when using.

NOTE

- Avoid obstructing the lens when you take a picture. Pictures can be spoiled when a finger, hair, or camera strap falls in front of the lens, exposure sensor or autofocus windows.
- When you take vertical pictures with flash, the flash should be above the lens.
- * This camera has a "diopter control" on the viewfinder which adjusts for individual eyesight requirements. Slide the diopter control either to the right or the left whilst looking the viewfinder to obtain the optimum setting.



TAKING PICTURES



- Aim the Auto focus frame at the subject.
- Press the shutter button half way down. The lens is focused when the green lamp turns on.
- If the subject is 1.2M (4ft) or closer, the green lamp blinks quickly and the shutter locks. In this case, you can still take pictures by using Macro mode.
- Press the shutter button all the way down to take a picture.
- Press the shutter button carefully to avoid camera shake. The film will automatically advance after shooting and the frame counter will advance.

NOTE

- After taking pictures, turn the camera off. This will protect the lens and prevent unintended shots.



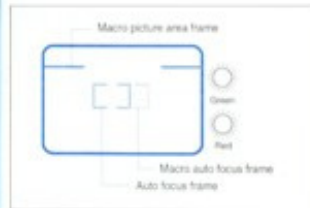
- The camera can focus on subjects between 0.6M (2.ft) and infinity.
- Select macro mode to take subjects between 0.6 - 1.2 M (2-4ft).
- Flash automatically fires to provide correct exposure in low light.
- ※ Flash coverage (ISO 100)
WIDE : 0.6 - 6.0 M (2 - 20 ft)
TELE : 0.6 - 3.0 M (2 - 10 ft)
- When you press the shutter button half way down in low light, the Red LED will turn on (if the flash is fully charged).

1. The Red LED blinks rapidly when the flash is not charged yet (Shutter locks automatically).
2. The Red LED blinks slowly when using a tripod is recommended to avoid camera shake.

NOTE

- In order to avoid camera shake, hold the camera steady and press the shutter button gently, particularly when using longer focal lengths (telephoto).
- To take clear pictures with flash, refer to the above flash coverage.

USING THE VIEWFINDER



- Press the shutter button half way to check the indication lamp.

① Auto focus lamp (Green LED)

The Green LED illuminates when the subject is between 1.2m(4 ft)-∞. The Green LED blinks rapidly when the subject is too close. The shutter locks automatically(You can still take pictures by using Macro mode.). The Green LED blinks slowly when the subject is between 0.6-1.2m(2-4ft)and you use the Macro mode.

② Flash-Ready Lamp(Red LED)

The Red LED turns on when the flash is fully charged (in low light conditions). The Red LED blinks slowly when using a tripod is recommended to avoid camera shake. The Red LED blinks rapidly when the flash is not charged yet. The shutter locks automatically.

REWINDING THE FILM

1. AUTOMATIC REWINDING



- After taking all the pictures on a roll of film, the camera will automatically rewind film. The motor stops when the rewinding is completed.
- When the rewinding is completed, the back cover and film indicator on the LCD will blink at the same time.
- If you press the ON/OFF button during film rewinding, the rewinding is interrupted until the ON/OFF button is released.

2. MID-ROLL REWINDING



- To rewind the film in the middle of a roll, press the rewinding button.

NOTE

- If the motor stops before the LCD shows "0", replace the battery
- Do not open the back-cover until the battery is replaced.

DATE IMPRINTING (Q.D. MODEL ONLY)



Date imprinting

- Pressing the MODE button, change modes in the sequence shown left.
- When a date is imprinted, the print indicator will blink for two to three seconds in the Date window.

NOTE

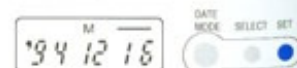
- Use a pencil or finger nail to avoid damaging the buttons.



Select date mode by pressing the MODE button.



Press the SELECT button to access day, month or year.



Adjust date and time by pressing the SET button.

- The numbers will run through quickly if you continue to depress the button.

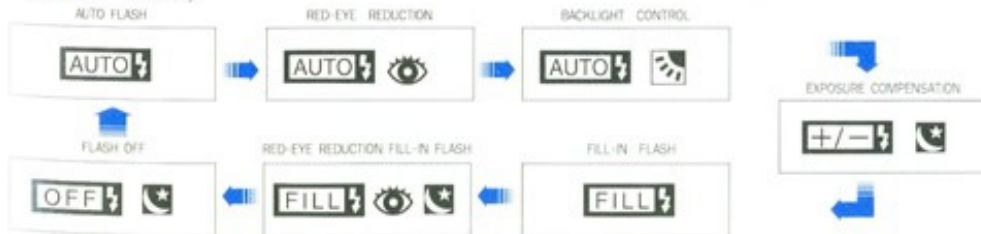
SHOOTING MODE/FLASH MODE

You can select the Shooting mode/the Flash mode by pressing the MODE button/the FLASH button.

< SHOOTING MODE >



< FLASH MODE >



FOCUS MODE/SELF-TIMER MODE

You can select the Focus mode/the Self-timer mode by pressing the FOCUS button/the SELF button.



NOTE

After you take a picture with a particular mode, the camera will be set to the same mode. But, in case of the Step zoom, the Multiple exposure, the Bulb, the Backlight control and the Single/Double self-timer mode, the camera will reset to the Normal photography mode automatically.

FUZZY ZOOM



To avoid camera shake and under-exposed subjects in your pictures, use FUZZY mode. The built-in intelligent microcomputer enables you to get clear and properly exposed pictures by controlling the focal length, flash and shutter in compliance with the surrounding situation.

NOTE

- In FUZZY mode, the subject size of your picture may be changed as the lens will automatically adjust to provide the optimum photographic conditions.

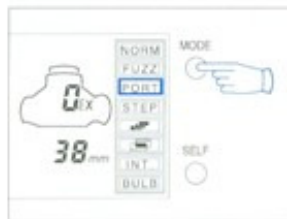


(Normal mode)



(Fuzzy zoom)

PORTRAIT ZOOM



Use Portrait zoom mode to maintain a constant size within the frame, even though the distance to the subject may vary.
(Example : Head and shoulders portrait)

- Position your subject in the center of the viewfinder and press the shutter button half-way. The zoom will operate automatically to attain the desired shot.
- Press the shutter button fully to take the picture.



(Normal mode)



(Portrait zoom)

STEP ZOOM



Use Step zoom to take a number of pictures of the same subject using different focal lengths.

- The number of photos (up to 3) depends on the focal length chosen. Refer to the chart below.
- The first shot will be taken after ten seconds. From the second shot, the interval between shots is 2 seconds.
(Unless flash is required.)

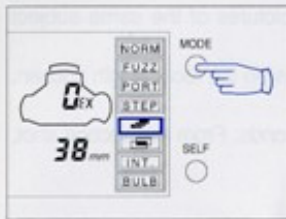
Number of photos	18mm	28mm	35mm	45mm	55mm	70mm	85mm	105mm	135mm	165mm	205mm	245mm
18A	2					2						2
18A		2					2					2
18A			2					2				2
18A				2					2			2
18A					2					2		2
18A						2					2	2
18A							2					2
18A								2				2
18A									2			2
18A										2		2
18A											2	2
18A												2

① FIRST SHOT

② SECOND SHOT

③ THIRD SHOT

CONTINUOUS SHOOTING ()



Use this mode to take a sequence of a moving subject.

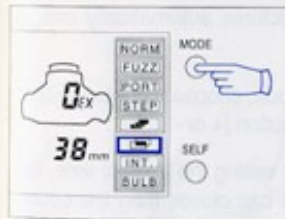
- As long as you press the shutter button, the camera will continue to take pictures. The camera focuses on the subject frame by frame during this operation, so the autofocus frame should be kept on the subject.

NOTE


- When the flash fires, the interval between shots will be increased by 4 seconds due to the flash recharging.



MULTI-EXPOSURE SHOOTING ()



Use the Multi-Exposure shooting mode to combine multiple images on a single frame.

- Select the Multi-exposure shooting mode ().
- Press the shutter button then the film will not advance.
- After the second shot, the film will advance to the next frame.

TO COMBINE MORE THAN TWO IMAGES :

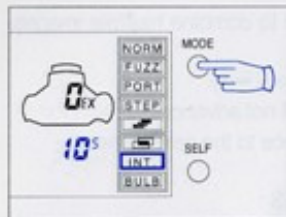
Select the Multi-Exposure shooting mode again before the second exposure, and those succeeding it. After the last exposure in the sequence, the film will advance to the next frame.



NOTE

- You are recommended to combine just two exposures on a frame as too many multiple shots may overexpose the picture.
- You will have more success when you use Multi-Exposure in a dark background.
- The date will be imprinted on the last exposure. (Q.D. model only)

INTERVAL SHOOTING (INT.)



Use the Interval shooting mode to take pictures automatically over a chosen period of time.

- After you select the Interval shooting mode, choose the interval time (10 sec. - 60 min.) by operating the Set button (+ or -).
- When you press the shutter button after setting the interval time, the lens retracts into the body and the lens cap closes then the count-down starts.
- You can release the Interval shooting mode at any time by pressing the ON/OFF button.



NOTE

- Unless you release the Interval shooting mode, the camera will continue to operate until the film is used up.

BULB SHOOTING : B SHUTTER

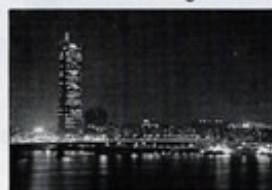


Use the Bulb shooting mode for time exposures of subjects such as firework and night scenes.

- When you press the shutter button after selecting the Bulb mode, the shutter remains open as long as the shutter button is depressed and the lapse of time is shown on the LCD panel.
- ※ BULB TIMER : You can also choose the shutter speed between 1 sec. to 60 sec. by the Set button (+ or -).
- ※ BULB SYNCRO (Bulb with flash) : When you take portraits at night time, combine a flash mode with the Bulb shooting. This allows the main subject to be illuminated by flash and the background exposed with available light.



(BULB-SYNC mode, 2 SEC. with ISO 100)

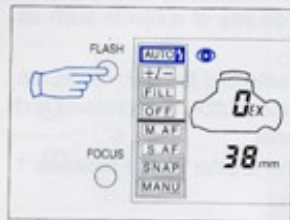


(BULB mode, 8 SEC. with ISO 100)

NOTE

- To avoid camera shake, use a tripod.
- Use this mode only in low light. Otherwise, the pictures will be overexposed.

RED-EYE REDUCTION : PRE-FLASH



- The red-eye phenomenon is most likely to occur when you take portrait pictures with flash in low light.
- To reduce red-eye in flash portraits, use the pre-flash.



(AUTO FLASH)



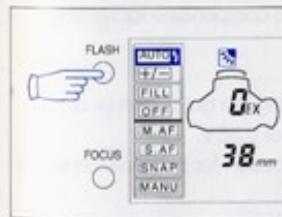
(RED-EYE REDUCTION)

NOTE

The flash fires twice in sequence, so be careful not to shake the camera between flashes.

- * Red-eye phenomenon occurs when the retina behind the pupil of an eye reflects the flash light. It is sometimes useful to switch on all room lights in order to further decrease "red eye".

BACKLIGHT CONTROL ()



Use this mode when your subject is in low light compared with the surroundings and when the distance is too great to use the flash.

- This will balance the dark areas of your subject with strong background light. (Exposure compensation : +1.5EV)

NOTE

- Be careful to avoid direct sunlight on the lens.
- Note that the reflection of strong backlight such as direct sunshine may cause flares on the picture.



(Without Backlight control)

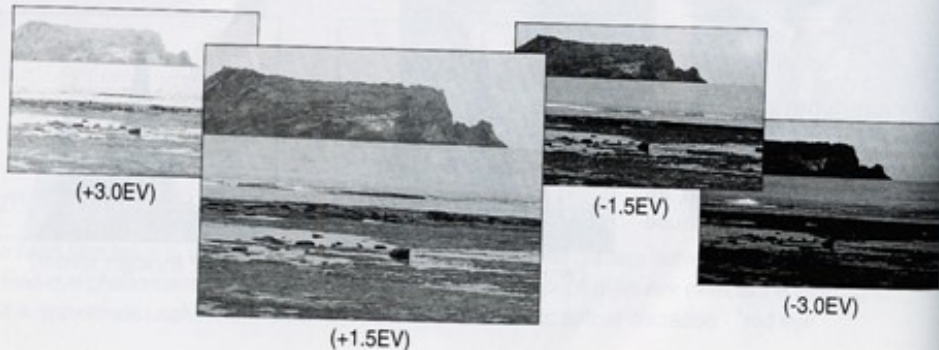


(With Backlight control)

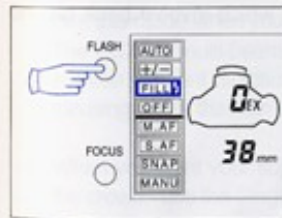
EXPOSURE COMPENSATION (☒)

Use the Exposure compensation to manually adjust the level of exposure to compensate for lighting levels.

- Select the Exposure compensation by the Flash mode button.
- The compensation value is set to "+" position or to "-" position by pressing the Set button (+ or -).
- The range of compensation is between + 3EV and - 3EV in gradations of 0.5EV.
- ※ Use the "+" position for the situation with bright background, or the "-" position for the situation where the main subject is too bright.



FILL-IN FLASH



- When the main subject is in the shadow and the surrounding light conditions are too strong for the auto flash to engage, the fill-in flash will light the dark part of your subject.

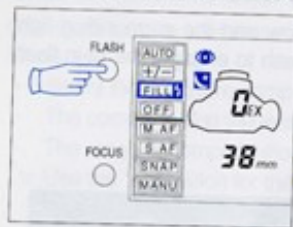


(AUTO FLASH)



(FILL-IN FLASH)

FILL-IN PRE-FLASH

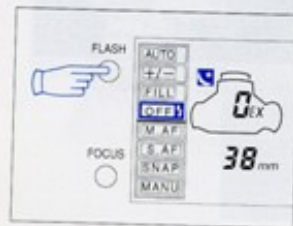


Use this mode for night time portraits which involve back ground scenes. The flash fires twice.

NOTE

- Use a tripod to avoid camera shake.

FLASH OFF



Use this mode when you want to take pictures of sunsets or interiors without flash.

NOTE

- Use a tripod to avoid shaking the camera when you see the Red LED blinks.

MULTI-BEAM AUTO FOCUS

Use this mode when your subjects are dispersed.

- The ECX 1's multi-beam autofocusing system measures the distance between camera and subject in three different directions. This wider coverage makes accurate focusing easy, and help prevent focusing errors that can occur when the subject is not in the center of the frame.
- When you want your subject at the edge of frame or you want to focus on the particular subject in the crowd, use the Single-beam auto focus mode by using the Focus lock function.



(Single-beam A/F)



(Multi-beam A/F)

USING THE FOCUS LOCK



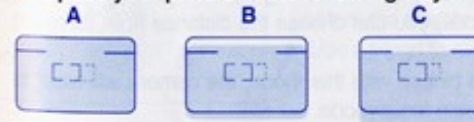
If you want to focus on the subject that is at the edge of the frame or a particular subject in the crowd, use the focus lock function described below.

1. Aim the camera with the auto focus frame superimposed over the target.
2. Press the shutter button half way down.
(The Green LED illuminates or blinks slowly)
※ Be careful not to press the shutter button all the way down to avoid taking an unwanted picture.
3. Keeping the shutter button depressed, recompose your picture as desired.
4. Hold the camera steady and gently press the shutter button completely down.
※ The focus lock can be released at any time by lifting your finger from the shutter button.



NOTE When using longer focal lengths, the view seen from the lens will be slightly different to that viewfinder. This effect will be more apparent when the subject is close. To reduce this refer to the instructions below.

Compose your picture in the following way :



■ : Picture required frame

- A. Subject 3 m or more from camera
- B. Subject around 2 m from camera
- C. Subject between 0.6 and 1.2 m from camera

When the subject is closer than 2 m, it is important to frame the subject in the viewfinder and focus (i.e. when the Green LED illuminates) before recomposing as in examples "B"+"C". Please refer to the section "Using the focus lock" on page 34 of this manual.

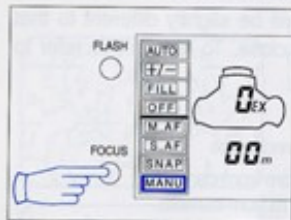
When you take a vertical picture, compose it in the same way.

SNAP SHOOTING : FIXED FOCUS SETTING



- Use this mode when photographing difficult subjects such as active children or pets. The subject(s) must be within the range 1.3m(4.3ft) - 5m(16.5ft).
- When you select this mode, the camera sets to the wide position (38mm) and the fixed focus. If you depress the shutter button continuously, the camera will take a sequence of shots.

MANUAL FOCUSING



Use this mode when focusing difficult subjects such as show window displays or fishes in an aquarium.

- Choose the distance from 0.6m(2ft) to 199m(657ft) by pressing the SET button (+ or -) whilst watching the LCD panel.
- ※ In the Macro mode, you can choose the distance from 0.6m(2ft) to 1.99m(6.5ft).
- ※ After you take a picture with this mode, the camera will reset to the Multi-beam auto focus mode.

※ Focusing difficult subjects.

- Items that have a bright light in the background.
- Fireworks or smoke.
- Shining or grossy surface such as a car body or the surface of water.
- Subjects taken through window.

SELF-TIMER (⌚)

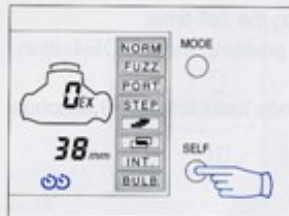


You can take a picture of yourself by using the self-timer.

- After selecting the self-timer mode by pressing the MODE button, press the shutter button.
- The self-timer lamp turns on for 7 seconds and blinks for 3 seconds before the shutter is released.
- ※ Use a tripod to avoid camera shake.



DOUBLE SELF-TIMER (🕒🕒)



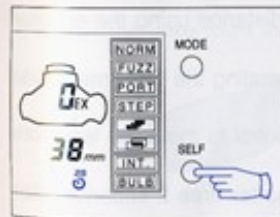
- The self-timer lamp turns on for 7 seconds and blinks for 3 seconds on the first shot.
- The second shot will be 2 seconds after the first shot.

NOTE

- When using flash, the shooting interval may become longer due to the flash recharging.
- ※ Use a tripod to avoid camera shake.



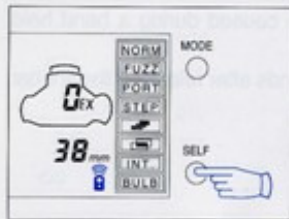
2 SEC. DELAY SHUTTER RELEASE (🕒^{2S})



Use this mode to avoid camera shake caused during a hand held shot.

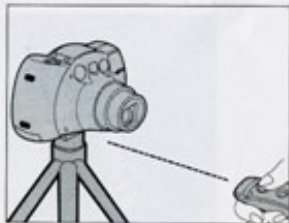
- In this mode, the picture is taken 2 seconds after releasing the shutter button.

REMOTE CONTROL SHOOTING ()



You can operate the camera from a distance using the optional remote control.

- Select the remote control mode by operating the Self-timer mode button.
- Use the zoom button on the remote control to move the lens from Tele(140 mm) to Wide(38 mm).
- To allow a more natural pose, the shutter fires 2 seconds after pressing the remote operating button.



NOTE

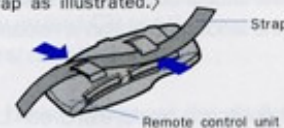
- For the best results, choose the zoom setting before taking a picture using the remote control.
- Remote controllers are available from your Samsung Dealer.

- ※ Remote control operating distance : 0.6 ~ 5 M (2 ~ 16.7 ft)
- ※ Remote control operating angle : Right / below : 10°
Above / left : 5°

< Diagram of Remote control unit >



< Attach the Remote control unit on the strap as illustrated.>



REPLACING THE BATTERY



- Open the battery chamber cover by pushing the cover with a finger as illustrated.
- Remove the old battery and insert a new battery with the positive (+) side up.
- Close the battery chamber cover (You will hear it click).
- * Use 3V lithium battery (JIS CR 2025).

LANDSCAPE (INFINITY) MODE (▲)

Use the landscape mode to photograph distant subjects through windows.

- Press the shutter button whilst keeping the landscape button depressed.
- When the landscape button is released, the mode will be cancelled.

NOTE

- In the Landscape mode, the Green LED will not illuminate when you press the shutter button.
- In the Landscape mode, the camera is set to the Off-flash.
(You cannot select any other flash mode.)



(Normal mode)



(Landscape mode)

MACRO PHOTOGRAPHY (🌷)

Use this mode to take close-up photographs.

- When the subject is within 0.6m(2ft)-1.2m(4ft), the Green LED blinks slowly. Press the Macro button then the camera sets the Macro mode and the (🌷) will show on the LCD panel.
- Aim the Macro Auto-focus frame on the subject and press the shutter button.

- When the subject is closer than 0.6m(2 ft), the Green LED blinks quickly and the shutter is to be locked automatically.

■ AUTO MACRO

When the subject is between 0.6m and 1.2m away and the zoom position is between 100mm and 140mm, the camera will be set to the Macro mode automatically upon pressing the shutter button. When the subject is farther than 1.2m away in the Macro mode, the lens will move to 140mm lens automatically upon pressing the shutter button.

PANORAMA PHOTOGRAPHY

Use this setting for pictures with wide perspectives such as landscapes or group photos. Most photo-finishers will be able to print panoramic shots as extra wide prints for added impact.

- Move the Panorama switch to PANORAMA position.

Then the picture area frame in the viewfinder is to change into panoramic view.

NOTE

- When you take your film to a shop for processing then you should tell the assistant that your film requires special treatment. Remember that panoramic processing is usually more expensive than "standard" processing.

CARE AND STORAGE

- If your camera needs cleaning, wipe it with a soft cloth.
- The lens should be cleaned only with the lens cleaning tissue and fluid.
- Do not allow your camera to make contact with sand or water.
- Keep your camera in a dry, cool place that is free from humidity and dust. Never put it in hot places such as in a parked car, or leave it in direct sunlight.
- Avoid using alcohol or other chemical solvents on the camera body.
- The temperature range in which the camera functions properly is between 50°C and -10°C. (122°F and 14°F)

IMPORTANT FACTS

- Be careful to keep from spilling anything on lens or light meter cells. It is a good idea to keep your camera lens cap closed whenever the camera is not in use.
- If you have trouble with your camera, please take it to a dealer or distributor, or back to the store where you bought it. Do not try to take the camera apart or to repair it yourself.
The camera contains a high voltage circuit that could be hazardous.
- Keep your camera safe from sudden shocks or vibration. If you drop your camera, it is a good idea to have it checked before using it.
- Using the camera when it is very cold hinders its performance. If you plan to take pictures when the temperature is below 7 °C (45 °F), take care to keep your camera and battery warm.
- Be particularly careful not to take your camera from a very cold place directly to a very warm place. This may cause moisture to condense on the inside of the camera.
- Do not use your camera to take repeated flash pictures when the temperature is above 40 °C (104 °F).

TROUBLE SHOOTING

- If the shutter does not function after pressing the shutter button.

Check Point	Remedy	Page
Is the lens cover completely opened?	Press the ON/OFF button once.	12
Is the battery loaded correctly?	Put it in a correct position.	7
Has it been a long time since you used the battery ?	Change the battery.	8

- If your picture is out of focus.

Check Point	Remedy	Page
Did you aim the Auto focus frame on the subject correctly ?	Read the instructions "USING THE VIEWFINDER" again.	14,15,16
Was the Auto focus window blocked by your fingers or hair ?	Be careful not to block the Auto focus window.	13

- If the scene in your picture area frame does not show on your picture.

Check Point	Remedy	Page
Was it within the range of the picture area frame (Macro area frame) ?	Read the instructions "USING THE VIEWFINDER" again	16

SPECIFICATIONS

TYPE	35mm fully automatic lens shutter camera
FILM	35mm DX-coded film (Film format : 24X36mm, *Panorama : 13X36mm)
LENS	38-140mm power zoom lens F/3.8-10.5 (11 elements 9 groups)
SHUTTER	Programmed AE electronic shutter · Shutter speed : 1/3 - 1/400 sec · Bulb (1-60 sec)
FOCUSING	Active infrared automatic focusing with focus lock · Focusing range : 0.6m(2 ft)-∞ · Macro zone : 0.6m(2 ft)-1.2m(4 ft)
EXPOSURE	Programmed auto exposure · AE coupling range (ISO 100 film) Wide (38mm) : EV 5.4-17.6 Tele (140mm) : EV 8.2-17.6
VIEWFINDER	Real image type with Auto focus frame · Field of view : 80% · Magnification : 0.37-1.36
FILM SPEED	Automatic setting with DX-coded film : ISO 50-3200
FILM LOADING	Automatic advance to the first frame when the backcover is closed.
FILM LOADING & REWINDING	Automatic advance & rewinding (Mid-roll rewinding is also available.)

S P E C I A L F E A T U R E	FLASH	<p>Built-in electronic zoom flash</p> <ul style="list-style-type: none"> · AUTO : Automatic flash activation in low light · FILL-IN : Forced flash activation in daylight and slow speed syncro flash for night shots · OFF : Flash activation stops. Slow shutter exposes for available light. · PRE-FLASH to reduce the red-eye phenomenon <p>* Flash range (ISO 100 film)</p> <ul style="list-style-type: none"> Wide (38mm) : 1.2-6m (4-20ft) Tele (140mm) : 1.2-3m (4-10ft) Macro : 0.6-1.2m (2-4ft) <p>* Flash recycling time : Approx 1-3 sec.</p>
	<p>FLASH MODE</p> <ul style="list-style-type: none"> · Red-eye reduction · Back light control : + 1.5 EV · Exposure compensation : ± 3 EV (0.5EV steps) · Fill-in / off flash <p>SHOOTING MODE</p> <ul style="list-style-type: none"> · Multi-beam auto focus · Manual focusing · Fuzzy zoom : Intelligent exposure · Portrait zoom · Step zoom · Continuous shooting · Double exposure · Interval shooting · Bulb (B shutter) · Snap shooting : Fixed focus setting · Landscape (Infinity) mode 	

SELF-TIMER MODE	<ul style="list-style-type: none"> . Single/Double self-timer . 2 sec. delay shutter release . Remote control (Option)
OTHERS	. Diopter adjuster
ACTION LAMP	The self-timer lamp illuminates at the moment of expose as a visual confirmation for the subject.
AUTO POWER OFF	Lens cap closes and power shuts down if the camera remains inactive for 3 minutes.
DATE BACK (Q.D. MODEL ONLY)	<ul style="list-style-type: none"> . Automatic calendar and quartz clock . Date imprinting
POWER SOURCE	Two 3V lithium batteries (CR 123A or DL 123A)
DIMENSIONS	149.5 × 83 × 74 mm (W × H × D)
WEIGHT	450 gram (Batteries excluded.)

* Specifications are subject to change without prior notice.

SAMSUNG AEROSPACE IND., LTD.(HEAD OFFICE)
13TH FL., YEONBONG BIDG.,
890-8, DAECHEI-DONG
KANGNAM-KU, SEOUL, KOREA
135-280 P. O. BOX 2133
TEL:(02) 528-6694~5
FAX:(02) 528-6707, 6626

SAMSUNG OPTO-ELECTRONICS AMERICA INC.
PHOTO PRODUCTS DIV.
40-50 SEAVIEW DRIVE, SECAUCUS,
NJ 07094, U. S. A
TEL:(201)902-0347
FAX:(201)902-9342

SAMSUNG U. K. LTD
PHOTO PRODUCTS DIV.
SAMSUNG HOUSE, 3 RIVERBANK WAY,
GREAT WEST ROAD, BRENTFORD, MIDDLESEX,
TW8 9RE
TEL:(081)862-9311
FAX:(081)569-9552

SAMSUNG DEUTSCHLAND GMBH
MERGENTHALER ALLEE 38-40
65760 ESCHBORN, GERMANY
TEL:(06196)90980
FAX:(06916)909868

SAMSUNG IMAGE & MEDIA(S. I. M)
B.P. 146 TOUR MAINE-MONTPARNASSE
33AV. DU MAINE-75775,
PARIS CEDEX 15, FRANCE
TEL:(01)4538-6836
FAX:(01)4320-4510