

Canon

CANON INC. 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo 146, Japan

U.S.A. — **CANON U.S.A., INC. HEADQUARTERS**
One Canon Plaza, Lake Success, N.Y. 11042, U.S.A.
CANON U.S.A., INC. NEW JERSEY OFFICE
P.O. Box 1000, 100 Jamesburg Road, Jamesburg, New Jersey 08831, U.S.A.
CANON U.S.A., INC. WASHINGTON D.C. OFFICE
5701 General Washington Drive, Alexandria, Va 22312, U.S.A.
CANON U.S.A., INC. CHICAGO OFFICE
100 Park Blvd., Itasca, Il 60143-2693, U.S.A.
CANON U.S.A., INC. ATLANTA OFFICE
5625 Oakbrook Parkway, Norcross, Ga 30093, U.S.A.
CANON U.S.A., INC. DALLAS OFFICE
3200 Regent Blvd., Irving, Tex. 75063-3145, U.S.A.
CANON U.S.A., INC. LOS ANGELES OFFICE
15955 Alton Parkway, Irvine, Ca 92718, U.S.A.
CANON U.S.A., INC. SANTA CLARA OFFICE
2051 Mission College Blvd., Santa Clara, Ca 95054-1509, U.S.A.
CANON U.S.A., INC. HONOLULU OFFICE
1020 Auahi St. Bldg. #8, Honolulu, Hawaii 96814, U.S.A.

EUROPE, AFRICA & MIDDLE EAST — **CANON EUROPA N.V.**
Bovenkerkerweg 59-61, P.O. Box 2262, 1180 EG Amstelveen, The Netherlands
CANON PHOTO VIDEO FRANCE S.A.
"Le Doublet" 11, Avenue Dubonnet 92407 Courbevoie Cedex, France
CANON UK LTD.
Units 4 & 5, Brent Trading Centre, North Circular Road, London NW10 0JF, United Kingdom
CANON EURO-PHOTO G. m. b. H.
Siemensring 90-92, D-47877 Willich 1, Germany

CETRAL & SOUTH AMERICA — **CANON LATIN AMERICA, INC. DEPTO DE VENTAS**
Apartado 7022, Pamaná 5, República de Panamá
CANON LATIN AMERICA, INC. CENTRO DE SERVICIO Y REPARACION
Apartado 2019, Zona Libre de Colón, República de Panamá

SOUTHEAST ASIA — **CANON HONGKONG TRADING CO., LTD.**
10/F, Mirror Tower, 61 Mody Road, Tsimshatsui East, Kowloon, Hong Kong
CANON SINGAPORE PTE. LTD.
79 Anson Road #09-01/06 Singapore 0207

OCEANIA — **CANON AUSTRALIA PTY. LTD.**
1 Thomas Holt Drive, North Ryde, N.S.W. 2113, Australia
CANON NEW ZEALAND LTD.
Fred Thomas Drive, P.O. Box 33-336, Takapuna, Auckland, New Zealand

JAPAN — **CANON SALES CO., INC.**
12-15, Mita, 3-Chome, Minato-ku, Tokyo 108, Japan

© CANON INC.

PRINTED IN TAIWAN

Canon

TOP TWIN TOP TWIN QUARTZ DATE

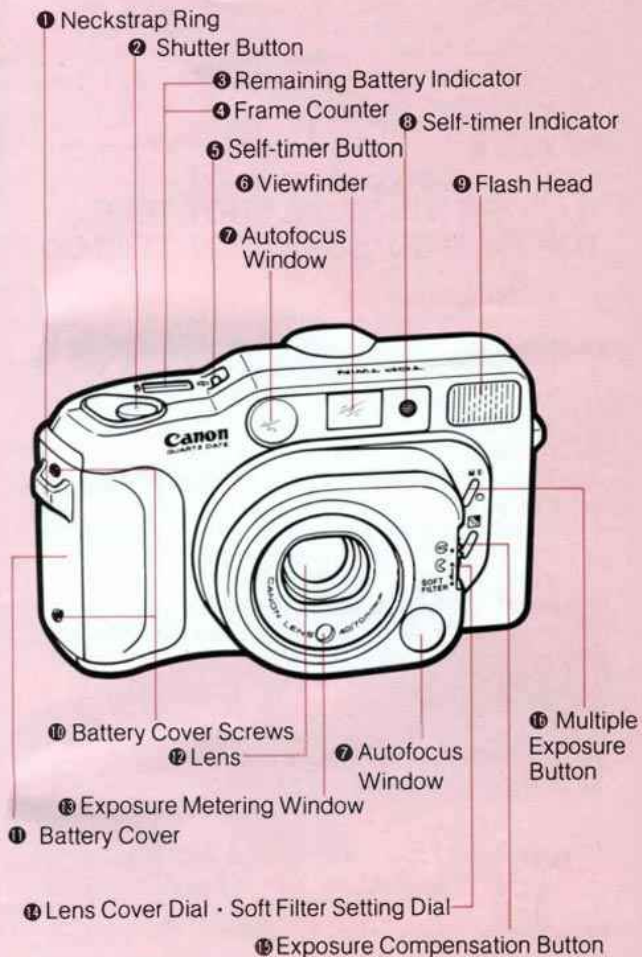
SURE SHOT TELE SURE SHOT TELE QUARTZ DATE



E
English Edition

INSTRUCTIONS

Nomenclature



Nomenclature

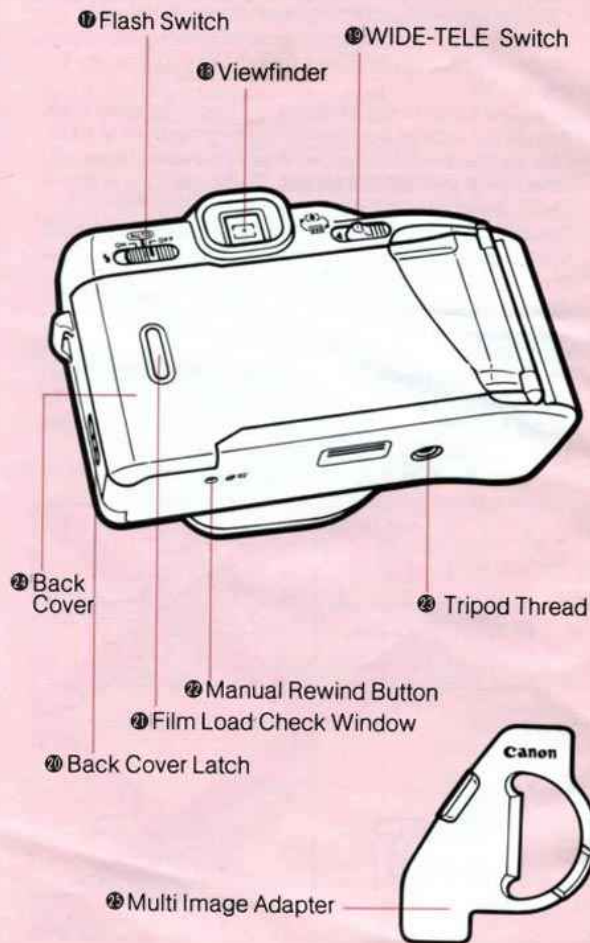


Table of Contents

Special Features	p.2
Nomenclature	p.3, 34
Basic Operation	p.5
Neckstrap and Case	p.6
1. Checking the Remaining Battery Charge	p.7
2. Loading the Film	p.8
3. Opening the Lens Cover	p.11
4. Choosing the Shooting Lens	p.12
5. Shooting	p.13
<input type="checkbox"/> Prefocusing	p.15
<input type="checkbox"/> Auto Flash Photography	p.17
<input type="checkbox"/> Self-timer Photography	p.19
6. Removing the Film	p.20
7. Advanced Shooting	
<input type="checkbox"/> Manual Flash Photography	p.21
<Fill-in Flash Photography>	p.21
<Flash-on Photography>	p.21
<Disabling Flash Photography>	p.22
<input type="checkbox"/> Exposure Compensation	p.23
<input type="checkbox"/> Soft Filter	p.24
<input type="checkbox"/> Multi Exposure Photography	p.25
<Trick Photography>	p.28
Replacing the Battery	p.31
Liquid Crystal	p.32
Specifications	p.32, 33
Handling Precautions	p.35

For those who have bought the TOP TWIN/Sure Shot TELE "Quartz Date" camera, additional information for date imprinting functions are provided. Please refer to it, too.

Basic Operation

manual

GET READY

automatic

Check the remaining battery charge.
Install the film.

Auto loading
Automatic ISO film speed setting for DX coded film
Set for the first exposure

Open the lens cover.
Choose the lens.

GET SET

Compose so that the subject covers the autofocus spot, then press the shutter button halfway.

Auto-focus mechanism ON
Auto charge for flash if lighting is insufficient

GO

Press the shutter button all the way down to shoot.

Autowind
Set for next exposure

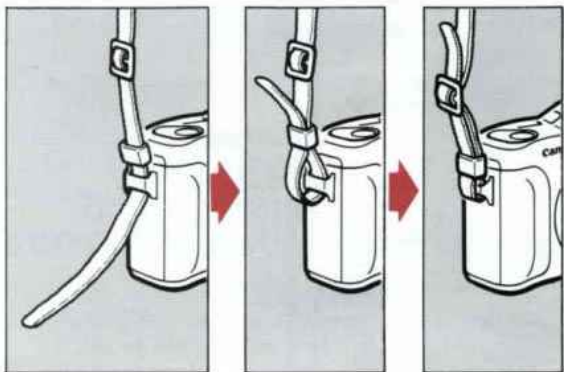
FINISH

Autorewind and Autostop

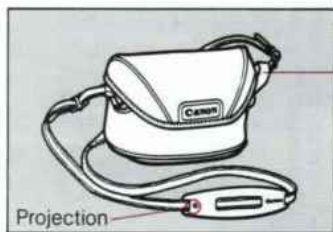
REMOVE THE FILM

* For correct development note accordingly for soft focus or multiple exposures.

Neckstrap and Case



Attach the neckstrap to the neckstrap ring ❶ as illustrated.



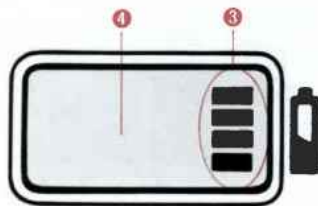
Snap-on
Strap

Projection

Use the Snap-on strap as illustrated, and you do not need to worry about forgetting or losing the case.

Carry the multi-image adapter by threading it through the snap-on strap.

1. Checking the Remaining Battery Charge

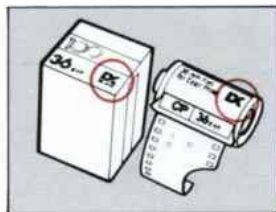


This camera uses a lithium battery (2CR5, 6 V). Check the battery's remaining power by remaining battery indicator ❸ on the frame counter ❹.

You can shoot as long as at least two bars are showing.

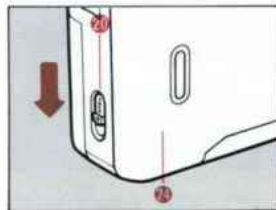
- Four bar marks are indicated for a new lithium battery, and as the battery discharges the number of bar marks decreases.
- When only one bar mark is indicated, or five years after purchase, replace the battery according to the instructions on p. 31.

2. Loading the Film

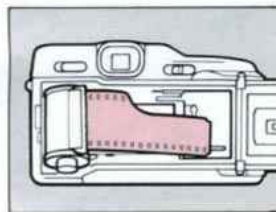
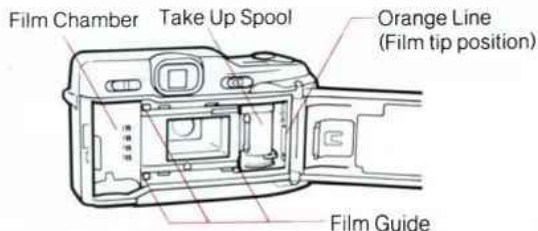


The shutter will not release if film is not correctly loaded.

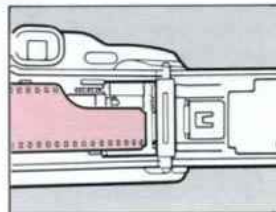
- Use DX coded film. The camera sets film speed upon sensing the film's DX code.
- The camera sets film speeds of ISO 50, 100, 200, 400, 800 or 1600.
- For film without DX code, only use ISO 100 film.
- If you use reversal film (slide film), use only ISO 50, 100, 200, 400.



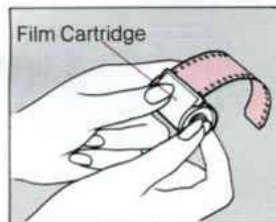
- 1) To open the back cover ①, press the back cover latch ② down in the direction of the arrow.



- 2) Place the film cartridge as illustrated.



- 3) Align the film tip with the orange index.

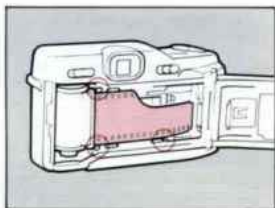


- If the film leader extends past the orange line, take out the film cartridge and manually wind the excess film back into the cartridge.

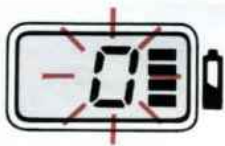
- Place the film cartridge in the film chamber as shown in illustration B.



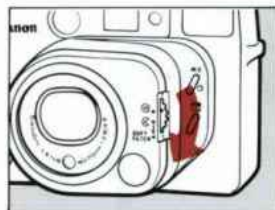
- Make sure that the film leader is between the film guides and close the back cover. The camera will then advance the film.



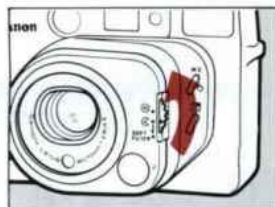
- If a flashing "0" appears in the frame counter, the film has not advanced correctly. In this case the shutter is locked. Reload the film.
- You can confirm film loading through the film load check window ③.



3. Opening the Lens Cover



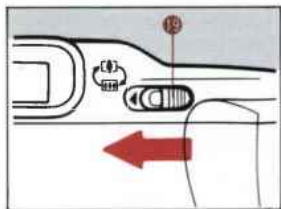
Turn the lens cover dial in the direction of the arrow to open the lens cover.



To close it, turn in the opposite direction.

- There is no frame counter display and the camera does not operate, unless the lens cover is fully open.
- When the camera is not in use, to avoid accidentally pressing the shutter button, please close the lens cover.

4. Choosing the Shooting Lens



You can change over the lens from WIDE to TELE, or TELE to WIDE to suit your subject.

Slide the WIDE-TELE switch  to change over the lens.

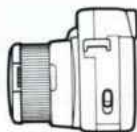
- If the WIDE-TELE switch is kept held in the changeover position, WIDE → TELE → WIDE → (etc.) changeover continuously takes place.



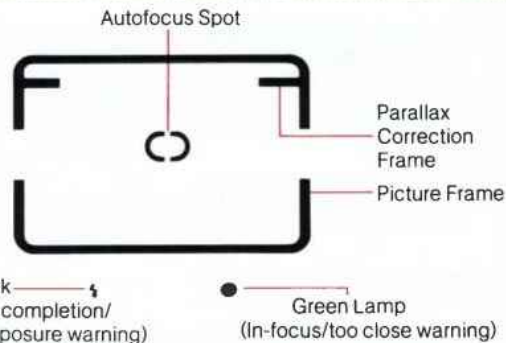
WIDE 
40 mm f/2.8



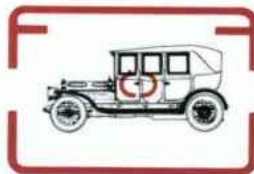
TELE 
70 mm f/4.9




5. Shooting



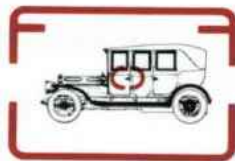
You can enjoy taking good pictures with ease with the autofocus function.



- 1) Look through the viewfinder  and compose the picture so that the main subject fills the autofocus spot. Do not press the shutter button yet.

- Be sure to cover the autofocus spot with the main subject completely.
- The shooting range is from 0.96 m (3.2 ft.) to infinity, so please shoot from at least 0.96 m (3.2 ft.) from your subject.
- When you shoot your subject in the 0.96 ~ 1.2 m (3.2 ~ 4 ft.) range with the WIDE lens, or in the 0.96 ~ 1.6 m (3.2 ~ 5.3 ft.) range with the TELE lens, compose the picture so that the subject is within the parallax correction frame inside the viewfinder.
- Shoot with the flash switch on "AUTO". (See P. 17 for more information)

- 2) Gently press the shutter button ② halfway and confirm that the green ranging completed lamp lights up.

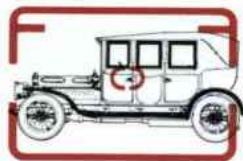


lights up



- 3) Press the shutter button all the way down to shoot.

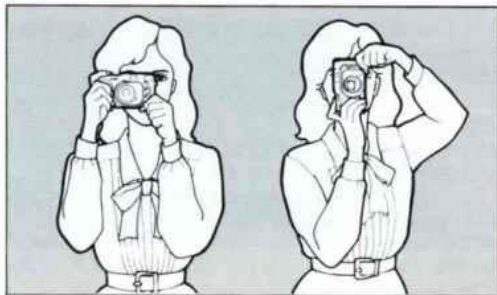
- The subject is focused when you press the shutter button halfway. If you press the shutter button halfway before filling the autofocus spot with the subject, the picture will be out of focus.



blinks



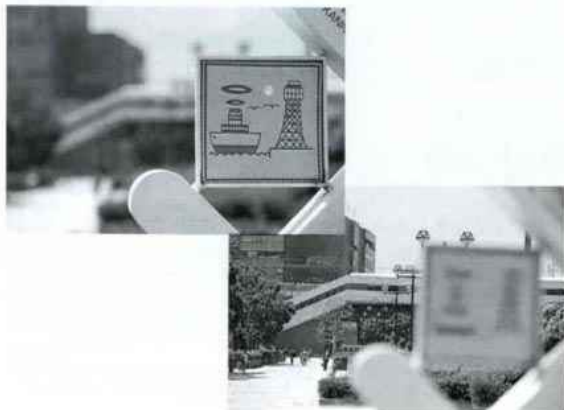
- When the green lamp blinks, it means that you are too close to your subject (closer than 0.96 m (3.2 ft.)). If so, take your finger off the shutter button and move back to a distance where the green lamp does not blink when you press the shutter button down halfway.



- Hold the camera in both hands with one or both elbows steadied against your body.
 - Be sure the lens ③, autofocus windows ⑦, exposure metering window ⑤ and flash ④ are not blocked by your fingers or hair. Press the shutter button ② gently to avoid blur caused by camera shake.
- 4) After you take your finger off the shutter button, the camera advances the film. The frame counter ④ will also increment by one.

Prefocusing

Normally, in order for your subject to be correctly focused it must cover the autofocus spot in the center of the viewfinder. If you want to compose the picture so that your main subject is not covering that spot, follow these steps.



- 1) Look into the viewfinder and compose the picture.



- 2) Then center the main subject in the viewfinder so that it covers the autofocus spot completely.



- 3) Confirm that the green lamp lights steadily (without blinking), while pressing the shutter button HALFWAY.



- 4) Still pressing the shutter button halfway, recompose the picture so that your subject is where you want it to be. Be careful not to change the shooting distance.



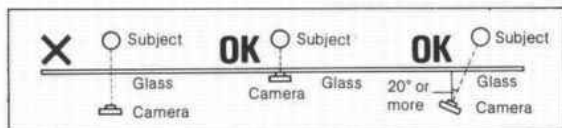
- 5) Then press the shutter button all the way down.



- Please note that the prefocusing will be cancelled once you take your finger off the shutter button.
- There are a few types of subjects for which the autofocus system is not well suited. They include:
 - (1) Highly reflective subjects (ex. the exterior of a car).
 - (2) Subjects which have little or no reflectance (ex. black hair).

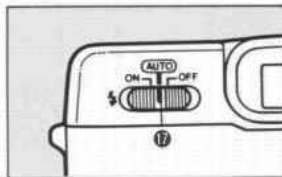
For these types of subjects, it is best to prefocus. Follow the steps for prefocusing, but in step 2, compose the picture so that a substitute subject, which is the same distance from you as the main subject, covers the autofocus spot.

- When you photograph a subject through glass, either press the camera to the glass surface, or shoot at a 20° or more angle with the glass.




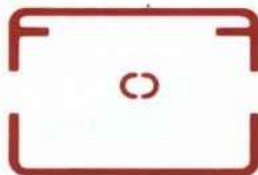
Auto Flash Photography

If you set the flash switch to "AUTO" mode, you never fail to capture any shutter opportunity, because when it is not bright enough, the flash operates automatically.

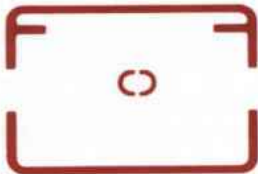


- 1) Set the flash switch to "AUTO"
- 2) Look into the viewfinder and cover the autofocus spot with your subject.

- When you press the shutter button halfway, the red mark  lights first, then, after approx. a 2 sec. interval, the green lamp (in-focus indicator), lights up too, indicating that the camera has finished the flash charge.



about
2 sec.





- Then, press the shutter button all the way down to shoot.
 - Shutter release is locked until flash charge is finished.

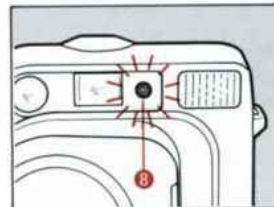
Distance range for auto flash photography: (using negative color film)


	WIDE	TELE
ISO 100	0.96~5.0 m (3.2~16 ft.)	0.96~3.0 m (3.2~10 ft.)
ISO 200	0.96~7.0 m (3.2~23 ft.)	0.96~4.2 m (3.2~14 ft.)
ISO 400	0.96~10.0 m (3.2~33 ft.)	0.96~6.0 m (3.2~20 ft.)
ISO 1000	0.96~15.0 m (3.2~50 ft.)	0.96~9.0 m (3.2~30 ft.)
ISO 1600	1.3~20.0 m (4.3~66 ft.)	0.96~12.0 m (3.2~40 ft.)

Use the self-timer when you want to be in the picture too.



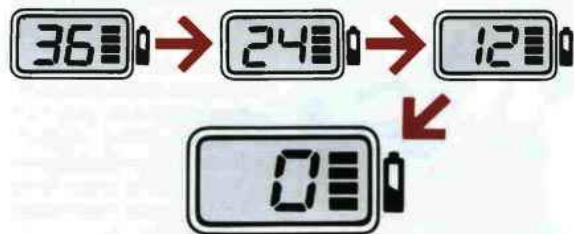
- Look into the viewfinder  and cover the autofocus spot with your main subject. Press the self-timer button  and confirm that the green lamp (in-focus indicator) lights up steadily.



- As soon as you press the self-timer button, the red self-timer indicator  starts to blink. The shutter will be released ten seconds after the self-timer button is pressed. Two seconds before shutter release the lamp blinks at a faster rate.
- You can confirm shutter release by checking that the red self-timer lamp is off and the sound of film winding has stopped.

- If you will be the main subject, compose the picture so that a substitute subject, which is the same distance you plan to be, covers the autofocus spot.
- If you have started the self-timer and wish to cancel it before shutter release, close the lens cover.

6. Removing the Film



This camera starts to rewind the film after the film reaches the end of a roll. During rewind, the frame counter ④ counts down. Film rewind stops when the roll is completely rewound.

- 1) Make sure that the frame counter reads "0".
- 2) Open the back cover and remove the film.
- If you take more than the number of shots specified on the roll of film, those frames may be cut off in the developing process.

If you want to remove the film before reaching the end of a roll, you can rewind the film from the middle by pressing the manual rewind button ②. Be sure to hold the button until the frame counter starts to count down.

- Press the manual rewind button using the projection on the strap's rubber pad.



7. Advanced Shooting

■ Manual Flash Photography

< Fill-in Flash Photography >



When you take a picture of a person in front of a bright window or with the sun behind them, for example, turn the flash "ON" to avoid underexposing your subject.

- Distance range for fill-in flash photography
WIDE 0.96 ~ about 3.5 m
(about 3.2 ~ 12 ft.)
TELE 0.96 ~ about 2.5 m
(about 3.2 ~ 11 ft.)
- For distances beyond the range, use exposure compensation (P. 23)

< Flash-on Photography >

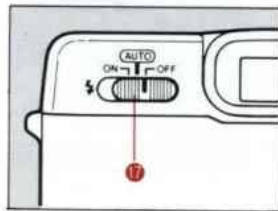
When you want continuous flash photography, despite the lighting situation, shoot with the flash "ON". You may get better results with indoor photography, when, for example, a room is too bright for the auto flash.


- For the distance range for flash-on photography, see auto flash photography (P. 18)

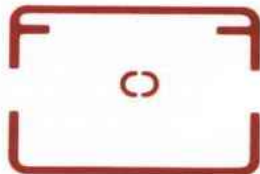
< Disabling Flash Photography >



When you want natural-looking pictures of, for example, sunsets or night scenes without flash, or when shooting stage or other photography where flash is not allowed, set the flash switch to "OFF".

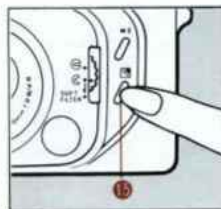


- If the red mark  blinks in the viewfinder, be careful to shoot holding the camera steady to avoid camera shake, or use a tripod.



■ Exposure Compensation

When your subject's background is bright, or highly reflective, such as snow or the sun, the subject will probably come out too dark. In such a case, press the exposure compensation button during shutter release.



Shot with exposure compensation

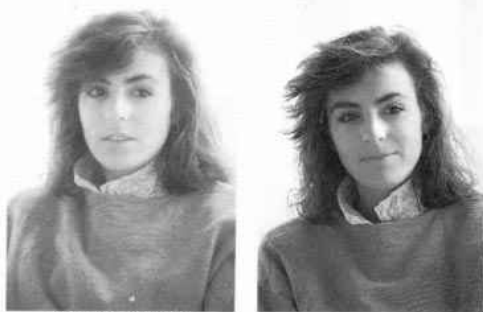
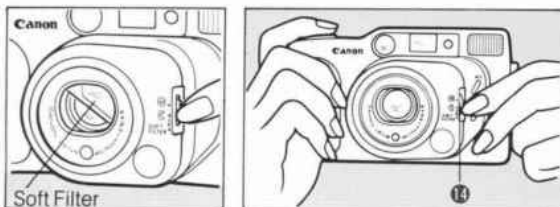


- Exposure compensation is effective for backlit subjects at any distance, but we recommend using fill-in flash for subjects at short distances.
- Exposure compensation is possible with the flash switch in any position, but the flash does not emit light.

■ Soft Filter

When you want to blur the image slightly for soft, mellow effect for portrait photography, for example, use the soft filter.

- 1) Turn the soft filter setting dial **18** to the "SOFT FILTER" position.
- 2) Press the shutter button to shoot, holding the soft filter setting dial in the "SOFT FILTER" position.



Shot with soft filter

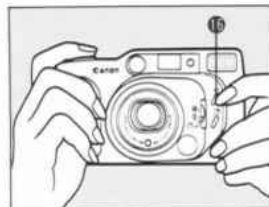
- The shutter can not be released if the soft filter is not completely in place.
- You can get the best effect from the soft filter if you shoot in TELE mode from the distance of a bust shot, especially shooting in the shade.
- Please refer to the note on P.27 about developing soft focus photography.

■ Multiple Exposure Photography

— Exposing the same frame two or more times is possible because film advance is suspended by pressing the multiple exposure button. —



- 1) Fill the autofocus spot with your subject, and then press the multiple exposure button **19**.

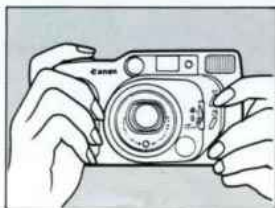


- 2) Press the shutter button halfway (prefocusing), while pressing the multiple exposure button. (Then you can release the ME button.)

- 3) While pressing the shutter button halfway, recompose the picture so that your subject is where you want it to be, then press the shutter button all the way to shoot (the first exposure).



- The camera does not advance the film here.



- 4) Perform prefocusing as before, with the subject matter of the next exposure filling the autofocus spot.



- 5) Pressing the shutter button halfway, recompose the picture as desired, then press the shutter button all the way to shoot (the second exposure).



- When you want to shoot three times or more on the same frame, simply repeat steps 1 ~ 3 for each exposure except the last. For the last exposure follow steps 4 and 5, i.e., shoot without pressing the multiple exposure button.
- A maximum of three or four exposures is suggested for multiple exposure photography.
- Do not use reversal film (slide film).
- In multiple exposure photography a dark background, mountains or trees, will give a better result than, for example, the sky.

Please be sure to note accordingly or inform the developer of multiple exposures or soft focus photography to ensure proper developing. If not, these may not be developed correctly.

< Trick Photography >

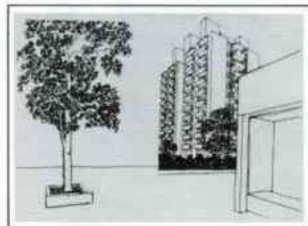
1. The left and right sides show different scenes.



2. The same person appears twice in the same frame.



—How to shoot photo 1—



- 1) Decide the two different scenes of the picture.

- 2) Attach the multi image adapter ⑫ to the front of the lens as illustrated.

◆ Be careful not to block the exposure metering window ⑬.

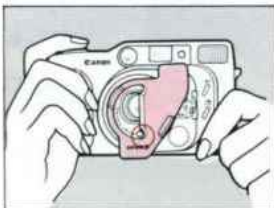
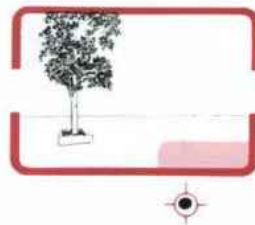


- 3) Look into the viewfinder and cover the autofocus spot with the first scene, and press the ME button.

tip of the multi image adapter

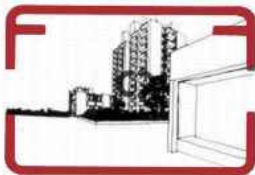


- 4) While pressing the shutter button halfway (prefocusing), recompose the picture as desired, such that the tip of the multi image adapter does not appear in the scene. Press the shutter button all the way to shoot. (the first exposure).



- 5) Remove the multi image adapter, turn it 180°, and re-attach it.

- 6) Look into the viewfinder and compose the second scene filling the autofocus spot with the subject. Then perform pre-focusing.

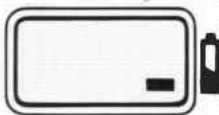


- 7) Without taking your finger off the shutter button, recompose the picture as desired such that the tip of the multi image adapter does not appear in the scene, and then shoot (the second exposure).



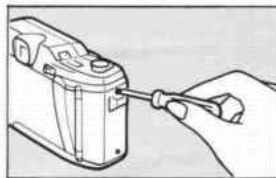
- Do not use reversal film.
- There may be cases when the left and right side exposures overlap. To minimize such overlapping we recommend shooting with the WIDE lens in a bright place. Also, be careful not to place the main subject near the center
- When you want to shoot the same subject two or more times while keeping the same background as shown in photo 2 on P.28, use a tripod to fix the camera.

Replacing the Battery

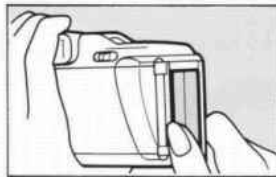


If only one of the remaining battery indicator's ④ bar marks is left or five years after purchase, replace the battery as follows.

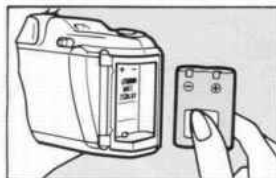
- When next to last bar mark disappears while in the middle of a roll of film, replace the battery after finishing and removing the film from the camera.
- Never remove the battery from the camera except to replace the old battery with a new one.



- 1) Remove the battery cover screws ①, using a precision screwdriver, and remove the battery cover.



- 2) Hook your thumb against the side of the battery and lift upward, then pull the battery out.



- 3) Insert a new lithium battery (2CR5, 6 V) as illustrated.

- If you replace the battery, four bar marks are displayed on the remaining battery indicator. If four bar marks do not appear, remove the battery and replace it again.

- Replace the battery only when no film is loaded.

- 4) Replace the battery cover.

Liquid Crystal

Liquid crystal is used in the display area. Lack of contrast, or blur, in the digital display may occur after five years of normal use. If this should occur, please contact an authorized Canon Service facility for replacement (at owner's expense).

Specifications

TYPE: Fully automatic 35 mm lens shutter AF camera with bifocal lens.

FORMAT: 24 × 36 mm

LENS: Canon Lens

WIDE: 40 mm f/2.8 in 3 groups, 4 elements

TELE: 70 mm f/4.9 in 6 groups, 7 elements

Spectra coating, Bifocal electric changeover, Built-in Soft filter. Filter Thread Diameter: 40.5 mm

LENS COVER: Open position: shooting is possible.

Closed position: shooting is impossible.

FOCUSING: Canon ACTIVE auto-focus system.

SHOOTING DISTANCE RANGE: 0.96 m (3.2 ft.) to infinity (∞).

SHUTTER: Programmed electromagnetic shutter; also serves as diaphragm blades.

MULTIPLE EXPOSURE: By pressing the multiple exposure button

VIEWFINDER: Reverse Galilean Albada finder. Magnification: WIDE 0.45 ×; TELE 0.72 ×.

Information includes autofocus spot, picture frame with parallax correction frame, in-focus/too close warning (green LED), and charge-completion/underexposure warning (red LED).

PREFOCUS: Possible by pressing the shutter button down halfway.

FILM LOADING: Automatic: equipped with blank exposure mechanism.

FILM REWINDING: Automatic rewind starts at the end of the film and stops automatically upon completion. Rewind from the middle of a roll is also possible.

BACK COVER: Opened by pressing back cover latch.

FRAME COUNTER: 7-segment LCD indicator (two-digits) on the top of the body. Forward-counting type; counts back with film rewind; reset when the back cover is opened. When the film does not advance properly, the counter displays a blinking "0" and shutter release is locked.

FILM LOAD CHECK: By film load check window.

SELF-TIMER: Built-in electronic self-timer; starts by pressing the self-timer button. Provides a 10 sec. delay. A blinking red LED on the front of the body indicates operation.

AUTOMATIC EXPOSURE COUPLING RANGE:

EV 6 ~ 18 (ISO 100)

WIDE: 1/8 f/2.8 ~ 1/500 f/22

TELE: 1/3 f/4.9 ~ 1/350 f/27

FILM SPEED SCALE: DX code sensor sets film speed of ISO 50, 100, 200, 400, 800 or 1600.

EXPOSURE COMPENSATION: +2 f/stop compensation possible by exposure compensation button.

BUILT-IN FLASH: Automatic. Flash operates when subject luminance is below a certain level. Daylight flash is possible.

FLASH SHOOTING DISTANCE RANGE: WIDE 0.96 m (3.2 ft.) to 5.0 m (16 ft.)

TELE 0.96 m (3.2 ft.) to 3.0 m (10 ft.) with ISO 100 negative film.

FLASH RECYCLING TIME: About 2 seconds.

FLASH CHANGEOVER: by the flash switch 3 modes of AUTO, ON, OFF

COLOR TEMPERATURE: Same as daylight.

POWER SOURCE: One lithium battery (2CR 5, 6 V)

Battery life: About 5 years or 40 rolls of 24 exposure film (using flash 30% of the time/based on Canon's standard test method.)

Battery check; 4 segment indicator on the LCD panel on the top of the body. Remaining battery charge is indicated at 4 levels.

DIMENSIONS: 134 (W) × 78.7 (H) × 61.8 (D) mm
(5-1/4 × 3-1/16 × 2-7/16 in.)

WEIGHT: 400 g (14-1/8 ozs.)

Subject to change without notice