

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

This page is copyright by mike@butkus.org M. Butkus, N.J.

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

I have no connection with any camera company

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 too 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. These donations allow me to continue to buy new manuals and maintain these pages. It'll make you feel better, won't it?

If you use Pay Pal, use the link below. Use the above address for a check, M.O. or cash. Use the E-mail of butkusmi@ptd.net for PayPal.



[back to my "Orphancameras" manuals /flash and light meter site](#)

Only one "donation" needed per manual, not per multiple section of a manual !

The large manuals are split only for easy download size.

Canon SURESHOT

ZOOM XL



E

INSTRUCTIONS
English Edition

F

MODE D'EMPLOI
Edition française

S

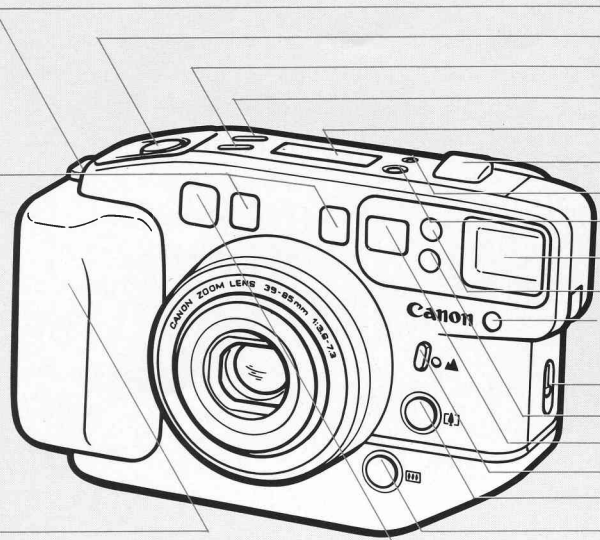
INSTRUCCIONES
Edición española

NOMENCLATURE

1 Autofocus Windows

2 Grip/Battery Chamber

3 AF Auxiliary Light Projector



- 4 Strap Fixture
- 5 Shutter Button
- 6 Shooting Mode Selector
- 7 Exposure Mode Selector
- 8 LCD Panel
- 9 Illumination Window
- 10 Film Rewind Button
- 11 Self-timer Button
- 12 Flash
- 13 Metering Window
- 14 Self-timer Indicator (RED)
/Remote Control Indicator
- 15 Back Cover Latch
- 16 Remote Control Window
- 17 Viewfinder Window
- 18 Infinity Button
- 19 TELE Button
- 20 WIDE Button

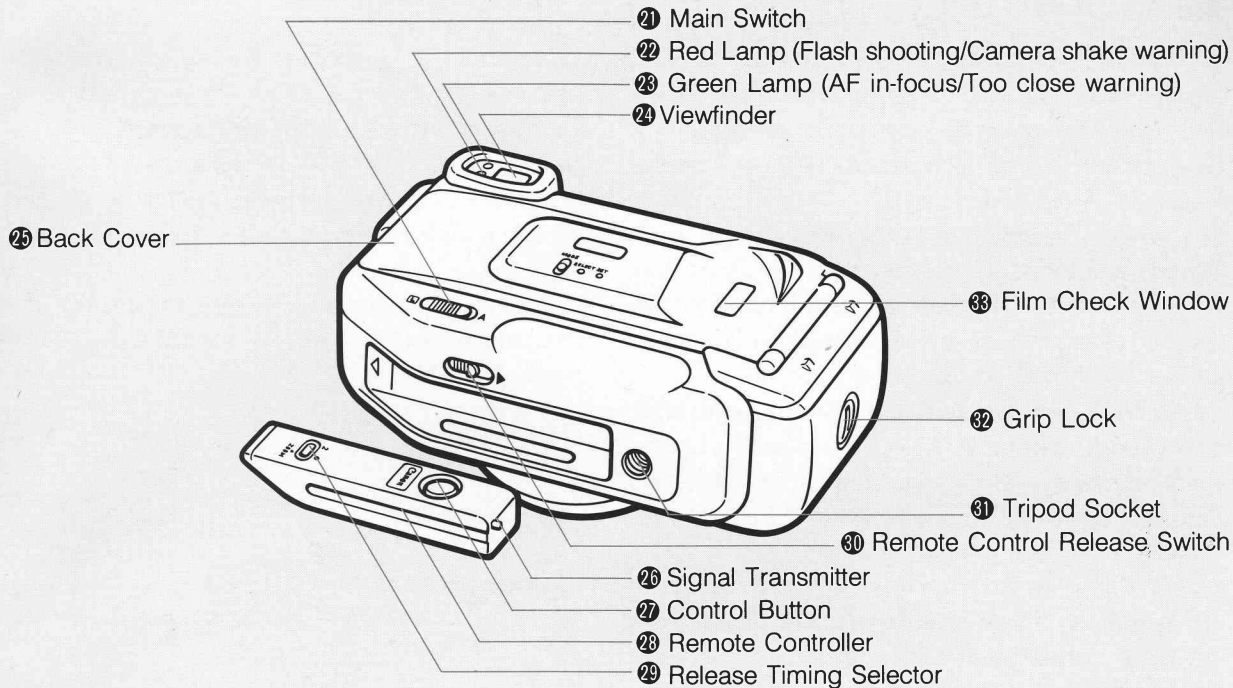


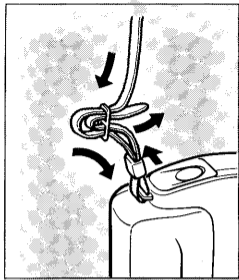
Table of Contents

Handling Precautions	13	5. Self-timer Photography.....	49
I. Shooting Preparations	17	6. Infinity Shooting Mode	51
1. Neckstrap.....	17	7. Close-up Shooting.....	53
2. Checking the Battery	17	III. Advanced Picture Taking Operations	55
3. Holding the Camera	21	1. Flash-on Mode.....	55
4. Shutter Button Action.....	23	2. Non-flash Mode	57
5. Checking the Display Panel Information...	25	3. Slow-sync Mode.....	59
6. Loading the Film.....	27	4. Intelligent Framing Zoom Mode.....	61
7. Automatic Film Rewinding	31	5. Remote Control Shooting.....	65
Mid-roll Rewind.....	31	6. Remote Control Zooming.....	69
II. Basic Picture Taking Operation	33	IV. Date Imprint Function	73
1. Setting the Exposure Mode	33	1. Selecting the Imprint Format.....	75
2. Setting the Film Winding Mode	35	2. Setting the Date and Time.....	77
3. Zoom Operation.....	35	Battery Replacement	79
4. Taking Pictures in Auto Mode	37	Specifications	80
Shooting Distance Range for Automatic			
Flash Photography	39		
Green and Red Lamp.....	41		
Focus Lock	43		
Difficult Subjects for Autofocus	45		



Handling Precautions

- 1) This camera is **not** resistant to water, and should not be used outdoors if snowing. If accidentally dropped in water, contact an authorized Canon Service Facility. Keep the camera out of salt spray, and excessive humidity. If used at the beach, clean it thoroughly afterward with a dry cloth.
- 2) Store the camera in a cool, dry, dust-free place. Be sure to keep the camera out of direct sunlight, and away from "hot spots" such as the trunk or rear window shelf of a car. Avoid places where moth balls are used and in excessive humidity, use a desiccant.
- 3) Do not attempt to disassemble the camera yourself, due to the high-voltage circuitry inside.
- 4) The battery may explode or cause burns if disassembled, recharged, shorted, exposed to high temperatures, or disposed of in fire.
- 5) Use a blower brush to remove dust and sand from the lens and inside the camera. Do not apply any fluids to the lens or body. Take it to a Canon Service Facility for more cleaning if necessary.
- 6) Film passing through X-ray examinations at airports may be exposed and ruined even when loaded in the camera. Request a handchecked inspection to avoid damage.
- 7) Color reproduction may be adversely affected if film is left in the camera for a long time. Always develop exposed film promptly.



I. Shooting Preparations

1. Neckstrap

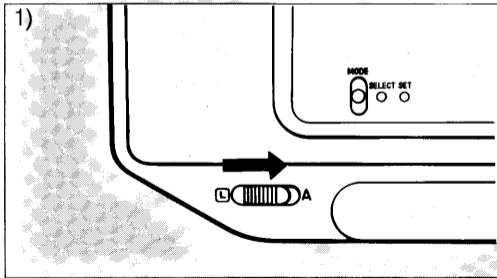
Attach the neckstrap to the fixture as illustrated.

2. Checking the Battery

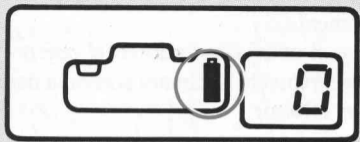
A lithium battery pack (2CR5, 6V) is installed at assembly.


- If the battery has not been included, see p.79. Check the battery to ensure readiness before shooting.



1) Set the main switch to "A".



2)

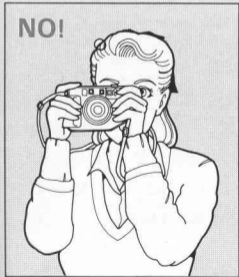
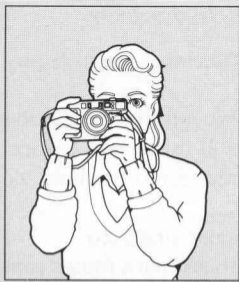


2) The battery power is sufficient if the battery check mark “  ” appears in the display panel.

- If “  ” blinks, have a new battery handy.
- If “  ” does not appear, replace with a new battery.

Shooting Capacity: approx. 35 rolls of 24-exp. film with 50% flash use. (Data based on Canon's Standard Test Method)

- When you intend to take many pictures, i.e. trip or wedding, be sure to take a spare battery with you.
- **When the camera is not in use, set the main switch to “L”. This closes the lens cover to protect the lens and prevent accidental exposure.**

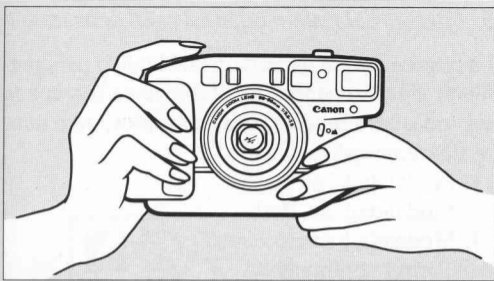


3. *Holding the Camera*

- 1) Put the neckstrap around your neck and hold the camera firmly.
- 2) Keep your left elbow close to your body.
- 3) Lightly hold the camera against your nose and look into the viewfinder.

- Be sure not to block the lens, autofocus windows, exposure metering windows, illumination window or flash head with your fingers or hair.
- Be sure not to touch the lens barrel during zooming. (see p. 35)

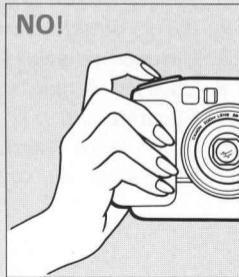
- 4) Spread your feet about shoulder width for a steady, natural stance.



4. Shutter Button Action

The shutter button activates three functions depending on the amount of the pressure applied.

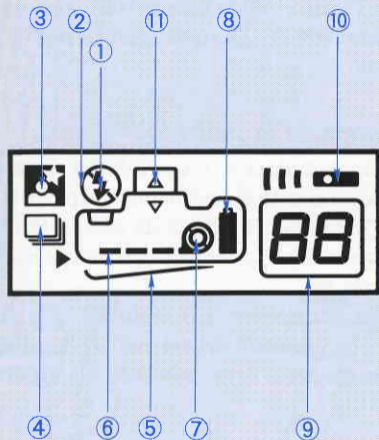
- 1) Press halfway for automatic focus and exposure metering. When the subject is in focus, the green lamp, in-focus symbol lights up.
- 2) Press completely to take the picture.
- 3) Press and hold completely for continuous shooting. (See p. 33)



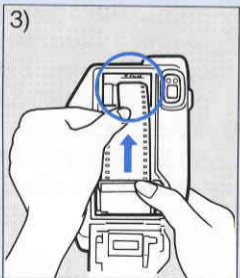
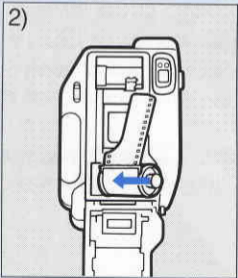
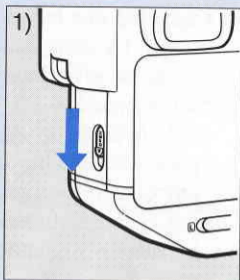
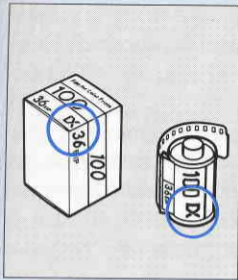
- The shutter cannot be pressed completely if the subject is not in focus.
- Shutter button action plays an important part in taking sharp pictures. A quick stroke with the tip of your finger or fingernail may cause unnecessary camera movement called "camera shake".

5. Checking the Display Panel Information

The camera uses a liquid crystal display to show shooting information. The diagram shows all the symbols for explanation purposes only and actually never looks like this.



1. Flash-on mode
2. Flash-off mode
3. Slow-sync. mode
4. Continuous shooting
5. Back cover open
6. Film transport
7. Film-load check
8. Battery check
9. Frame counter
10. Remote controller off
11. Intelligent framing zoom mode



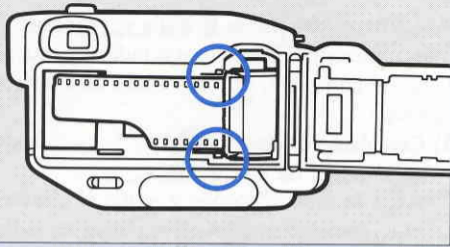
- After about five years, the display panel may become hard to read. Take the camera to the nearest Canon Service Facility for the replacement of the liquid crystal. Replacement will be at owner's expense.

6. Loading the Film

Use only DX-coded film. The camera automatically sets the film speed. (ISO 50 - 3200 according to DX code standard)

- 1) Slide the back cover latch down to open the back cover.
- 2) Insert the flat end of the film cartridge in first.
- 3) Carefully pull the film tip across **only** until it reaches the white line marked "FILM".

4)



4) Make sure that the film has no slack and close the back cover. The camera advances the film automatically and stops when "1" appears in the frame counter.

- If the film does not advance correctly, three indicators will blink in the display panel to warn you that the film needs to be reloaded. The three indicators are, the frame counter, the film transport bar marks and the back cover indicator " —".
- If non DX-coded film is used, the film speed will be set to ISO 100. The film does not load automatically, press the shutter button until "1" appears in the frame counter.
- For slide film, use only ISO 50, 100, 200, 400, 800, 1600, or 3200.



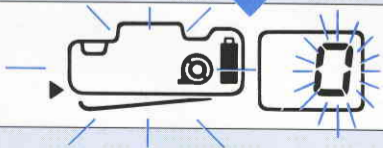
--- 36



--- 24





-- 12



7. Automatic Film Rewind

The film automatically rewinds at the end of the roll. During rewind, the frame counter counts in descending order.


Film rewind stops automatically when the film has been completely rewound.

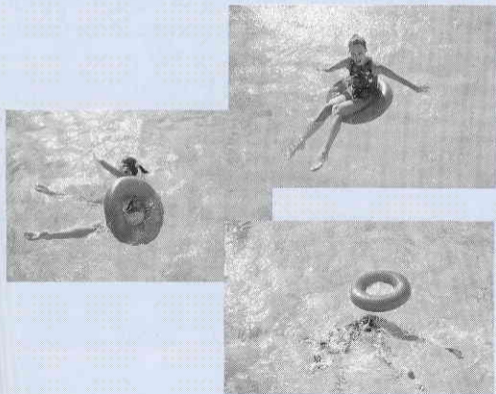
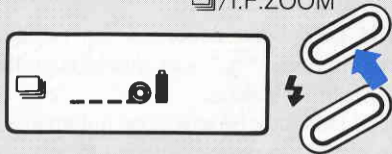
- 1) Make sure that “” and “” are blinking in the display panel.
- 2) Open the back cover and remove the film cartridge.

Mid-roll Rewind

Press the film rewind button on the top of the camera to rewind before the roll ends. Use the small projection provided on the neckstrap pad.

2)




 / I.F.ZOOM



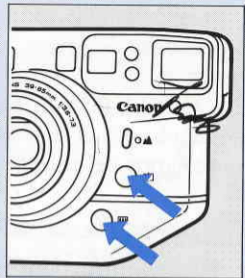
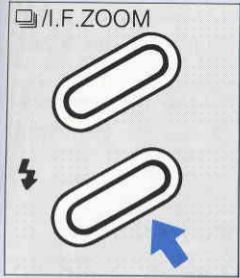
II. Basic Picture Taking Operations

1. Setting the Film Winding Mode


There are two automatic film winding modes:




- 1) *Single frame mode*: The film automatically advances to the next frame after each picture. This mode is automatically set each time you set the main switch to "A".
- 2) *Continuous* (): The film advances continuously when the shutter button is held down. (Maximum 1.2 frames per second). Press the shooting mode selector marked " / I.F.ZOOM" to display "" to set this mode.

- The continuous mode cannot be set when the remote control is in use.



2. Setting the Exposure Mode



Press the exposure mode selector marked “” to set the exposure mode. The symbols change in the sequence below:

- *Auto mode*: Automatically set each time the main switch is set to “A”. (No display symbol). Flash fires automatically in low-light or backlit conditions.
- *Flash-on mode* (): See p. 55
- *Flash-off mode* (): See p. 57
- *Slow-sync mode* (): See p. 59



WIDE

3. Zoom Operation

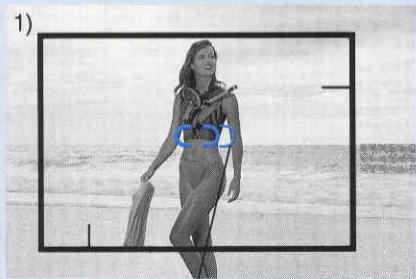
Look through the viewfinder and press the WIDE  or the TELE button . Compose the picture as you like, using the power zoom function.



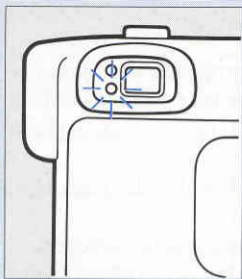
A wide (39 mm) angle-of-view is ideal for landscapes, group pictures, and when featuring an attractive background. With tele (85 mm), you can take better portraits by making the subject closer and eliminating unnecessary elements in the background.

4. Taking Pictures in Auto Mode

- 1) Put the AF frame over the intended subject. Be sure that the subject fills the AF frame.
- 2) Press the shutter button halfway to focus the subject. When the subject is in focus, the green lamp lights up.
 - When the red lamp lights up simultaneously, the flash fires automatically.
 - The subject's eyes may appear red in flash photos due to the light reflected from the retina. To minimize this, have the subject avoid looking directly at the camera.



*Close-up AF frame



3) Gently press the shutter button completely to take the picture.

• **Keep at least 2 ft/0.6m away from the subject for sharp focus.**

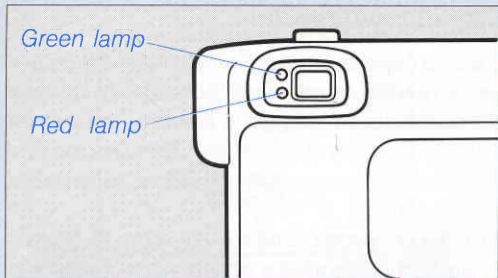
See p. 53 for close-up shooting.

Shooting distance range for automatic flash photography

(Using color negative film)

	WIDE (39 mm)	NORMAL (55 mm)	TELE (85 mm)
ISO 100	2.0-15.7 ft (0.6-4.8 m)	2.0-12.4 ft (0.6-3.8 m)	2.0-9.8 ft (0.6-3.0 m)
ISO 200	2.0-22.6 ft (0.6-6.9 m)	2.0-17.3 ft (0.6-5.3 m)	2.0-13.7 ft (0.6-4.2 m)
ISO 400	2.0-31.8 ft (0.6-9.7 m)	2.0-24.6 ft (0.6-7.5 m)	2.0-19.6 ft (0.6-6.0 m)
ISO 1000*	2.0-44.9 ft (0.6-13.7 m)	2.0-34.7 ft (0.6-10.6 m)	2.0-27.8 ft (0.6-8.5 m)
ISO 1600	2.9-63.6 ft (0.9-19.4 m)	2.2-49.2 ft (0.7-15.0 m)	2.0-39.3 ft (0.6-12.0 m)
ISO 3200	3.9-89.8 ft (1.2-27.4 m)	3.3-69.5 ft (1.0-21.2 m)	2.6-55.7 ft (0.8-17.0 m)

*Based on conversion of ISO 800 film.



Green and Red Lamps

The green and red lamps serve an important role in relaying information about shooting conditions. For sharp photos, be sure that the green lamp does **not** blink.

- *Green lamp* (AF in-focus/Too close warning)
 - 1) Lights up — when the subject is in focus.
 - 2) Blinks slowly (4 Hz) — when the subject is too close.
See p. 53. (shooting distance range: 2.0-3.3 ft/
0.6-1.0 m)
 - 3) Blinks rapidly (16 Hz) — when AF focusing is impossible due to the subject. See p. 45.
- *Red lamp* (Exposure mode/Camera shake warning)
 - 1) Lights up—on flash charge completion.
 - 2) Blinks slowly (4 Hz)—to warn you of camera shake.



Focus Lock

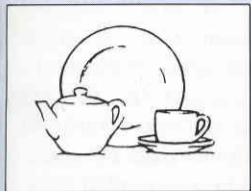
When your subject is not in the center of the picture frame, use the focus lock function. Focus on the intended subject remains locked as long as the shutter button is held halfway. This function lets you vary composition by putting the subject off-center.

- 1) First, put the AF frame over the intended subject, press the shutter button halfway to lock focus. Make sure the green AF symbol lights up.
- 2) Reframe the picture as desired while pressing the shutter button halfway. Press the shutter button completely to take the picture.

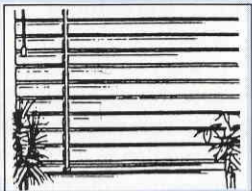


- When using focus lock, be sure that the distance between you and the subject does not change.
- Focus lock clears when you remove your finger from the shutter button.

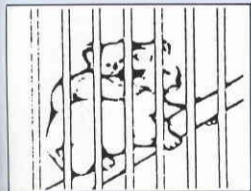
(A)



(B)



(C)



Difficult Subjects for Autofocus

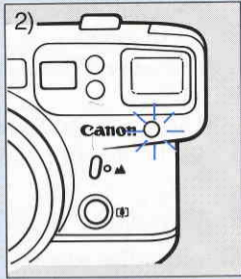
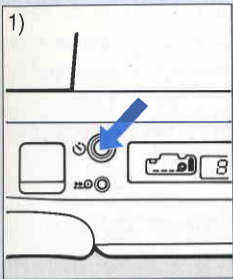
Although the camera's AF system of the camera is very accurate, it is not perfect. The following subjects are difficult for autofocus. When autofocus is impossible, the green lamp blinks rapidly (16 Hz).

Difficult Subjects

- Low contrast subjects
(misty scenes, light-colored or white subjects)
(A)
- Subjects having generally horizontal patterns
(window blinds) (B)
- Subjects with an object in front of them
(caged zoo animals)..... (C)
- Subjects with an extremely strong
light source inside the picture frame (D)
- Fast-moving subjects
(difficult to keep within the AF frame) (E)
- Subjects with repetitive patterns inside the
AF frame (F)

Focus these subjects as follows:

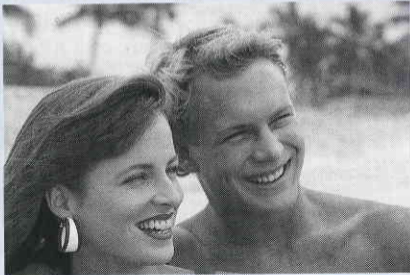
- 1) Autofocus on a substitute subject at the same distance from the camera as the intended subject, and then recompose the picture using focus lock function (A), (B), (D), (F)
- 2) Autofocus on a substitute subject at a point where the subject is anticipated to pass and press the shutter button when the subject enters this point, using focus lock function (E)

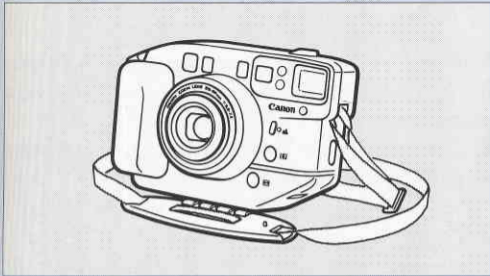


5. Self-timer photography

The self-timer function delays shutter release for 10 seconds to include yourself in the picture.

- 1) Put the AF frame over the subject and press the self-timer button. Be sure that the green lamp lights up.
- 2) The red light below the flash starts blinking slowly and then rapidly two seconds before the picture is taken. The time remaining appears in the frame counter.





- To cancel the self-timer before the 10-second delay finishes, press the self-timer button again or set the main switch to L.
- Use the shoulder pad as illustrated for better camera position.

6. Infinity Shooting Mode

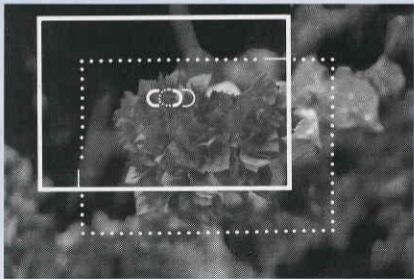
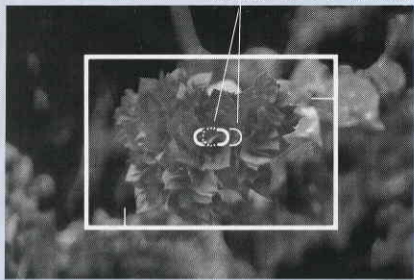
When shooting landscapes or a distant subject, hold the infinity button down while pressing the shutter button. This sets the lens at the infinity position. Always use this mode especially for landscapes without a dominant subject for sharp focus.



7. Close-up shooting

When the subject is in the close-up range (2.0-3.3 ft/0.6-1 m from the camera), the picture requires special composition. Follow the steps below:

- 1) Put the close-up AF frame over the subject and press the shutter button halfway. The green lamp should blink slowly (4 Hz).
- 2) While pressing the shutter button halfway, recompose the picture by putting the subject inside the parallax correction mark.
- 3) Press completely to take the picture.
 - The dotted lines show the composition that is required. These lines do not appear in the viewfinder.



- Autofocus may be impossible on extremely small subjects.
- At a distance closer than 2.0 ft/0.6 m, the green lamp may stop blinking. However, autofocus is impossible.

III. Advanced Picture Taking Operations

1. Flash-On Mode (⚡)

The flash fires for every picture. You can get better results outdoors, when you want to minimize shadows, or give a little additional light for “catch light” accents in portraits.

- The flash-on mode shooting distance range is exactly the same as the auto-flash mode, see p. 39. Stay within this range for best results.





2. Flash-Off Mode ()

Set the Flash-Off mode to cancel the flash when you want to take pictures of sunsets or are in places where flash use is not allowed, (i.e. theaters, museums).

- A blinking red lamp warns you of camera shake when the shutter speed becomes too slow for hand-held shooting (slower than $1/\text{focal length of the lens in use} \cdot \text{sec}$). Hold the camera steady by leaning against a tree, wall, or table. A tripod will also help to keep the camera steady.

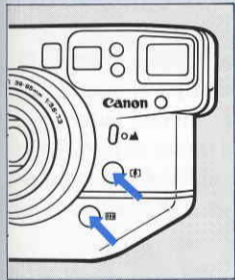
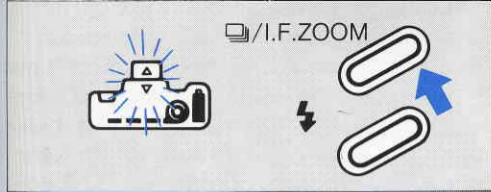


1cm

3. **Slow-sync Mode** ()

The flash fires with a slower shutter speed. Use this mode to illuminate the background of a night scene.

- Photos taken in this mode are susceptible to camera shake. To minimize this, hold the camera steady by placing it on a table or use a tripod.





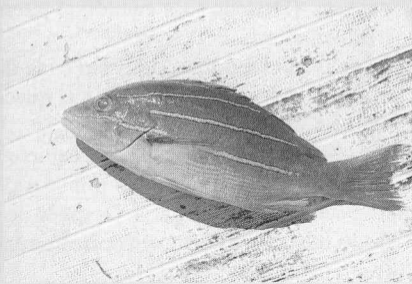
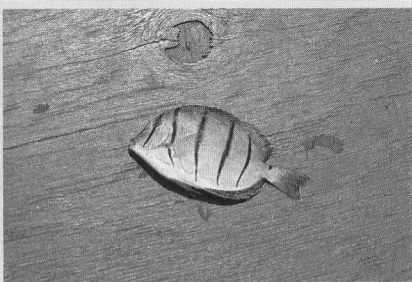
4. Intelligent Framing Zoom Mode


Once you set the shooting magnification, the camera memorizes it and lets you take pictures with the same subject size from a different shooting distance or angle.

Take various pictures keeping the subject's size the same, but with different backgrounds.

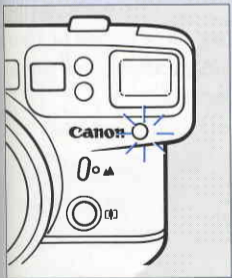
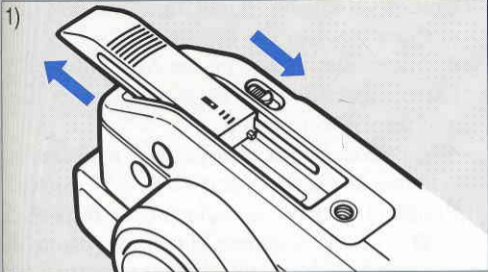
- This mode cannot be used with the remote controller detached or continuous shooting.
- For more flexibility in varying subject size, set a standard focal length of approx. 55 mm beforehand.

- 1) Press the shooting mode selector to display blinking "  ".
- 2) Press the TELE or WIDE button for a desired magnification.
- 3) Put the AF frame over the subject and press the shutter button halfway. The "  " lights up to indicate setting completion.



- The focal length appears in the frame counter when the shutter button is pressed halfway.
 - Once a magnification is set, the camera memorizes it even if the main switch is set to "L". To take pictures with the previously set magnification, press the shooting mode selector to display the intelligent framing zoom mode mark "  ". Repeat steps # 1, # 2, and # 3 to reset the magnification. If the main switch is operated, or the TELE button or the WIDE button is pressed after the magnification is set, the camera returns to the auto mode.
- 4) Press the shutter button to take the picture. The camera zooms automatically for the magnification set, even if the shooting distance changes.

- This mode cannot be used correctly if the subject is too close or too far, from the camera's zooming range.

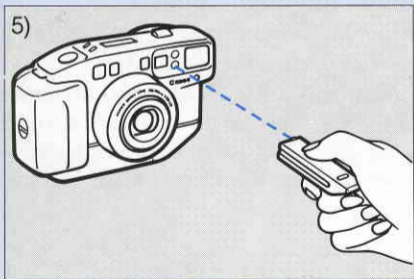
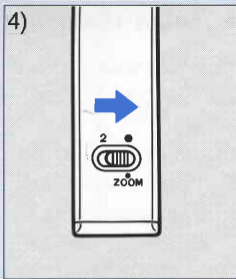
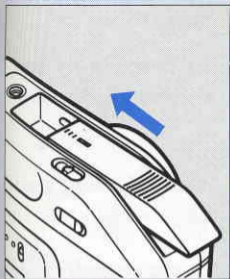


5. Remote Control Shooting

The remote controller gives you the freedom to take pictures without pressing the shutter button. This allows you to set up the scene, and get in the picture, too.

1) Remove the controller by sliding the release switch on the bottom of the camera in the direction of the arrow. Slide the controller in the reverse direction.

- The red light under the flash starts blinking indicating that the controller is detached from the camera. (Blinks only with main switch set at "A").
- To replace the controller, slide it in the direction of the arrow, and make sure it locks in with a click.
- The controller's circuitry requires that a picture be taken within eight minutes after being detached from the camera. After this period, replace the controller and remove it again.



- 2) Place the camera on a steady surface, such as a table or use a tripod.
- 3) Put the AF frame over the subject and press the shutter button halfway. Focus is locked for eight minutes.

- After pressing the shutter button halfway, do not change the distance between the camera and subject.

- 4) Set the release timing selector to “●” or “2” and aim the controller directly toward the front of the camera, not more than 16.4 ft/5 m away.

- 5) Press the control button to take a picture.


“●”: the picture is taken immediately when the control button is pressed.

“2”: the picture is taken after a two-second delay.

- When the subject is extremely backlit, e.g. with the sun behind it, the controller may not function.

6. Remote Control Zooming

Zooming can also be done with the remote controller to change the picture composition away from the camera.

- 1) Remove the remote controller.
- 2) Press the shooting mode selector to display the intelligent framing zoom mode mark " ".
- 3) Check previously the composition at each focal length of 39 mm, 55 mm and 85 mm. Put the AF frame over the subject and press the shutter button halfway.
- 4) Slide the controller's release timing selector to "ZOOM" and aim it directly toward the front of the camera. Each two presses of the control button sets the focal length in the cycle below:

85 mm → 55 mm → 39 mm



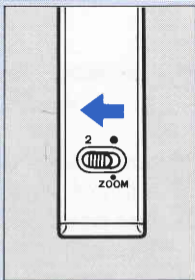
39 mm



55 mm



85 mm



- The focal length can be confirmed by the rate that the red lamp blinks:

39 mm: once every two seconds

55 mm: twice every two seconds

85 mm: three times every two seconds

- 5) After setting the desired focal length, set the release timing selector to "2" and press the control button to take the picture. The shutter is released after a two-second delay.

89 5 20

Display Panel
Ecran LCD
Panel de indicación

MODE

SELECT SET



Position Selector
Sélecteur de position
Selector de posición

Set Button
Touche de réglage
Botón de ajuste

Imprint Format Selector — marked "MODE"
Sélecteur de format d'impression — marqué "MODE"
Selector de formato de impresión — marcado "MODE"

89 5 20

Imprint Formats:

Year/Month/Day
Day/Hour/Minute
Month/Day/Year
Day/Month/Year

20 11:58

Format d'impression

Année/mois/jour
Jour/heure/minute
Mois/jour/année
Jour/mois/année

5 20 89

Formatos de impresión

Año/Mes/Día
Día/Hora/Minuto
Mes/Día/Año
Día/Mes/Año

20 5 89

IV. Date Imprint Function

The Sure Shot Zoom XL Date imprints the date on pictures automatically to make it easy to recall a special date or time.

A built-in calendar programmed through December 31, 2019 automatically compensates for long and short months and leap years.



- Simulated date
- Affichage simulé
- Fecha simulada

1. Selecting the Imprint Format

Each time the imprint format in the back selector (marked "MODE") is pressed, the date format in the back changes in the following sequence:

Year/Month/Day

Day/Hour/Minute

(No Imprint)

Month/Day/Year

Day/Month/Year

The format appearing in the display panel will be imprinted in orange when using color film. A dark background is best for data imprinting.

- If no date imprint is desired, make sure the hyphens appear in the display panel. They will not appear on the photo.

The date imprint confirmation mark "—" blinks after the shutter button is pressed indicating that the date has been imprinted.

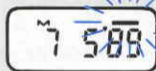


'89 ^M7 5

MODE



SELECT SET



^M7 5 88

MODE



SELECT SET

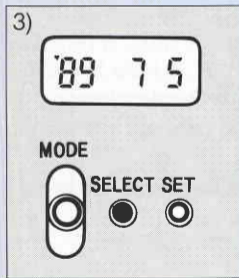
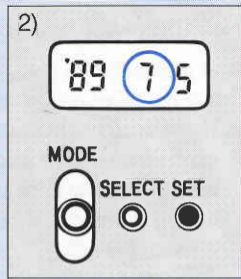
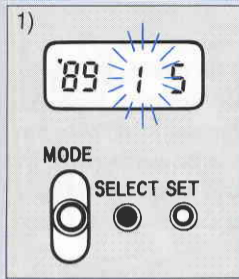


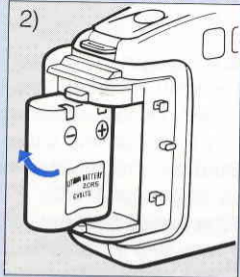
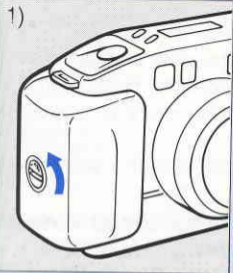
2. Setting the Date and Time

Each time the position selector is pressed, the digits blink in the order of: year, month and date. **M** appears above the month position, but will not be imprinted.


- 1) Press the position selector for the desired position.
- 2) Press the set button to enter the desired number.
- 3) Press the position selector again to complete the setting.


- Hold the set button down to increase the number quickly.



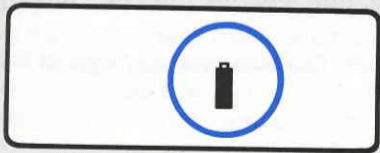


Battery Replacement

If the battery check indicator "  " disappears from the display panel, replace the battery as follows:

- 1) Use a coin to turn the lock counter clockwise one quarter of a turn (90°). Do not attempt to force the lock to turn more than this. The lock cannot be removed from the grip.
- 2) Remove the grip and take the battery out.
 - With the Sure Shot Zoom XL Date, the date back display will be "87 1 1". Reset the date.
- 3) After confirming that the battery check indicator "  " appears in the display panel, replace the grip securely.
 - Be sure to follow the disposal precautions on the battery package.

3)



Specifications

Type: 35mm lens-shutter camera with autofocus and built-in power zoom lens

Lens: Spectra-coated, 39-85mm f/3.6-7.3; Construction: 9 elements in 8 groups

AF System: Canon SST (Solid State Triangulation) passive autofocus system

AF Working Range: EV 2-18 (at ISO 100)

AF Auxiliary Light: Infrared light is automatically projected when necessary.

Shooting Distance Range: 2.0 ft/0.6 m to infinity

Infinity Shooting Mode: By pressing the infinity shooting mode button. Lens is set at infinity position.

Viewfinder: 1" (25mm) High-eyepoint, real-image zoom; Gives 84% coverage of actual picture area and $0.42 \times$ (WIDE)/ $0.81 \times$ (TELE) magnification.

Viewfinder Information: In the viewfinder: autofocus frame, close-up autofocus frame, picture frame with parallax correction frame. Next to viewfinder: Green LED lights steadily when subject is in focus, blinks

at 4 Hz when the subject is too close and blinks at 16 Hz when AF focusing is impossible. Red LED lights steadily on flash charge completion and blinks at 4 Hz to warn of camera shake.

Shutter: Programmed electronic shutter; also serves as diaphragm blades

Film Speed Setting: ISO 50-3200; automatically set in one-step increments according to DX code.

Film Load/Wind/Rewind: Automatic; Mid-roll rewind also possible. Automatic rewind starts at the end of the film and stops automatically upon completion (Takes approx. 20 sec. for 24-exp film)

Self-timer: Built in electronic self-timer; starts by pressing the self-timer button. Provides a 10-sec delay.

Automatic Exposure Coupling Range (at ISO 100):

Exposure mode	WIDE	TELE
1) Auto mode	EV 9-17 (f/3.6, 1/40sec to f/22, 1/250sec)	EV 12-19 (f/7.3, 1/80sec to f/45, 1/250sec)
2) Flash-on mode		
3) Slow sync mode	EV 2.5-17 (f/3.6, 2sec to f/22, 1/250sec)	EV 4.5-19 (f/7.3, 2secs to f/45, 1/250sec)
4) Flash-off mode		

Exposure Compensation: Automatically activated by +2 steps when required.

Flash: Built-in automatic zoom flash

Guide Number (at ISO 100): WIDE: 38.7 ft/11.8 m
TELE: 47.2 ft/14.4 m

Flash Coupling Range (at ISO 100): WIDE: 2 ft-16.4 ft (0.6-5m)

TELE: 2 ft-9.8 ft (0.6-3m)

Flash Recycling Time: Approx. 2.5 sec.

Remote Control Function: Dedicated remote control system using infrared light; operates at pressing the control button.

- 1) Shutter release (immediate or 2-sec delay)
- 2) Zooming (in three steps: 39 mm/55 mm/85 mm)

Operating Range: 16.4 ft/5 m from directly in front, 11.4 ft/3.5 m at 25°. Power source: Two, 3V lithium batteries (CR1220). Battery life: About 20,000 transmissions. Replacement is at owner's expense at an authorized Canon Service Facility.

Power Source: One, 6V lithium battery pack (2CR5). Replaced by removing the grip.

Shooting Capacity: 35 rolls with 24-exp. film (with 50% flash operation)

Dimensions: 6" (W) × 3-5/8" (H) × 2-9/16" (D)
(153 × 92.5 × 65 mm)

With date back: Depth increases 1/16" (3 mm)

Weight: 20.8 oz. (590 g) without battery
22.2 oz. (630 g) with battery

With date back: Weight increases 0.4 oz. (10 g)

Date Imprint Function Specifications

Type: Built-in LCD (liquid crystal display) quartz digital automatic calendar and clock.

Clock Accuracy: Accurate within 120 sec-per-month at normal temperature (68°F/20°C)

Power Source: Same as the body.

All data are based on Canon's Standard Test Method. Subject to change without notice.