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Canon
PHOTURA

Introduction

Thank you for selecting a Canon camera.
The Canon **Photura** features a revolutionary new shape designed to efficiently house several high-performance functions. The long body is wrapped around a **high-power 3X zoom lens** which enables you to bring far subjects up close.

The **high-power, auto-zoom flash** built into the lens cover complements these functions to provide overall high-performance operation. And the high-performance **Smart Autofocus** precisely focuses both near and far distances.

These and other advanced features provide the **Photura** with a level of performance unsurpassed by conventional cameras.
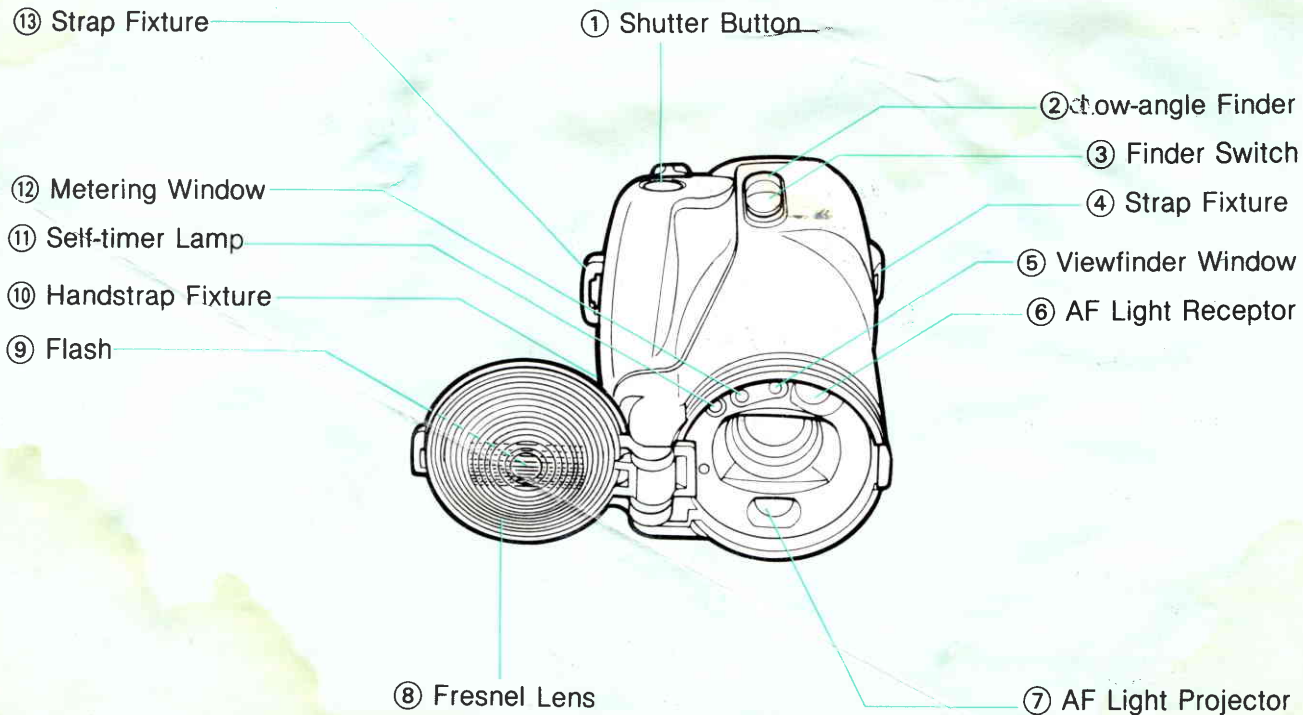
Features

1. Large-aperture, 3X power zoom lens provides high image quality
2. High-power auto-zoom flash built into the lens cover (Guide No. **39—82·ft/12—25· m at ISO 100**)
3. High-performance Smart AF
4. Eye-level and low-angle viewfinders for comfortable shooting from any position
5. Fully-automatic film transport with easy, drop-in film loading

Please read these instructions carefully for a thorough understanding before taking pictures. While reading this booklet, unfold the front flap for easy reference to the camera's parts.
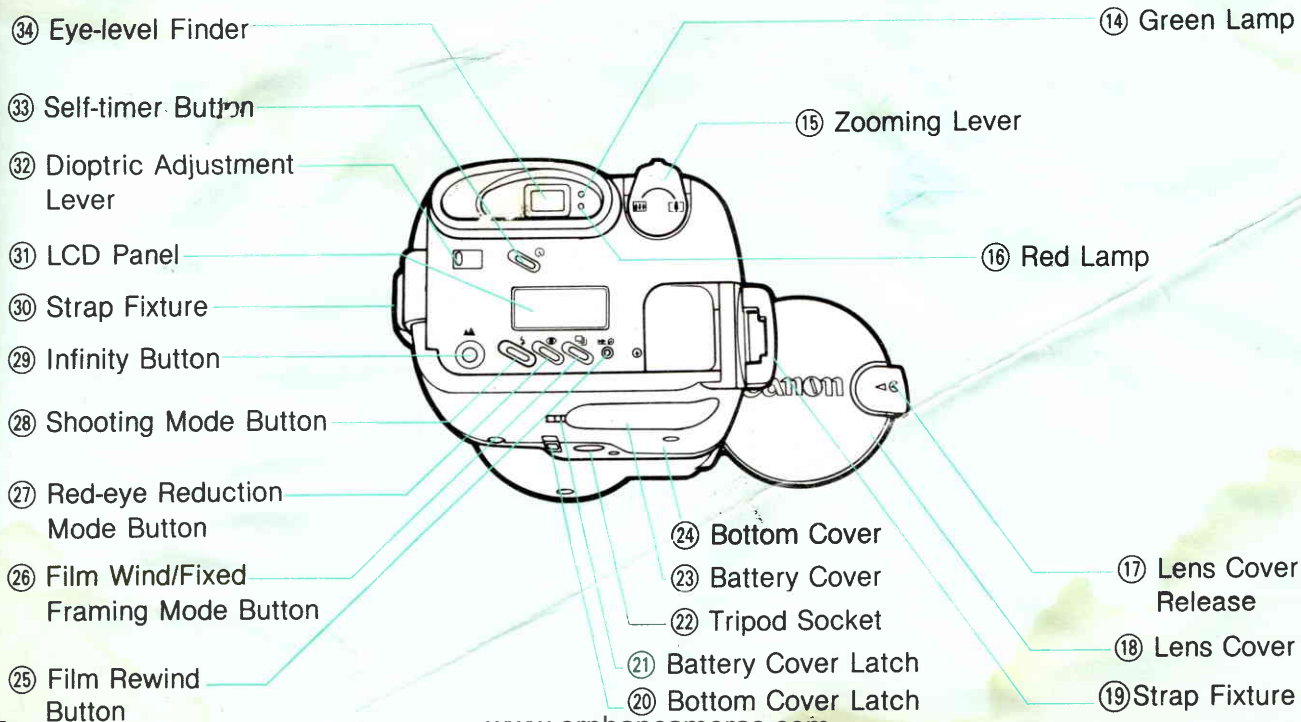
NOMENCLATURE

⑬ Strap Fixture

① Shutter Button

② Low-angle Finder

③ Finder Switch

⑫ Metering Window

④ Strap Fixture

⑪ Self-timer Lamp

⑤ Viewfinder Window

⑩ Handstrap Fixture

⑥ AF Light Receptor

⑨ Flash

⑧ Fresnel Lens

⑦ AF Light Projector

㉞ Eye-level Finder

㉝ Self-timer Button

㉜ Dioptric Adjustment Lever

㉛ LCD Panel

㉚ Strap Fixture

㉙ Infinity Button

㉘ Shooting Mode Button

㉗ Red-eye Reduction Mode Button

㉖ Film Wind/Fixed Framing Mode Button

㉕ Film Rewind Button

⑭ Green Lamp

⑮ Zooming Lever

⑯ Red Lamp

㉔ Bottom Cover

㉓ Battery Cover

㉒ Tripod Socket

㉑ Battery Cover Latch

⑳ Bottom Cover Latch

⑰ Lens Cover Release

⑱ Lens Cover

⑲ Strap Fixture

5

Table of Contents

Handling Precautions !

1) This camera is <u>not resistant to water</u>, and cannot be used underwater or outdoors if raining or snowing. If accidentally dropped in water, contact an authorized Canon service facility as quickly as possible. Remove water droplets from the camera with a clean dry cloth. If exposed to salt spray, clean it thoroughly afterward with a clean, damp, well-rung 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. Always take it to an authorized Canon service facility for repair.

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 hand-checked 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.

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## 1. Attaching the Handstrap

Attach the handstrap to the fixtures as illustrated.
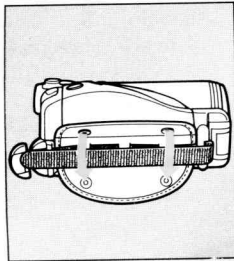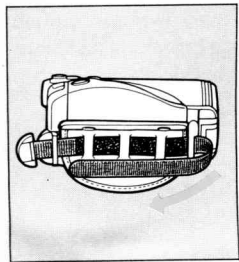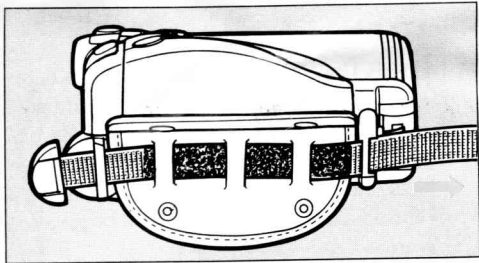
2. Loading the Battery

This camera uses one, 2CR5 six-volt lithium battery.

1) Slide the battery cover lock in the direction of the arrow to remove the battery cover.
2) As shown in the illustration, load the battery so that its terminals face in toward the camera. Make sure the battery is pushed in all the way until it is locked by the orange lever.
3) Make sure that the battery check symbol " ▮ " appears on the LCD panel and replace the cover by inserting the curved side in first and then press the lock side down.
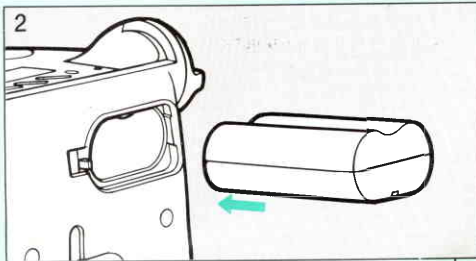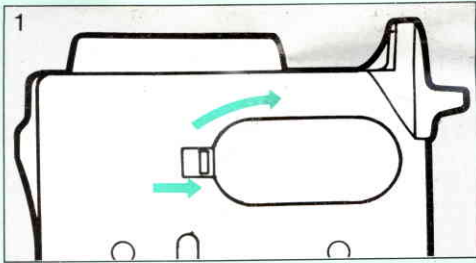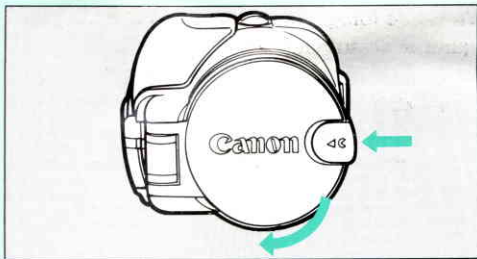
Attention
When replacing the battery, *be especially careful NOT to open the bottom cover* which protects the film. Remove the black battery cover to replace the battery.
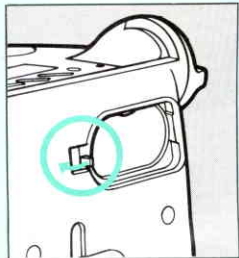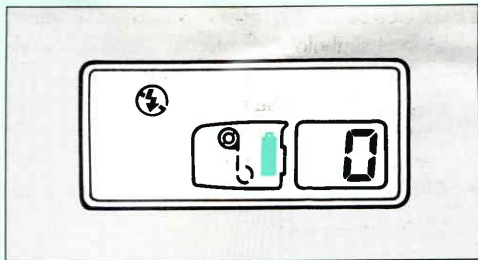
- When removing the battery, push the orange lever towards the lock to release the battery.

3. Checking the Battery

Check the battery to ensure readiness before shooting.

1) Press the lens cover release to open the lens cover.
   - The camera is turned on and off by opening and closing the lens cover.

2) Confirm that battery check symbol " ▌ "
   is displayed on the LCD panel.
   • If the battery check symbol blinks, have
     a new battery handy. If the battery
     check symbol does not appear, replace
     the battery.

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

• When you intend to take many pictures, i.e.
  on a trip or at a wedding, be sure to take
  along a spare battery.

**When the camera is not in use, close the
lens cover to protect the lens and pre-
vent battery drain.**
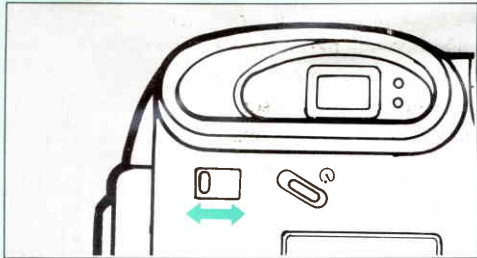
4. Dioptric Adjustment

The eye-level finder is provided with a dioptric adjustment function which enables you to adjust the eyepiece diopter to match your eyesight. If the image in the viewfinder is not clear, slide the dioptric adjustment lever left or right until you can see the viewfinder image clearly.

• The adjustment range is from − 2 dpt to 0 dpt (diopter).

5. Holding the Camera

Unsharp pictures caused by camera movement may occur if the camera is not held steadily. Try the following holding technique to ensure sharp pictures.

1) Pass your right hand through the handstrap and securely grasp the camera's grip section. Keep your right elbow close to your body.
2) Grasp the left side of the camera body with your left hand for added support.
3) Hold the camera lightly against your nose and look through the viewfinder (eye-level finder).
4) Place your feet slightly apart with one foot slightly forward for a steady stance.
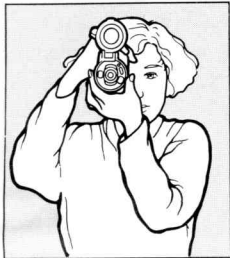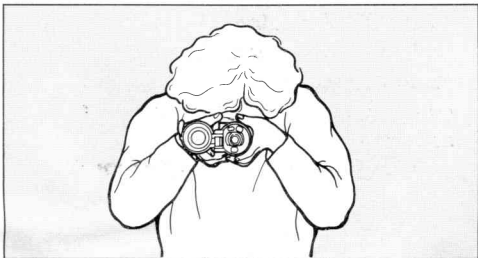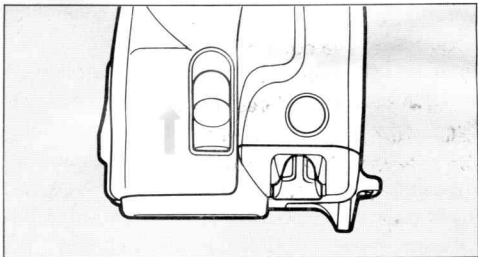
This camera is equipped with a low-angle finder handy for pictures of children or for close-up pictures of flowers, etc. (see page 81). Choose between the eye-level finder and the low-angle finder by sliding the finder switch. Hold the camera as illustrated when using the low-angle finder.

A WORD ABOUT HOLDING THE CAMERA

The camera is okay to hold with one hand at wide settings (near 35 mm). However, we recommend both hands at telephoto settings (70 mm or longer) for best results.

6. Zoom Operation
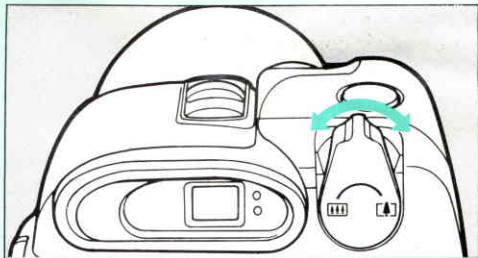
You can freely change the picture composition without moving from your shooting position by turning the zooming lever.

Use a telephoto setting to bring far subjects near or to take flattering portraits of people by eliminating distracting background elements. Use a wide-angle setting for group pictures or landscapes.
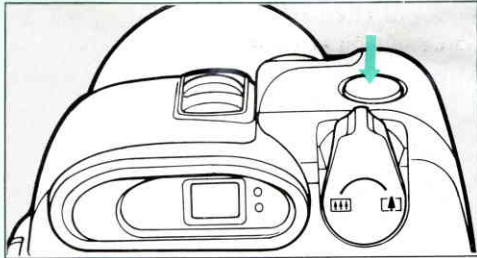
- The lens barrel retracts automatically when closing the lens cover.
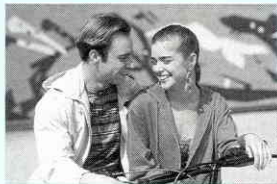
105 mm

35 mm

7. Shutter Button Action

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

1) Press *halfway* for focus and metering.
2) Press *completely* to take the picture.

- 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". Rest the ball of your finger on the shutter button, press the button halfway to focus the subject, and then press the button completely using a gentle squeezing action.

8. LCD Panel Information

Shooting information is shown on the LCD panel. For quick recognition, pictographs and symbols are used for various functions.
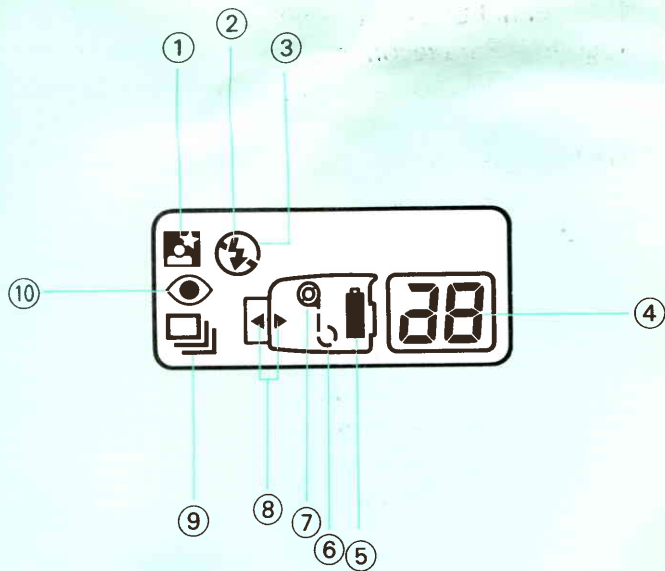
① Slow-Sync mode
② Flash-on mode
③ Flash-off mode
④ Frame counter
⑤ Battery check symbol
⑥ Film transport marks
⑦ Film cartridge symbol
⑧ Fixed framing zoom mode
⑨ Continuous shooting mode
⑩ Red-eye reduction mode

• This diagram shows all the symbols for explanation only. The LCD panel never actually looks like this.

- If "1E", "2E", or "3E" ever appear on the LCD panel, remove the battery and reload it, and close the lens cover and reopen it. If that does not correct the problem, take the camera to your nearest authorized Canon service facility.
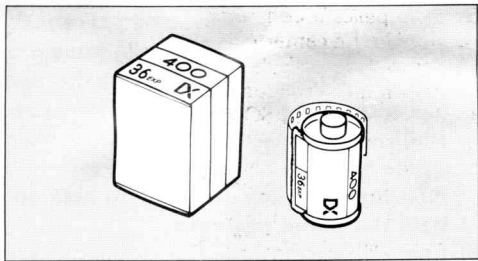
Use only DX-coded film whenever possible.
The camera automatically sets the film speed.
We recommend using high-speed color negative film (ISO 200 or 400) to prevent camera shake.

- Any DX-coded film with a film speed in the range of ISO 25-3200 can be used.
- For slide film, use DX-coded film with a speed of ISO 25, 50, 100, 200, 400, 800, 1600, or 3200.
- If non DX-coded film is used, the film speed is automatically set to ISO 25.
- Due to the special film transport system, protect the film end from dampness caused by high humidity.

If the film does not advance correctly, the film transport marks and ''0'' blink on the LCD panel. Reload the film.

4
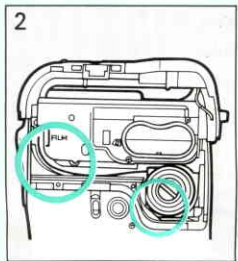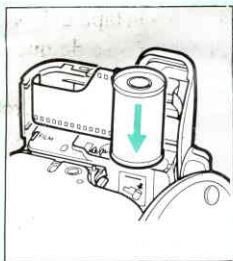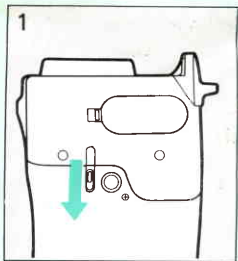
1) Open the bottom cover by sliding the bottom cover latch.
2) Make sure there is **about 6.5 cm/2-1/2"** of film leader extended from the film cartridge. With the flat side of the cartridge up, drop the film into the film chamber and align the film tip with the white mark. **Be sure that the cartridge is positioned below the small panel.**
3) Close the bottom cover. The film automatically advances to the first frame and "1" appears in the frame counter.
   - When using DX-coded film of ISO 25 or non DX-coded film, press the shutter button four or five times until "1" appears in the frame counter.
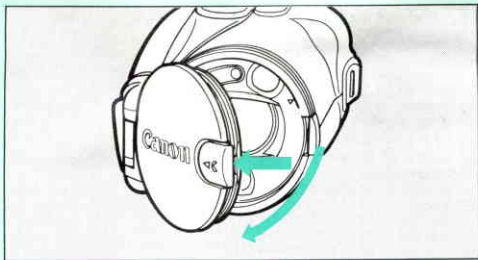
II. Basic Picture Taking

1. Turning on the Camera

Open the lens cover by pressing the release. The lens cover also serves as the camera's on/off switch.

Each time the battery is loaded, the camera is automatically set to flash-off mode. This mode is for normal daylight situations and also enables you to take existing light pictures such as sunsets or in locations where flash is prohibited such as in theaters or museums.
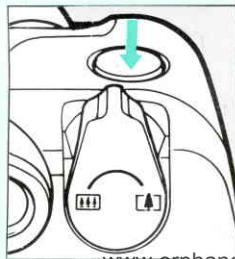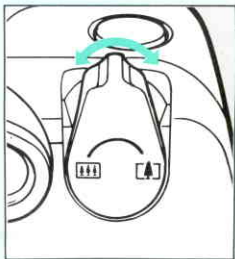
2. Taking Pictures

1) Compose the picture using the zooming lever and the AF frame.
2) Press the shutter button halfway to focus the subject. The green lamp lights up when the subject is in focus.
- With the Smart AF system, the subject is in focus even if it does not fill the AF frame completely.
3) Gently press the shutter button all the way down to take the picture.

① Parallax Correction Lines
② Picture Frame
③ AF Frame

- If the red lamp starts blinking slowly, switch to flash-on mode (see page 63) or mount the camera on a tripod or place it on a stable surface.
- In backlit conditions, the camera automatically compensates the exposure by 1 stop if necessary to prevent underexposure of subject.
- Keep at least **2.6 ft (0.8 m)** away from the subject for sharp focus.
- When shooting at or near the closest shooting distance of **2.6 ft (0.8 m)**, make sure the subject is positioned **below** the parallax correction lines.
- For pictures through a window, position the camera as close to the glass as possible.
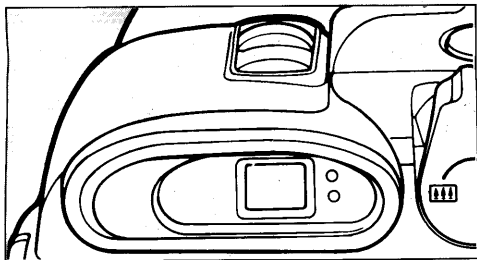
Green and Red Lamps

The green and red lamps beside the view-finder serve to inform you of important shooting conditions as follows:

Green Lamp

1) Lights up: The subject is in focus.
2) Blinks slowly (4 times/sec): The subject is not in focus, subject is too close.
3) Blinks rapidly (16 times/sec): Single-spot focusing is set. (See page 57.)
• The green lamp may light up when closer than **0.8 m/2.6 ft**, but the subject cannot be focused.

Red Lamp

1) Lights up: Flash charging is completed.
2) Blinks slowly (4 times/sec): Camera shake warning (in flash-off mode only)
3) Blinks rapidly (16 times/sec): The red-eye reduction lamp lights up.
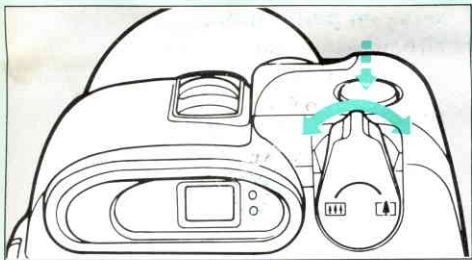
Single-Spot Focusing

For vertical composition, extremely small subjects, or for subjects extremely off-center use single-spot focusing and the focus lock function.

1) Place the AF frame over the subject and press the shutter button halfway.
2) While pressing the shutter button halfway, turn the zooming lever to the left or right. A rapidly blinking green lamp indicates that single spot focusing is set.

   You may let go of the lever once the green lamp starts blinking.

3) Keeping the shutter button pressed half-way, recompose the picture as desired.
4) Press the shutter button completely to take the picture.
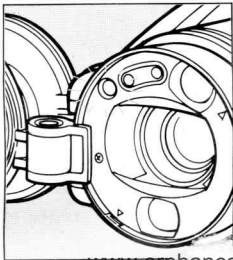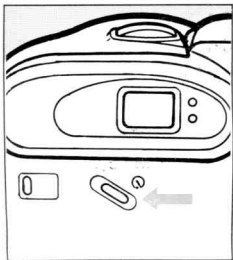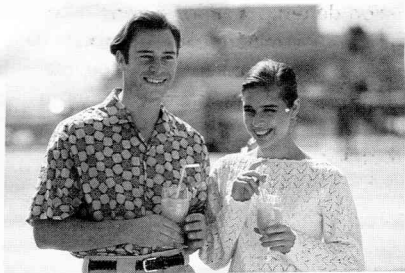
The self-timer function delays shutter release for 10 seconds to allow you to include yourself in the picture. Place the camera on a flat, steady surface or mount it on a tripod. Compose the picture and press the self-timer button.

- The red self-timer indicator starts blinking slowly and then rapidly two seconds before the picture is taken.
- Press the self-timer button while **standing behind or to the side** of the camera for proper focus.
- **To cancel** the self-timer before the 10-second delay finishes, press the self-timer button again or close the lens cover.
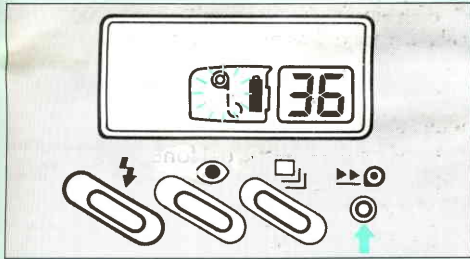
4. Removing the Film

The film is rewound automatically at the end of the roll. The film transport marks blink and the frame counter counts down while the film is rewinding. Film rewind stops automatically when the film has been completely rewound.

1) Before opening the bottom cover, <u>make sure the film cartridge symbol is blinking</u> on the LCD panel.

2) Open the bottom cover and remove the film cartridge.

- To rewind film in mid-roll, p⟶ ᴉe film rewind button using the p⟶⟶ on the neckstrap's shoulde⟶⟶
- If more than the ⟶⟶ fied on t⟶ ᶠⁱˡᵐ fr⟶

::.. Other Operations

1. Selecting the Shooting Mode

Press the shooting mode button " $\frac{1}{4}$ " to change the shooting mode in the following sequence.

" (⑤) " **Flash-off mode** ➡ " $\frac{1}{4}$ " **Flash-on mode** (see page 67) ➡ " ⚡$\frac{1}{4}$ " **Slow-sync mode** (see page 69)
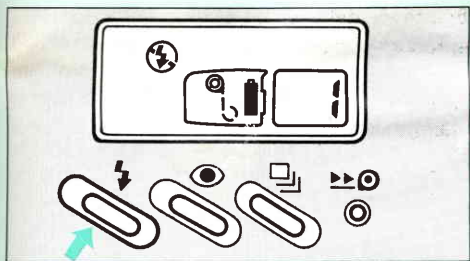
The flash shooting range in flash-on and slow-sync mode is below. For proper flash coverage, be sure to stay within the range of the film in use.
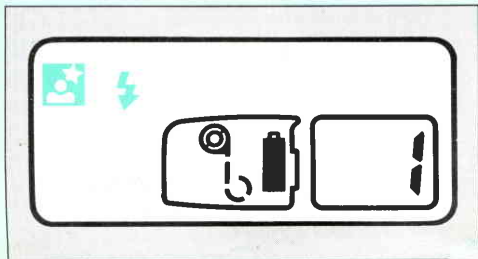
ISO 100	2.6— 19.7 ft/0.8— 6 m
ISO 200	2.6— 27.9 ft/0.8— 3.5 m
ISO 400	3.3— 39.3 ft/1.0—12 m
ISO 1600	6.2— 78.7 ft/1.9—24 m
ISO 3200	8.9—105　ft/2.7—32 m
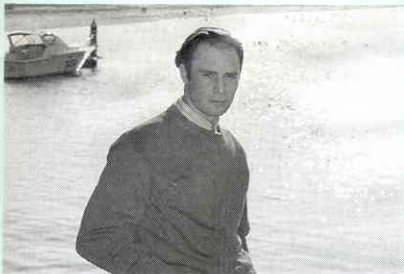
1) " ⚡ " Flash-on Mode

Use this mode in low-light or backlit conditions. You can also use this mode to fill in the shadows of a backlit subject in front of a bright window or backed by the sun.
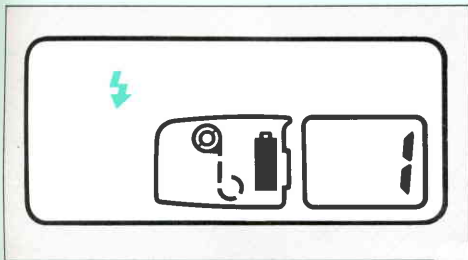
2) " 🖼 ⚡ " Slow-sync Mode

In this mode, the flash fires to illuminate the subject and a slow shutter speed is set to properly record the background.
Use this mode when shooting at night or indoors with the flash or to keep the background properly exposed.

- Since a slow shutter speed is set in this mode, mount the camera on a tripod or place it on a stable surface to prevent camera shake.

* With flash photos, automatic exposure compensation of + 1 stop will be applied in backlit conditions if necessary, when the camera is too far from the subject. This is to prevent subjects from coming out too dark.
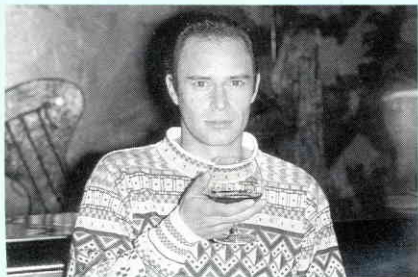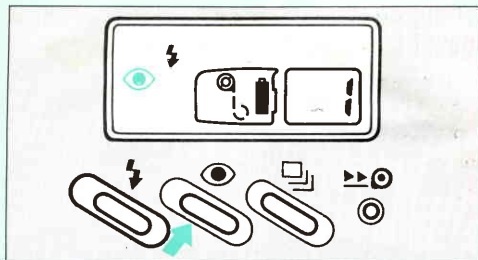
Red-eye Reduction Mode

When taking pictures of people using flash, the light sometimes reflects off the retina causing eyes to appear red in the picture. This problem is called *"red eye"*. The camera is equipped with a red-eye reduction mode to minimize this. *This mode is automatically set when you load the battery.*

1) Press the '' ◉ '' button so that the symbol appears in the LCD panel.

2) When the shutter button is pressed halfway in flash modes, a lamp in the flash illuminates the subject if necessary to reduce the size of the subject's pupils and minimize the chance of red eye.

For the best ave the subject look t the + is lit.

2. Continuous Shooting

Continuous shooting can be set by pressing the " ⬒ " button so that " ⬒ " appears on the LCD panel. In this mode, you can take pictures continuously maximum 1 frame/sec by holding the shutter button down.
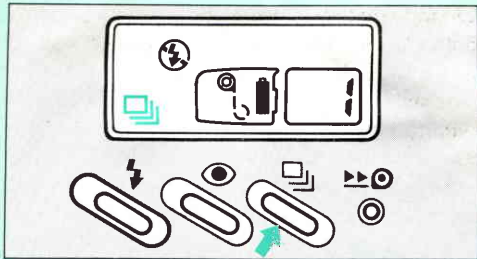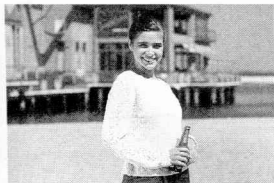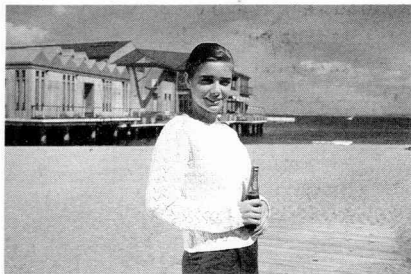
3. Fixed Framing Zoom Mode

In this mode, the lens automatically zooms when the shooting distance changes in order to maintain a constant magnification $0.018\times$. This is handy when taking portraits to keep the subject framing constant while varying the background, or when taking pictures of different subjects which must maintain the same proportional size on the resulting prints.
The distance range is **2—5.6 m/6.6—18.3 ft.** Do not exceed this range.
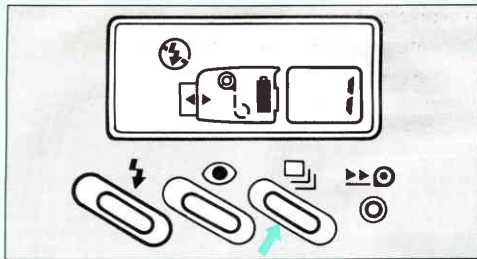
1) Press the " ➡ " button twice so that " ◄► " appears in the LCD panel.
2) Press the shutter button to take a picture. Even if the shooting distance changes, the lens automatically zooms in or out to maintain constant magnification.

- **To cancel** fixed framing zoom mode, press the " ➡ " button again or close the lens cover.
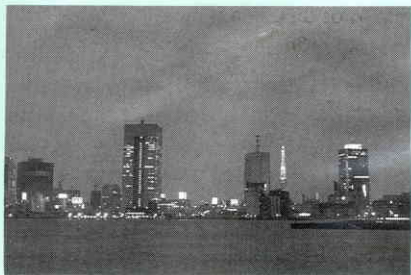
4. Infinity Button

When taking pictures of distant scenes such as landscapes, you can achieve even sharper pictures by holding down the infinity button while pressing the shutter button.
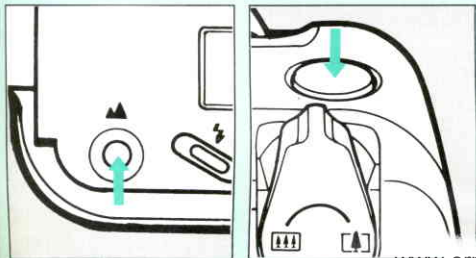
(may be sold separately in some areas)

The close-up attachment consists of a close-up lens and a flash diffuser integrated into a single unit. Using this attachment, you can shoot from **0.55—0.9 m (1.8 to 2.9 ft).**

The flash diffuser regulates the flash output to reduce the chance of overexposure.
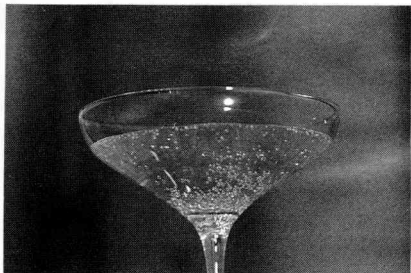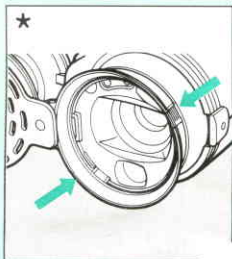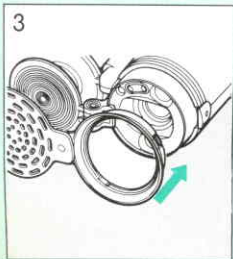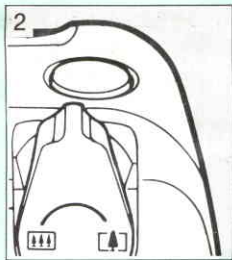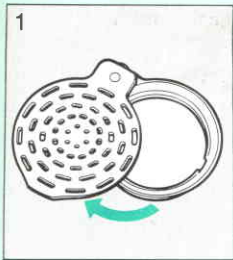
1) Slide the flash diffuser to open. **DO NOT LIFT** the diffuser.
2) Turn the zooming lever to the right or left to set the lens barrel to the telephoto side.
3) Attach the close-up attachment to the camera as illustrated.
   * To remove, pull the attachment off while pressing in its locks.
4) Compose and shoot.
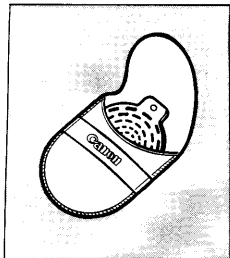
- Slide film cannot be used.
- Too-close warning (slowly blinking green lamp) is canceled.

When shooting only at the closest distance of 0.55 m/1.8 ft, make sure subject is positioned below the parallax correction lines.

- Use the low-angle finder (see page 31) when taking close-up pictures of flowers, etc., for better positioning.
- Remove the close-up attachment before closing the lens cover.
- When not in use, be sure to store the attachment in its case for protection.

Neckstrap and Soft Case

Attach the neckstrap as illustrated.
When not in use, be sure to store the camera in its soft case (sold optionally in some areas) for protection.
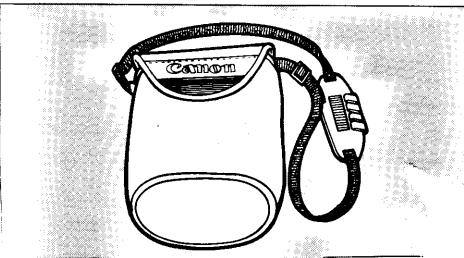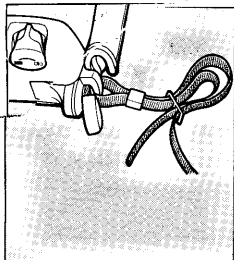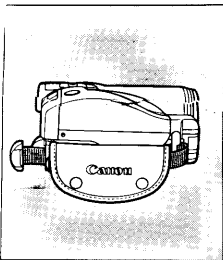
V. Specifications

General

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

Format: 24 × 36 mm

Lens: Canon 35—105 mm f/2.8—6.6

Shooting Distance Range: 2.6 ft/0.8 m to infinity (**1.8—2.9 ft/0.55—0.9 m** when using dedicated close-up attachment)

Viewfinder: (1) Real-image eye-level finder - Magnification: 0.35 × (WIDE), 1.05 × (TELE); (2) Real-image low-angle finder - Magnification: 0.21 × (WIDE), 0.62 × (TELE); Switchable

Diopter Adjustment: − 2 to 0 dpt (using dioptric adjustment lever)

er Information: Focus mark, picture and parallax correction lines in the viewer; Green LED on viewfinder eyepiece indites AI-AF focus, too-close warning, and le-spot AF in-focus; Red LEr licate era-shake warnin

d electr driven

Autofocus

AF Control: Evaluative Active System; single spot focusing p ing possible; provided with infinity mode

Exposure Control

AE Control: Program AE using 3-zone metering system

Metering Range: (at ISO 100)

Flash-on mode: WIDE: 1/100 f/2.8—1/250 f/11 (EV 9.75—15); **TELE:** 1/100 f/6.6—1/250 f/27 (EV 12.25—17.5)

Flash-off/Slow-sync mode: WIDE: 2 sec f/2.8—1/250 f/11 (EV 2—15); **TELE:** 2 sec f/6.6—1/250 f/27 (EV 4.5—17.5)

Exposure Compensation: + 1-stop automatic exposure compensation for backlit scenes

Film Handling

Film Speed Setting: ISO 25-3200; automatically set in 1-stop increments according to DX code; -DX-coded film set to ISO 25.

Film Loading: Automatic, drop-in loading system n automatic blank frame advance for DX- led film.

Film Winding: Automatic, single-frame or continuous shooting (1 fps) user selectable

Film Rewinding: Automatic at end of film, stops automatically when finished; Mid-roll rewind possible

Frame Counter: 7-segment, 2-digit LCD display counts up during film winding and counts down during rewinding; Warns of film loading failure

Flash

Built-in Flash: Automatic zooming coupled to lens zooming; equipped with red eye reduction lamp

Guide Number: (at ISO 100) 39—82•ft/12—25•m

Flash Coupling Range: 2.6—19.7 ft/0.8—6.0 m (using ISO 100 color print film)

Recycling Time: Approx. 2.5 sec

Flash Firing: Flash-on, Flash-off, and Slow-sync modes user-selectable using shooting mode button

Other

Self-timer: Electronically-controlled 10-second delay timer activated by self-timer button; Red LED on front of body blinks during operation; frame counter counts down indicating remaining delay time

Power Source

Battery: One 6V lithium battery (2CR5)

Shooting Capacity: Approx. 35 rolls of 24-exp. film with 50% flash use

Battery Check: Three-step battery level indication on LCD panel: Lights ➡ Blinks ➡ Extinguished

Size

Dimensions: 3-15/16'' (W) × 2-7/8'' (H) × 6-1/8'' (D) (99.5 × 73.5 × 155.5 mm)

Weight: 600 g (21.2 oz.) without battery
640 g (22.6 oz.) with battery

All data are based on Canon's Standard Method.

Subject to change without notice.