A GUIDE TO CANON CAMERAS

All the facts, features and advantages Canon Cameras give your customers.

1986 EDITION

Canon

INTRODUCTION

This <u>Guide To Canon Cameras</u> is designed to help you, the be-hind-the-counter camera salesperson to understand 35mm cameras in general and the main differences between the many Canon models.

The guide is divided into two sections—35mm single-lens reflex (SLR) cameras and 35mm lens-shutter cameras. At the beginning of this book is a general explanation of each type of camera's features.

Technology has brought about many sophisticated changes in 35mm camera operation, and Canon, as the world's leader in 35mm photography, has introduced many new models featuring these advances.

CONTENTS

CANON SLR CAMERAS

Single-lens reflex (SLR) cameras are the most versatile and flexible cameras available. Their major advantage is lens interchangeability. You can actually see through a variety of picture-taking lenses so you can obtain precise composition. They are sophisticated enough to be the overwhelming choice of most professional photographers. Yet by using advanced technology, Canon has added features that make them simple enough for just about anyone to use.

AUTOMATIC EXPOSURE AND 35mm FILM

Canon SLR cameras can use many different types of color and black-and-white films which have different sensitivities to light. These films have a standard rating system, called ISO, which provides a number to rate the film sensitivity.

Simply set the camera's film speed dial to the setting that corresponds with the film's ISO number and the camera's built-in metering system will insure accurate exposures. In the Canon T90 and several Canon lens-shutter cameras, an electronic (DX) coding on the film cassette automatically sets film speed when the film is loaded into the camera.

The cameras' built-in metering systems measure different types of lighting conditions. All Canon SLR cameras feature center-weighted average metering, where exposure for the entire image area is determined with the emphasis on the central area. However, several Canon SLRs can measure a smaller selective area marked by a circle in the central area of the viewfinder or even a tiny spot, as small as a nose, for even more accurate exposure.

Loading 35mm film into the camera is simple, too. With Canon "T" Series cameras, just drop the film into the film chamber and extend the film leader to the orange mark. Close the door and the motorized film advance system will automatically wind the film to the first frame. The Canon F-1 and Canon "A" Series models require you to insert the film leader into the take-up spool and advance the manual film lever.

LENS INTERCHANGEABILITY

In addition to the "standard" 50mm lens usually sold with each Canon SLR, the photographer can choose from nearly 60 Canon FD and AC interchangeable wide-angle, telephoto, zoom and macro lenses. By changing lenses, you can change both the angle of view and perspective. The lenses are removed by simply depressing the lens release button and by twisting in a counter-clockwise direction. To mount the lens, simply align the red dot on the lens with the red dot on the camera and twist in a clockwise direction.

There are two types of Canon lenses. FD lenses, with standard focusing, fit all Canon SLRs. AC lenses are designed exclusively for the Canon T80 and provide autofocusing capability.

| 28mm (Wide-Angle) | 50mm (Standard) | 200mm (Telephoto) |

By changing lenses, the photographer can obtain different angles of view without moving. These photographs were taken with different Canon lenses from the same position. You can see what a difference a lens can make in creating exciting photographs.

CANON MAKES EXPOSURE SIMPLE

Obtaining perfect exposures is a matter of setting the right shutter speed and aperture (lens opening), depending on lighting conditions and film speed (ISO). Canon's computerized circuitry provides several different exposure systems, so the photographer can choose the one he is most comfortable with.

STANDARD PROGRAMMED AUTOMATION
(T90, T80, T70, T50, A-1, AE-1 PROGRAM)

With programmed automation, the camera automatically sets both shutter speed and aperture.

MULTIPLE PROGRAMMED AUTOMATION
(T90, T80, T70)

Multiple programmed automation maintains the simplicity of programmed automation and enables you to select the type of creative effect you want. The tele program modes provide faster shutter speed and are ideal for action pictures and for use with telephoto lenses. Wide program modes provide a smaller aperture, creating more depth-of-field (area in focus) and are ideal for landscapes and wide-angle lenses. The T80's Picture Selector™ provides four programmed effects.

SHUTTER PRIORITY AUTOMATION
(F-1,* T90, T70, A-1, AE-1 PROGRAM)

With shutter-priority automation, the photographer selects the shutter speed desired and the camera automatically sets the correct lens aperture. This is ideal for freezing action.

APERTURE PRIORITY AUTOMATION (F-1,* T90, A-1)

With aperture priority automation, the photographer selects the aperture desired and the camera automatically sets the correct shutter speed. This is ideal for controlling depth-of-field (the area in front of and behind the subject that will be in focus) to keep everything sharp or intentionally blur the background.

FLASH AUTOMATION (All models)

With Canon dedicated Speedlites, shutter speed is automatically set to synchronize with the burst of light from the flash unit. Depending on the camera model, the lens aperture is also automatically set, or you may select the aperture desired.

PROGRAMMED FLASH AUTOMATION (T90, T80, T70, T50)

With Canon "T" Series Speedlites, the flash emits a near-infrared beam of light prior to shooting which measures the flash-to-subject distance and automatically sets the proper aperture. Depending on the flash, you can also select the aperture desired. The Canon T90, used with the Speedlite 300TL, provides many other advanced functions. Be sure to review the flash section for each camera for exact details.

STOPPED-DOWN AUTOMATION (F-1,* T90, T80, T70, A-1)

Under some conditions, such as photomacrography with a bellows or non-automatic extension tube, photomicrography, shooting through a telescope and with older Canon "FL" type lenses, the camera automatically reads the amount of light entering the body and sets the correct shutter speed.

MANUAL OPERATION (F-1, T90, T70, A-1, AE-1 PROGRAM)

When the photographer wants total creative control, he can set both the aperture and shutter speed manually.

The pages in this guide will show you how to set the controls to obtain the desired exposure modes.

*Available when optional components are added to the F-1.

LENS-SHUTTER CAMERAS

Canon lens-shutter cameras make fine 35mm photography simple. They are extremely easy to use with the photographer usually pointing the camera at the subject and depressing the shutter-release button.

AIM-AND-SHOOT CONVENIENCE

Lens-shutter cameras, unlike SLR cameras, feature a permanently-mounted lens combined with a separate viewfinder window. The photographer does not look through the taking lens, but composing is easy, even under low-light conditions. For tight close-ups, composition must be slightly altered to compensate for the different positions of the viewfinder and lens. Several models provide guidelines in the viewfinder to assure accurate composition.

PROGRAMMED AUTOMATION

With Canon lens-shutter cameras, both shutter speed and lens aperture are automatically set to accommodate all sorts of lighting conditions. Because 35mm films are available in different film speeds, the camera's metering system must be adjusted to match the film speed rating (ISO). This is automatically done with most Canon automatic lens-shutter cameras.

AUTOMATIC FOCUSING

There's never a need to focus with Canon's lens-shutter cameras. Most of them automatically focus themselves while the Canon Aqua Snappy AS-6 and Snappy S feature fixed focus lenses.

AUTOMATIC FILM HANDLING

Canon lens-shutter cameras feature automatic film handling, so all the user has to do is drop the 35mm film cassette into position, align the film's leader, and simply close the camera's back. The Aqua Snappy AS-6 automatically advances the film to the first frame while others do so when the shutter-release button is depressed. A built-in motor advances the film automatically after each shot. Rewinding is totally automatic with most models.

AUTOMATIC FLASH

For flash photography, simply switch on the built-in flash (The MC features a compact MC-S snap-on flash sold with the camera). When the bright Ready light next to the finder goes on, you're ready to shoot. You may also use the flash to fill-in shadowed areas to provide a more pleasing picture when shooting outdoors.

The pages on individual cameras in this guide will show you how to set the controls to operate each model properly.

Not one, but many Cameras.

Canon F-1

Eye-Level Finder FN
❶ Split-image rangefinder
surrounded by microprism focusing
❷ Aperture scale w/match needle
❸ Overexposure warning mark
❹ Underexposure warning mark
❺ Shutter speed readout

AE Finder FN
❶ Split-image rangefinder
surrounded by microprism focusing
❷ Shutter speed scale w/match needle
❸ Overexposure warning mark
❹ Underexposure warning mark
❺ Aperture readout

MANUAL OPERATION (Match needle metering):
Simply set the desired shutter speed and rotate the lens aperture ring until the needle in the finder aligns with the index point. You can use many combinations of shutter speed and aperture for total creative control with correct exposure.

SHUTTER-PRIORITY AUTOMATION:
Set the lens aperture ring to the "A" position and select the shutter speed desired. The camera will automatically set the proper aperture. (Shutter-priority automation is possible only when the F-1 is used with either the optional AE Motor Drive FN or AE Power Winder FN. You may also operate the camera in manual mode when using these accessories.)

APERTURE-PRIORITY AUTOMATION:
Set the shutter speed dial to the "A" position and select the aperture desired. The camera will automatically set the proper shutter speed. (Aperture-priority automation is possible only when the F-1 is used with the AE Finder FN. This finder also permits stopped-down automation. You may also operate the camera in manual mode when using the AE Finder FN.)

MULTI-MODE AUTOMATION:
If you desire, you may use the F-1 with the above accessories to obtain all automation modes plus full manual control. The camera is set in the same way.

PLUS:
● Automatic Flash with Canon "A" Series Dedicated Speedlites.
● Electro/mechanical shutter w/speeds from 1/90th-1/2,000th mechanically controlled: you can keep shooting even if the battery fails!
● Multiple-exposure capability.
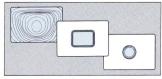
4

ACCESSORIES FOR CANON F-1

AE Motor Drive FN/AE Power Winder FN

Attaching the AE Motor Drive FN or AE Power Winder FN enables shutter-priority automation on the F-1 as well as motorized film advance. The AE Motor Drive FN enables shooting at up to 5 fps and is available with several different power sources (Alkaline batteries, rechargeable NiCd, high-power rechargeable NiCd and AC current). The AE Power Winder FN uses "AA" Alkaline batteries and provides up to 2 fps.

AE Motor Drive FN w/ Battery Pack FN

AE Power Winder FN

Interchangeable Focusing Screens

The F-1 provides 32 different focusing screens which enables the user to select not only the way he wants to focus for any particular shot, but also the metering pattern. This enables the user to employ center-weighted average, selective-area (12%) or spot (3%) metering.

Interchangeable Finders

In addition to being available with either the Eye-Level Finder FN or AE Finder FN, the F-1 accepts a speed finder for action shooting and two different waist-level finders (Waist-Level Finder FN, Waist-Level Finder FN-6X) to enable virtually any type of shooting.

Eye-Level Finder FN

AE Finder FN

Speed Finder FN

Waist-Level Finder FN-6X

Waist-Level Finder FN

Interchangeable Backs

Two interchangeable backs are available for the F-1. The Data Back FN provides both alpha and numeric information and the Film Chamber FN-100 permits up to 100 frames of bulk film to be shot without changing cassettes.

Canon Dedicated Speedlites

The F-1 accepts all Canon Dedicated Speedlites (except the Speedlite 244T) for automatic flash photography. When fully charged, the Speedlite automatically sets the F-1's shutter for proper flash synchronization.

Speedlite 577G Speedlite 533G

Canon FD Lenses

The F-1 may be used with nearly 60 Canon FD interchangeable lenses. Choose from a complete range of wide-angle, telephoto, zoom and macro lenses to take your creativity as far as you want to.

Camera Cases

Canon has two leather camera cases to protect the F-1. Case L is designed for FD 50mm f1.2 and FD 35-70mm f3.5-4.5 lenses and Case S is designed for FD 50mm, f1.8 and f1.4 lenses.

Canon T90

MULTIPLE METERING SYSTEM
COMPUTERIZED 3 MOTOR CONTROL

A Catalyst for the Creative Mind.

1 Split-image rangefinder surrounded by microprism focusing screen.
2 Spot Metering Mark.
3 Selective-area metering mark.
4 FE lock exposure level scale.
5 Spot Metering exposure level scale.
6 Remaining frame counter.
7 AE Lock indicator
8 Shutter speed display
9 Aperture display
10 Manual indicator
11 Flash charge indicator
12 Exposure compensation indicator

BUILT-IN MOTOR DRIVE:
(H, L, SINGLE)
Open the side control panel door and depress the button until the desired setting appears in the LCD display: "H" for 4.5 fps., "L" for 2 fps., "SINGLE" for single frame. The mode chosen will be displayed in the LCD screen. (5 fps. in stopped-down mode).

HIGH SPEED SHUTTER:
In shutter-priority and manual modes, the shutter may be set between 30 seconds and 1/4,000th sec. Flash synchronization at any speed up to 1/250th second.

STANDARD PROGRAMMED MODE: ($Program$)
Depress the mode button and adjust the electronic input dial until the word "Program" appears on the LCD screen. Set the lens aperture ring to "A." The T90 automatically sets shutter speed and aperture.

VARIABLE SHIFT PROGRAMMED MODE:
(P; TELE $P-1$, $P-2$, $P-3$; WIDE $P-1$, $P-2$, $P-3$)
Depress the mode button and rotate the electronic input dial until the letter "P" appears on the LCD screen. Release the button and adjust the electronic input dial. Set the lens aperture ring to "A." The "tele" (P-1, P-2, P-3) modes provide faster shutter speeds, the "wide" (P-1, P-2, P-3) modes provide smaller apertures for more depth of field. When the "P" appears alone, the T90 is set to the standard programmed mode.

SHUTTER-PRIORITY MODE: (Tv)
Depress the mode button and rotate the electronic input dial until the "Tv" symbol appears on the LCD screen. Then release the button and adjust the electronic input dial to set shutter speed (30 sec. to 1/4,000th sec.). The T90 provides intermediate speeds such as 1/350th and 1/750th sec. in addition to standard shutter speeds. Set the lens aperture ring to "A." The T90 will automatically select the correct aperture.

APERTURE-PRIORITY MODE: (Av)
Depress the mode button and rotate the electronic input dial until the "Av" symbol appears on the LCD screen. Adjust the electronic input dial to set lens aperture. (Set the lens aperture ring to "A"). The T90 will automatically select the correct shutter speed.

6

SAFETY SHIFT™ (⟨SS⟩)

In either shutter-priority or aperture-priority mode, if you wish the camera to auto-matically override your setting to insure proper exposure, depress the two buttons found on the camera back and wait for the "SS" symbol to appear on the LCD display.

STOPPED-DOWN MODE: (◐)

Depress the stopped-down lever found on the bottom of the front of the camera adjacent to the lens. The T90 will automatically select the correct shutter speed for proper exposure with non-FD lenses and special accessories. Note: Set the expo-sure mode to either "PROGRAM" or "Av." The lens aperture must be taken off the "A" position and placed in the desired setting.
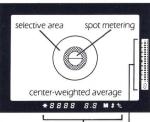
MANUAL MODE: (M)

Set the T90 to the shutter-priority mode and select shutter speed. Then set the lens to the desired aperture.

METERING SELECTION:

Depress the "Metering/Clear" button and adjust the electronic input dial until the desired metering pattern symbol appears on the LCD display: "(□)" = center-weighted average; "(◎)" = selective-area (13%); "(▪)" = spot (2.7%). The T90 features unique multiple spot metering which allows up to 8 spot readings to be averaged. Leave the T90 in spot mode and depress the spot metering button (next to the shutter release) for each reading.
You may clear the meter readings by depressing the "Metering/Clear" button.

selective area   spot metering

center-weighted average

✷ 8888   8.8   M ⚡ ✲

full information LED readout

spot, highlight/shadow control

FLASH OPERATION:

With dedicated Speedlite 300TL, there are 4 creative photography modes. These are:
Programmed Mode: Set the Speedlite 300TL to the "P" position. The T90 will automatically set the correct shutter speed and aperture depending on flash-to-subject distance.
A-TTL Mode: Select "MODE SET" and depress the A-TTL button on the 300TL. You may use programmed, shutter-priority and aperture-priority modes for proper exposure of the background and the main subject. Highlight/Shadow control may be used in this mode to lighten or darken the background as desired.
FEL Mode: For off-center subjects, be sure the flash control is in "MODE SET" and depress the "FEL" button. Position the subject in the "spot" in the finder and depress the spot metering button. The main flash will fire at 1/20th power test. Then recompose your picture the way you want it and shoot. Highlight/Shadow control may also be used in this mode.
Manual Modes: Select the M-Hi or M-Lo (¼ power) for the desired output. Set the aperture according to the table in the Speedlite 300TL instruction booklet.

PLUS:

• High-speed film loading (2 seconds) and automatic rewind (12 seconds for 36-exp. roll) w/rewinding possible at any time.   • DX coded (ISO 25-5000) or manual (ISO 6-6400) ISO setting.   • Programmed multiple exposure (up to 9 exposures on one frame).   • Highlight/Shadow control allows increase or decrease in exposure based on spot meter readings to achieve white-on-white or true black effects.
• 1st or 2nd curtain flash sync.   • 2 Speed (2 or 10 sec.) self timer.
• Human engineered design.

7

ACCESSORIES FOR CANON T90

Speedlite 300TL
Designed exclusively for the T90, it provides the world's most advanced TTL flash exposure system plus an omnidirectional zoom head. See details under "Flash Operation."

Command Back 90
The Command Back 90 combines data and command functions. Data functions enable recording of dates or time on photos automatically with built-in quartz calendar/clock or any six-digit number or the letters "A" to "F" may also be set. Command functions include self-timer, interval timer, long timed release, etc. All functions may be combined.

Macro Ring Lite ML-2
Designed exclusively for the T90, provides exciting close-up capabilities with the T90's TTL flash system. Can fire one or two flash tubes for creative lighting effects. Features modeling light.

Wireless Controller LC-2
Works with the T90's motor drive for remote shooting operation. Includes transmitter and receiver. Operates in standard, two-seconds delay and auto sensing modes.

Interchangeable Focusing Screens
For those photographers who prefer a choice of focusing screens or use special screens for photography such as photomacrography, there are eight interchangeable focusing screens, all displaying selective-area and spot metering marks.

Canon FD Lenses
The T90 may be used with nearly 60 Canon FD lenses. Select from a complete range of wide-angle, telephoto, zoom and macro lenses to take your creativity as far as you want to.
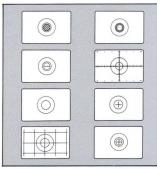
Camera Case
The Canon T90's case is designed for use with all FD 50mm lenses as well as most Canon FD wide-angle and many telephoto, zoom and macro lenses. The case will also accommodate the Command Back 90.

Canon T80

AUTO FOCUS SYSTEM
PICTURE SELECTOR

❶ Cross-split prism rangefinder
❷ Manual indicator
❸ AE program/exposure warning
❹ Mode Warning
❺ Flash charge indicator

Choice, not chance.

AUTOMATIC FOCUSING:

With Canon AC lenses, you simply aim at your subject and partially depress the shutter-release button. The lens will automatically focus on the center portion of your subject. Canon AC lenses provide three modes—servo for continuous focusing, one-shot for focusing on your subject, then recomposing the picture for a more pleasing result, and manual, for manual control. The T80 may be used with nearly 60 manually-focusing Canon FD lenses as well. If desired, the audible in-focus confirmation may be used with all lenses.

PROGRAMMED AUTOMATION WITH PICTURE SELECTOR™

The T80's Picture Selector™ enables you to choose the type of results you will get before taking the picture. Simply depress the mode selector and move the sliding switch to obtain the mode you want:

- **Standard Program** for most picture-taking conditions.
- **Deep Focus** for maximum depth of field over the entire picture.
- **Shallow Focus** to blur out foreground or background subjects, such as with portraits.
- **Stop Action** for freezing movement.
- **Flowing** to convey a feeling of sweeping motion.

PROGRAMMED & AUTOMATIC FLASH OPERATION:

When used with Canon "T" Series Speedlites (except 300TL), the T80 provides programmed flash automation. Simply switch on the flash and the T90 will automatically select the best shutter speed and lens aperture depending on flash-to-subject distance. Some "T" Series Speedlites (299T, 277T) also permit you to select any of eight apertures automatically.

PLUS:

- Auto film loading, advancing and rewinding. • Touch button controls, bright LCD display. • Audible focus confirmation signal. • Stopped-down automation.
- Built-in self timer.

9

ACCESSORIES FOR CANON T80

Speedlite 299T
Ideal for the T80, the Speedlite 299T features a built-in near-infrared sensor system which automatically programs exposure for the best of eight apertures (f2.0-f22) for the sharpest possible flash pictures. It may be also set for the traditional user-selected aperture mode for up to 8 apertures. For more creative control, the Speedlite 299T features an omnidirectional zoom flash head.

Command Back 80
The Command Back 80 combines data and command functions. Data functions enable recording of dates or time on photos automatically with a built-in quartz calendar/clock or any six-digit number and the letters "A" to "F" may also be set. Command functions include self-timer, interval timer, long timed release, etc. All functions may be combined.

Canon AC Lenses
Automatic focusing with Canon AC lenses makes photography fast and simple. They're available in standard 50mm and popular zoom focal lengths and provide continuous (Servo), one-shot or manual focus capabilities.

Canon FD lenses
In addition to Canon AC lenses, the T80 may be used with nearly 60 Canon FD interchangeable lenses. Select from a complete range of wide-angle, telephoto, zoom and macro lenses to take your creativity as far as you want.

Camera Case
Canon has two attractive cases to protect the Canon T80. Case L is designed for the AC 35-70mm f3.5-4.5 autofocus lens and FD 50mm f1.2 and FD 35-70mm f3.5-4.5 lenses. Case S is designed for the AC 50mm f1.8 autofocus lens and FD 50mm f1.4 and f1.8 lenses.

Canon T70

MULTIPLE PROGRAM AE
DUAL METERING SYSTEM

The new vision of photography

❶ Split-image rangefinder surrounded by microprism focusing
❷ Selective area metering range mark
❸ Manual operation signal
❹ Programmed operation signal
❺ AE lock/selective area metering signal
❻ Electronic flash indication/auto flash verification signal
❼ Digital aperture or shutter speed readout

MULTIPLE PROGRAMMED AUTOMATION:

Depress the "Mode" button and then the "Up" or "Down" buttons until the word "Program" appears in the LCD display. You can choose "Standard" program (no other mark will appear) for most situations, "Tele" program for action photography and "Wide" program for more depth of field.

SHUTTER-PRIORITY AUTOMATION:

Depress the "Mode" button and then the "Up" or "Down" buttons until the "Tv" mark appears. Release the "Mode" button and then set the shutter speed desired by pressing the "Up" or "Down" buttons. Set the lens aperture ring at "A." The T70 automatically sets the lens opening.

CHOICE OF METERING:

Set the main switch to "average" for most photographic situations. For situations where you want exposure to be exact for your main subject, set the main switch to "Partial (AE L)" for selective-area (11 percent) metering within the circle seen in the viewfinder.

FLASH AUTOMATION:

Set the Speedlite 277T to "Program" and the Speedlite and T70 interface to automatically select the best aperture. Set the Speedlite to "Automatic" and select the aperture you desire over an 8 f-stop range.

PLUS:

- Automatic film transport system (loading, advancing and rewinding)
- Touch button controls, bright LCD display
- Stopped-down automation
- Manual exposure control

(SEE OTHER SIDE FOR ACCESSORIES)

ACCESSORIES FOR CANON T70

Speedlite 277T

Ideal for the T70, the Speedlite 277T features a built-in infrared sensor system which automatically programs exposure for the best of eight apertures (f2.0 to f22) for the sharpest possible flash pictures in the "Program" mode. For traditional automatic exposure, the user can set the Speedlite 277T to "Auto" mode and select from 8 different apertures.

Command Back 70

The Command Back 70 combines data and command functions. Data functions enable recording of dates or time on photos automatically with a built-in quartz calendar/clock or any six-digit number and the letters "A" to "F" may also be set. Command functions include self-timer, interval timer, long timed release, etc. All functions may be combined.

Canon FD Lenses

The T70 may be used with nearly 60 Canon FD interchangeable lenses. Select from a complete range of wide-angle, telephoto, zoom and macro lenses to take your creativity as far as you want.

Camera Case

Canon has four attractive, blue denim design cases to protect the Canon T70. Case L is designed for the FD 50mm f1.2 and FD 35-70mm f3.5-4.5 lenses and Case S is designed for FD 50mm f1.8 and f1.4 lenses. Cases L-C and S-C are for use with the T70 and Command Back 70.
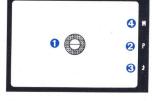
12

Canon
T50

PROGRAMMED AUTOMATION
AUTOMATIC FILM TRANSPORT

Take Off!

❶ Split-image rangefinder surrounded by microprism focusing
❷ Programmed automation (constant light)/ low light warning (blinking light) signal
❸ Flash ready signal/ underexposure warning
❹ Manual operation warning

PROGRAMMED AUTOMATION:

Just set the selector dial to "PROGRAM" and the lens aperture ring to "A" and the Canon T50 controls exposure automatically. Just focus and shoot!

AUTOMATIC FILM HANDLING:

Just drop in the film and line the leader up. Then the built-in motor takes over and automatically loads and advances the film after each shot. Hold the shutter-release button down to follow the action at up to 1.4 fps. One set of two "AA" alkaline batteries shoots up to 75 rolls of 24-exposure film.

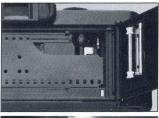## PROGRAMMED FLASH AUTOMATION:

With the Speedite 244T. The shutter speed is automatically set and the Speedlite 244T automatically selects the best of three different lens apertures, depending on flash-to-subject distance, for the sharpest possible flash pictures every time.

SYSTEM CAPABILITY:

Accepts nearly 60 Canon FD lenses plus remote control, close-up and some macro accessories.

PLUS:

- Audible built-in electronic self timer
- Audible battery check
- Compact and lightweight
- Action grip
- Operates on two "AA" alkaline batteries

(SEE OTHER SIDE FOR ACCESSORIES)

ACCESSORIES FOR CANON T50

Speedlite 244T

Designed for the Canon T50, the Speedlite 244T features a built-in near-infrared sensor system which automatically programs exposure for the best of three apertures (f2.8, f4.0 and f5.6) depending on flash-to-subject distance for the sharpest possible flash pictures. It also sets the shutter speed automatically. In addition, Speedlites 277T and 299T may be used in the "Program" mode with the T50 and "A" Series Speedlites may also be used with shutter speed and a user-selected aperture automatically set.

Canon FD Lenses

The Canon T50 may be used with nearly 60 Canon FD interchangeable lenses. Select from a complete range of wide-angle, telephoto, zoom and macro lenses to take your creativity as far as you want to.
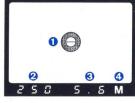
Camera Case

Canon has two attractive, blue denim design cases to protect the Canon T50. Case L is designed for the FD 50mm f1.2 and FD 35-70mm f3.5-4.5 lenses and Case S is designed for FD 50mm f1.8 and f1.4 lenses.

Canon A-1

- ❶ Split-image rangefinder surrounded by microprism focusing
- ❷ Digital L.E.D. shutter speed readout
- ❸ Digital L.E.D. aperture readout
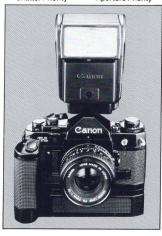- ❹ Manual operation signal

Six-mode exposure control. System versatility. Newer electronics for wider applications.

PROGRAMMED AUTOMATION:

Set the AT dial to "Tv", the AE Mode shutter control to "P" and the lens aperture ring to "A". The A-1 then controls exposure automatically. Just focus and shoot.

SHUTTER-PRIORITY AUTOMATION:

Set the AT dial to "Tv", the AE Mode shutter control to the desired shutter speed, and the lens aperture ring to "A". Now you control shutter speed (e.g.: to freeze action) and the A-1 automatically sets the lens aperture.

APERTURE-PRIORITY AUTOMATION:

Set the AT dial to "Av" and the desired aperture setting on the dial. Leave the lens aperture ring on "A". Now you control depth-of-field (the area in sharp focus; e.g. using a wide aperture to blur out unwanted backgrounds), and the A-1 automatically selects the correct shutter speed.

FLASH AUTOMATION:

With the Canon Speedlite 199A or other Canon dedicated speedlites, shutter and aperture are automatically set for great flash pictures. Just attach it and switch it on.

STOPPED-DOWN AUTOMATION:

Depress the stopped-down lever and you can use the A-1 with macro accessories such as bellows and extension tubes. You set the aperture desired and the camera will automatically select the right shutter speed.

Programmed

Shutter Priority

Aperture Priority

PLUS:

- Manual control
- L.E.D. digital readout
- Multiple exposure capability
- Two-speed electronic self-timer
- Exposure compensation control

(SEE OTHER SIDE FOR ACCESSORIES)

15

ACCESSORIES FOR CANON A-1

Speedlite 199A

The ideal flash for the Canon A-1, the Speedlite 199A automatically sets both shutter speed and aperture. Just attach it and switch it on. It offers a choice of three different apertures for depth-of-field control. All other Canon Dedicated Speedlites (Except Speedlite 244T) may also be used with the A-1 for automatic flash operation.

Power Winder A2/Motor Drive MA

For motorized film advance, the Canon Power Winder A2 provides up to 2 fps shooting speed. It's ideal for sports and action. For even faster shooting speeds, the Canon Motor Drive MA provides up to 5 fps and may be used with either "AA" alkaline batteries or a rechargeable NiCd unit. Both may be used with such accessories as the Wireless Controller LC-1 and Interval Timer TM-1 QUARTZ. The Canon Power Winder A provides 2 fps shooting speeds but may not be used with these accessories.

Power Winder A2

Motor Drive MA

Data Back A

For recording data, such as dates, on each exposure, the Canon Data Back A may replace the standard back on the A-1. It provides both numeric and alpha information.

Canon FD Lenses

The A-1 may be used with nearly 60 Canon FD interchangeable lenses. Select from a complete range of wide-angle, telephoto, zoom and macro lenses to take your creativity as far as you want to.

Camera Case

Canon has two camera cases to protect the A-1. Case L is designed for FD 50mm f1.2 and FD 35-70 f3.5-4.5 lenses and Case S is designed for FD 50mm f1.8 and f1.4 lenses.

Canon
AE-1
PROGRAM

1. Split image surrounded by microprism focusing.
2. Manual operation signal
3. Programmed operation signal
4. Aperture indication
5. Electronic Flash indication/ auto flash verification signal

Programmed Automation Plus Shutter-Priority Sophistication. System Integration.

PROGRAMMED AUTOMATION:

Just set the shutter speed dial to "PROGRAM" and the lens aperture ring to "A" and the AE-1 PROGRAM controls exposure automatically. Just focus and shoot!

SHUTTER-PRIORITY AUTOMATION:

Set the shutter speed you desire and the lens aperture ring at "A". Now you control shutter speed, (e.g.: to freeze action) and the AE-1 PROGRAM automatically sets the lens opening.

FLASH AUTOMATION:

With the Canon Speedlite 188A or other Canon dedicated speedlites, shutter and aperture are automatically set for great flash pictures.

MANUAL CONTROL:

You select both shutter speed and lens aperture for complete creative control. The AE-1 PROGRAM's metering system provides you with a recommended aperture reading which varies with the shutter speed you select.

PLUS:

- Audible built-in self-timer
- Backlight compensation control
- Compact and lightweight
- Action grip
- Depth-of-field preview/stopped-down lever

17

ACCESSORIES FOR CANON AE-1 PROGRAM

Interchangeable Focusing Screens

For those photographers who prefer a choice of focusing screens, or use special screens for photography such as photomacrography, there are 8 interchangeable focusing screens. All feature a bright laser-matte design.

E (New Split w/microprisms)   A (Microprism)
B (New Split)   C (All Matte)
D (Matte Surface w/Grid)   H (Matte Scale)
I (Double Cross Hair Reticle)   L (Cross Split-Image)

Speedlite 188A

The ideal flash for the Canon AE-1 PROGRAM, the Speedlite 188A automatically sets both shutter speed and aperture. In addition, it works with the AE-1 PROGRAM's computerized circuitry to provide verification of automatic flash exposure. When the " " signal in the finder flashes after the shot, you know your picture was perfectly exposed. All other Canon Dedicated Speedlites (except Speedlite 244T) may be used with the AE-1 PROGRAM, but do not activate the verification signal.

Power Winder A2/Motor Drive MA

For motorized film advance, the Canon Power Winder A2 provides up to 2 fps shooting speed. It's ideal for sports and action. For even faster shooting speeds, the Canon Motor Drive MA provides up to 4 fps and may be used with either "AA" alkaline batteries or a rechargeable NiCd unit. Both may be used with accessories such as the Wireless Controller LC-1 and Interval Timer TM-1 QUARTZ. The Canon Power Winder A provides 2 fps shooting speeds but may not be used with these accessories.
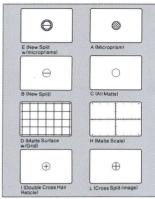

Power Winder A2

Motor Drive MA

Data Back A

For recording data, such as dates, on each exposure, the Canon Data Back A may replace the standard back on the AE-1 PROGRAM. It provides both numeric and alpha information.

Canon FD Lenses

The AE-1 PROGRAM may be used with nearly 60 Canon FD interchangeable lenses. Select from a wide range of wide-angle, telephoto, zoom and macro lenses to take your creativity as far as you want to.

Camera Case

Canon has two camera cases to protect the AE-1 PROGRAM. Case L is designed for FD 50mm f1.2 and FD 35-70mm f3.5-4.5 lenses and Case S is designed for FD 50mm f1.8 and f1.4 lenses.

Canon FD LENSES

Canon lenses are built to the same rigid quality standards as Canon cameras and represent the finest optical and mechanical quality in 35mm photography. They may be mounted and removed in the same way as the 50mm "standard" lens purchased with the camera and controls are consistently located for easy operation. To remove the lens, simply depress the button on the side of the lens and twist counter clockwise. To mount the lens, align the red dot on the lens with the red dot on the camera body and twist clockwise. There are nearly 60 Canon FD wide-angle, telephoto, zoom and macro lenses to choose from.

WIDE-ANGLE LENSES

Canon wide-angle lenses add to your flexibility and creativity by increasing the angle of view. They are ideal for scenics, interiors and group shots. The wide-angle lens perspective also increases apparent distances between foreground and background subjects, enabling further creativity.

WIDE-ANGLE LENSES

TELEPHOTO LENSES

Canon telephoto lenses enable you to reach out. They optically shorten the distance between the camera and subject and are ideal for sports, action, nature, portraits and surveillance photography. The telephoto lens perspective also decreases apparent distances between foreground and background subjects, enabling you to try different composition ideas.
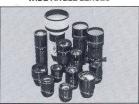

TELEPHOTO LENSES

ZOOM LENSES

Canon zoom lenses offer the photographer the flexibility of more than one lens focal length. They're ideal for travelling light. In addition, several have a macro mode for exciting close-ups. Canon has wide-angle, telephoto and even wide-angle-to-telephoto zoom lenses.
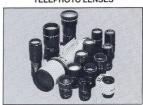

ZOOM LENSES

MACRO LENSES

For exploring the exciting world of close-up photography, Canon macro lenses are your answer. They provide up to 1:1 magnification ratios, meaning the image on the film can be life size! In addition, they may be used for conventional photography.
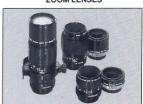

MACRO LENSES

19

CANON AC LENSES

For use with the Canon T80, Canon AC lenses provide automatic focusing capability in two modes—one-shot and continuous focusing—as well as manual focusing. In addition, Canon AC zoom lenses feature a macro mode for exciting close-ups.

CANON INTERCHANGEABLE LENSES

WIDE–ANGLE LENSES

Fisheye 7.5mm f5.6	FD 24mm f1.4L	FD 28mm f2.8
FD 14mm f2.8L	FD 24mm f2.0	FD 35mm f2.0
FD Fisheye 15mm f2.8	FD FD 24mm f2.8	FD 35mm f2.8
FD 17mm f4.0	FD 28mm f2.0	TS 35mm f2.8 SSC
FD 20mm f2.8		

NORMAL LENSES

FD 50mm f1.2L	FD 50mm f1.4	FD 50mm f1.8
FD 50mm f1.2		

TELEPHOTO LENSES

FD 85mm f1.2L	FD 135mm f3.5	FD 400mm f2.8L
FD 85mm f1.8	FD 200mm f2.8	FD 400mm f4.5
FD 85mm f2.8 Soft Focus	FD 200mm f4.0	FD 500mm f4.5L
FD 100mm f2.0	FD 300mm f2.8L	Reflex 500mm f8.0
FD 100mm f2.8	FD 300mm f4.0L	FD 600mm f4.5
FD 135mm f2.0	FD 300mm f5.6	FD 800mm f5.6L
FD 135mm f2.8		

ZOOM LENSES

FD 20-35mm f3.5L	FD 35-105mm f3.5*	FD 75-200mm f4.5*
FD 28-55mm f3.5-4.5*	FD 35-105mm f3.5-4.5*	FD 80-200mm f4.0L*
FD 28-85mm f4.0*	FD 50-135mm f3.5*	FD 100-300mm f5.6*
FD 35-70mm f2.8-3.5*	FD 50-300mm f4.5L	FD 100-300mm f5.6L*
FD 35-70mm f3.5-4.5*	FD 70-210mm f4.0*	FD 150-600mm f5.6L
		*w/Macro Mode

MACRO LENSES

FD 50mm f3.5 w/Ext. Tube FD 25U	FD 200mm f4.0
FD 100mm f4.0 w/Ext. Tube FD 50U	

AC AUTOFOCUS LENSES

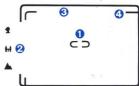|	
AC 50mm f1.8	AC 75-200mm f4.5*
AC 35-70mm f3.5-4.5*	*w/Macro Mode

EXTENDERS

Extender FD 2X Type A (for 100mm or longer)	Extender FD 2X Type B (for 300mm or shorter)	Extender FD 1.4X Type A (for 300mm or longer)

Canon
|||||((((((SUPER)))))|||||
SURE SHOT

The Sure Shot That's Super!

❶ Autofocus frame
❷ Zone focus symbols
❸ Picture frame mark
❹ Parallax correction mark

AUTOMATIC FOCUSING:

Just aim the autofocus frame in the finder at your subject and partially depress the shutter-release button to automatically focus the lens on the subject you want in focus. Then compose your picture and shoot for razor sharp pictures every time.

AUTOMATIC EXPOSURE:

Set the meter to the film speed you are using and shoot. The camera automatically sets both lens aperture and shutter speed. And if there's not enough light, an audible beep signal tells you to use flash.

AUTOMATIC FILM HANDLING:
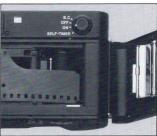
Simply drop in the film and align the leader. Then the Super Sure Shot's built-in motor takes over and automatically loads and advances the film after each shot. Even film rewinding is automatic.

BUILT-IN FLASH:

The built-in, pop-up automatic flash gives you perfectly-exposed flash pictures. Just switch it on, wait for the ready light, and shoot! The flash recycles in just 7 seconds!

PLUS:

- Extra-fast Canon 40mm f1.9 lens for shooting in any light
- Self-timer
- Uses two "AA" alkaline batteries to shoot up to 30 rolls of 36 exposure film
- Battery check signal

21

Canon
MC

Canon quality in a compact size.

Travelin' Light!

❶ Autofocus frame
❷ Zone focus index and symbols
❸ LED low light/camera shake/battery check signal
❹ Parallax correction marks

AUTOMATIC FOCUSING:

Just aim the autofocus spot in the finder at your subject and shoot for razor sharp pictures every time. With Canon's "Active" Infrared focusing system, the MC even focuses in the dark!

AUTOMATIC EXPOSURE:

Set the ISO/ASA control to the film speed you are using and shoot. The MC automatically sets both aperture and shutter speed. If there's not enough light, the red low-light warning lamp will tell you to use flash.

AUTOMATIC FILM HANDLING:

Simply drop in the film and align the film leader. Then close the back cover. The MC automatically loads and advances the film to the first frame. It also automatically advances the film after each frame and automatically rewinds it immediately after the last picture!

COMPACT, SNAP-ON FLASH:

The Canon MC includes the detachable Canon MC-S Snap-On Flash. Just switch it on for perfect flash pictures every time. When you remove it from the MC, it automatically shuts itself off.

PLUS:

- Micro compact—Canon's smallest 35mm camera
- Sharp Canon 35mm f2.8 lens gets more in the picture
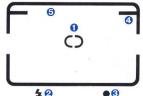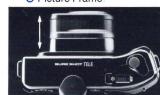- Sliding Super Shield protects camera when shut

22

Canon
SURE SHOT
TELE

❶ Autofocus Spot
❷ Red Mark (Charge completion/ underexposure warning)
❸ Green Lamp (In-focus/too-close warning)
❹ Parallax Correction Frame
❺ Picture Frame

Normal, telephoto plus special effects!

NORMAL/TELEPHOTO LENS:

The Sure Shot Tele offers a built-in 40/70mm Normal/Telephoto lens. You can switch from Normal to Telephoto and back again at the touch of a button.

BUILT-IN SOFT FILTER:

Use the first built-in soft filter on a camera to create warmth and intimacy in your pictures. Simply rotate the filter over the lens with either the Tele or Normal modes.

MULTIPLE EXPOSURE:

Press down the multiple exposure button to keep the film from advancing to the next frame as you take a shot. Then take a second picture (without pressing the button) on the same frame! The supplied multi-image adapter makes creative multiple exposures easy.

AUTOMATIC EXPOSURE/ EXPOSURE COMPENSATION:

When you load the camera with DX coded film, it automatically sets the film speed, aperture and shutter speed for a perfect exposure with every shot. A special one-touch exposure compensation button is used for backlit subjects.
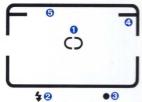
BUILT-IN THREE-MODE FLASH:

Set to "Auto" and the built-in flash fires automatically when needed or choose Manual On or Off modes. The flash recycles in 2 seconds!

PLUS:

- Canon active infrared Autofocus system
- Automatic film handling—loads, winds and rewinds
- LCD panel for frame number and battery check
- Self-timer
- Improved, energy-saving design
- Supplied with soft case and lithium battery good for up to five years

23

Canon
SURE SHOT
TELE QUARTZ DATE

Normal,telephoto plus special effects!

❶ Autofocus Spot
❷ Red Mark (Charge completion/ underexposure warning)
❸ Green Lamp (In-focus/too-close warning)
❹ Parallax Correction Frame
❺ Picture Frame

AUTOMATIC DATE/ TIME IMPRINTING:

The Sure Shot Tele Quartz Date can record the date or time in four different ways right on your pictures. This includes an alphabetic date mode that prints out the month: eg. JUL, AUG, SEP.

NORMAL/TELEPHOTO LENS:

The Sure Shot Tele Q.D. offers a built-in 40/70mm Normal/Telephoto lens. You can switch from Normal to Telephoto and back again at the touch of a button.

BUILT-IN SOFT FILTER:

Use the first built-in soft filter on a camera to create warmth and intimacy in your pictures. Simply rotate the filter over the lens with either the Tele or Normal modes.

MULTIPLE EXPOSURE:

Press down the multiple exposure button to keep the film from advancing to the next frame as you take a shot. Then take a second picture (without pressing the button) on the same frame! The sup-plied multi-image adapter makes creative multiple exposures easy.

AUTOMATIC EXPOSURE/ EXPOSURE COMPENSATION:

When you load the camera with DX coded film, it automatically sets the film speed, aperture and shutter speed for a perfect exposure with every shot. A special one-touch exposure compensation button is used for backlit subjects.

BUILT-IN THREE-MODE FLASH:

Set to "Auto" and the built-in flash fires automati-cally when needed, or choose Manual On or Off modes. The flash recycles in 2 seconds!

PLUS:

● Canon active infrared Autofocus system ● Automatic film handling—loads, winds and rewinds ● LCD panel for frame number and battery check ● Self-timer
● Improved, energy-saving design ● Supplied with soft case and lithium battery good

24 for up to five years

Canon
SURE SHOT
SUPREME

So advanced, every shot's a sure shot!

AUTOMATIC FOCUSING:

Just aim the autofocus spot in the finder at your subject and shoot for razor sharp pictures every time from as close as 1.8 feet. With Canon's "Active" infrared focusing system, the Sure Shot Supreme even focuses in the dark!

AUTOMATIC EXPOSURE:

When you load the camera with DX coded film, it automatically sets the film speed, lens aperture and shutter speed for a perfect exposure with every shot. And if there's not enough light, the flash will fire automatically!

AUTOMATIC FILM HANDLING:

Simply drop in the film and align the leader. The Sure Shot Supreme automatically loads and advances the film after each shot. Even film rewinding is automatic, and you have an option of manual rewind in the middle of a roll.

BUILT-IN FLASH:

The revolutionary built-in automatic flash fires when needed—even in daylight for fill-flash! It recycles in only 1.2 sec.

PLUS:

- Self-timer
- Sharp Canon 38mm f2.8 lens
- Built-in lens shield
- Improved, energy saving design
- Tilt knob for proper camera angle with self-timed pictures
- LCD panel for frame number and battery check
- Supplied lithium battery good for up to five years
- Special contoured case is included

Canon
SURE SHOT
SUPREME QUARTZ DATE

❶ Autofocus Spot
❷ Red Indicator
(Charge completion/
underexposure warning)
❸ Green Lamp
(In-focus/too-close warning)
❹ Parallax Correction Frame
❺ Picture Frame

So advanced, every shot's a sure shot!

AUTOMATIC DATE/ TIME IMPRINTING:

The Sure Shot Supreme Quartz Date can record the date or time in four different ways right on your pictures. This includes an alphabetic date mode that prints out the month: eg. JUL, AUG, SEP.

AUTOMATIC FOCUSING:

Just aim the autofocus spot in the finder at your subject and shoot for razor sharp pictures every time from as close as 1.8 feet. With Canon's "Active" infrared focusing system, the Sure Shot Supreme Quartz Date even focuses in the dark!

AUTOMATIC EXPOSURE:

When you load the camera with DX coded film, it automatically sets the film speed, lens aperture and shutter speed for a perfect exposure with every shot. And if there's not enough light, the flash will fire automatically!

AUTOMATIC FILM HANDLING:

Simply drop in the film and align the leader. The Sure Shot Supreme Quartz Date automatically loads and advances the film after each shot. Even film rewinding is automatic, and you have an option of manual rewind in the middle of a roll.
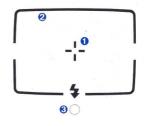
BUILT-IN FLASH:

The revolutionary built-in automatic flash fires when needed—even in daylight for fill-flash! It recycles in only 1.2 sec.

PLUS:

- Self-timer
- Sharp Canon 38mm f2.8 lens
- Built-in lens shield
- Improved, energy saving design
- Tilt knob for proper camera angle with self-timed pictures
- LCD panel for frame number and battery check
- Supplied lithium battery good for up to five years
- Special contoured case is included

26

Canon
Aqua
Snappy
AS-6

❶ Center Mark
❷ Picture frame line
❸ Use flash lamp

Picture Taking Anywhere... even underwater!

WATERPROOF, WEATHERPROOF:
The Canon Aqua Snappy AS-6 goes anywhere, even up to 33 feet underwater. Special rugged design makes it resistant to adverse weather, dirt, dust and just about anything.

FULLY EQUIPPED:
The Aqua Snappy AS-6 is available with a complete system of accessories for picture taking under any conditions. Included are an accessory base, sports finder, close-up lens, close-up rod for underwater shooting and close-up frame for shooting on land, film case, waist bag and soft camera case.

AUTOMATIC EXPOSURE WITH DX FILM:
There's no ISO control to set. Just insert DX coded ISO 100 or 400 speed films for automatic setting of both aperture and shutter speed.

SHARP PICTURES EVERY TIME:
Just point and shoot. Everything beyond 5 feet is in focus on land, and beyond 3.3 feet underwater. You can also shoot dramatic close-ups with the Aqua Snappy's accessory close-up lens.

AUTOMATIC FILM HANDLING:
Simply drop in the film and align the film leader with the orange mark. Then close the back cover. The Aqua Snappy AS-6 automatically loads and advances the film to the first frame. It also automatically advances the film after each frame and automatically rewinds it immediately after the last picture.
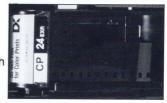
BUILT-IN FLASH:
Great for indoor or underwater picture taking. Just switch it on.

PLUS:
- Canon 35mm f4.5 lens.
- No-slip hand grip.
- Energy efficient design (up to 50 rolls of 24 exp. film on one set of AAA batteries when not using flash)
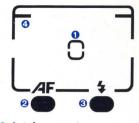- Lightweight and compact.

27

Canon SPRINT

Closer is better

① Autofocus spot
② In-focus/Use close-up lamp
③ Battery check/Use flash lamp
④ Close-up correction mark

AUTOMATIC FOCUSING, EVEN CLOSE-UPS:

Just aim the autofocus spot in the finder at your subject and shoot for razor sharp pictures every time.

For close-ups at 18″, simply switch the flash to the close-up mode and measure the distance with the special bead on the neck strap.

AUTOMATIC EXPOSURE WITH DX FILM:

There's no ISO control to set. Just insert DX coded ISO 100 or 400 speed films for automatic setting of both aperture and shutter speed.
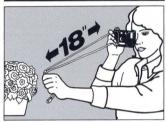
AUTOMATIC FILM HANDLING:

Simply drop in the film and align the film leader with the orange mark. Then close the back cover. Press the shutter-release button and advance the film to the first frame. It also automatically advances the film after each frame and automatically rewinds it immediately after the last picture is taken.
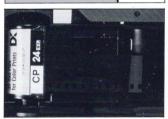
BUILT-IN FLASH:

Simply switch on the flash for perfectly exposed pictures indoors or for fill-in flash outdoors.

PLUS:

- Sharp Canon 35mm f3.5 lens.
- Energy saving design—shoots up to 50 rolls of 24 exp. film (without flash) on one set of AAA batteries.
- Pre-focus lock for recomposing pictures.
- Available in black or wine red colors.
- Built-in lens cover.

Canon
snappy s

O Use flash lamp

A lot of Canon for a little money.

SHARP PICTURES EVERY TIME:
Just point and shoot. Everything beyond 5 feet is in focus.

AUTOMATIC EXPOSURE WITH DX FILM:
There's no ISO control to set. Just insert DX coded ISO 100 or 400 speed films for automatic setting of both aperture and shutter speed.

AUTOMATIC FILM HANDLING:
Simply drop in the film and align the film leader with the orange mark. Then close the back cover and depress the shutter-release button to advance the film to the first frame. It also automatically advances the film after each frame and automatically rewinds it immediately after the last picture.

BUILT-IN FLASH:
Great for indoor picture taking. Just switch it on. Great for fill-in flash outdoors too.

PLUS:
- Sharp Canon 35mm f4.5 lens.
- Energy saving design—shoots up to 50 rolls of 24 exp. film (without flash) on one set of AAA batteries.
- Available in black, red, yellow or green colors.
- Built-in lens cover.

29