

Canon T50

PROGRAMMED AUTOMATION
AUTOMATIC FILM TRANSPORT





Pure Simplicity, Canon SLR

- **Built-in winder**

Auto loading, auto winding

- **Fully programmed AE**

- **Programmed flash AE**

- **Energy-saving design**

- **Lightweight, compact**

If you happen to be reading this in a camera store, look around you. Notice how the stock is divided into two groups? There's the snapshot division, easy cameras to use but limited in terms of what they can "see." Then there are the SLRs. Sophisticated, with the ability to change their angle of view by interchanging lenses. Also, generally far more expensive and complicated.

And on its own, bridging this gap between simplicity and sophistication, stands a new Canon: the T50.

The remarkable T50 is as easy to use as the simplest pocket model. Yet it ranks among the professionals for the pictures it can take. Absent are the confusing knobs and switches of so many single-lens-reflex cameras. They're not needed. From the moment you insert a film cartridge until you release the shutter, everything, apart from focusing, is performed automatically. A built-in winder loads the film, ready for your first shot. The T50 computes the light and sets the correct programmed combination of lens aperture and shutter speed. It's the same story with flash: full automation of exposure with absolutely no calculations or guesswork involved.

For complete ease of operation, plus the flexibility to interchange lenses, think about the T50. And think of the stunningly beautiful 35mm images it can produce for you with Canon's over 50 FD lenses and system accessories.

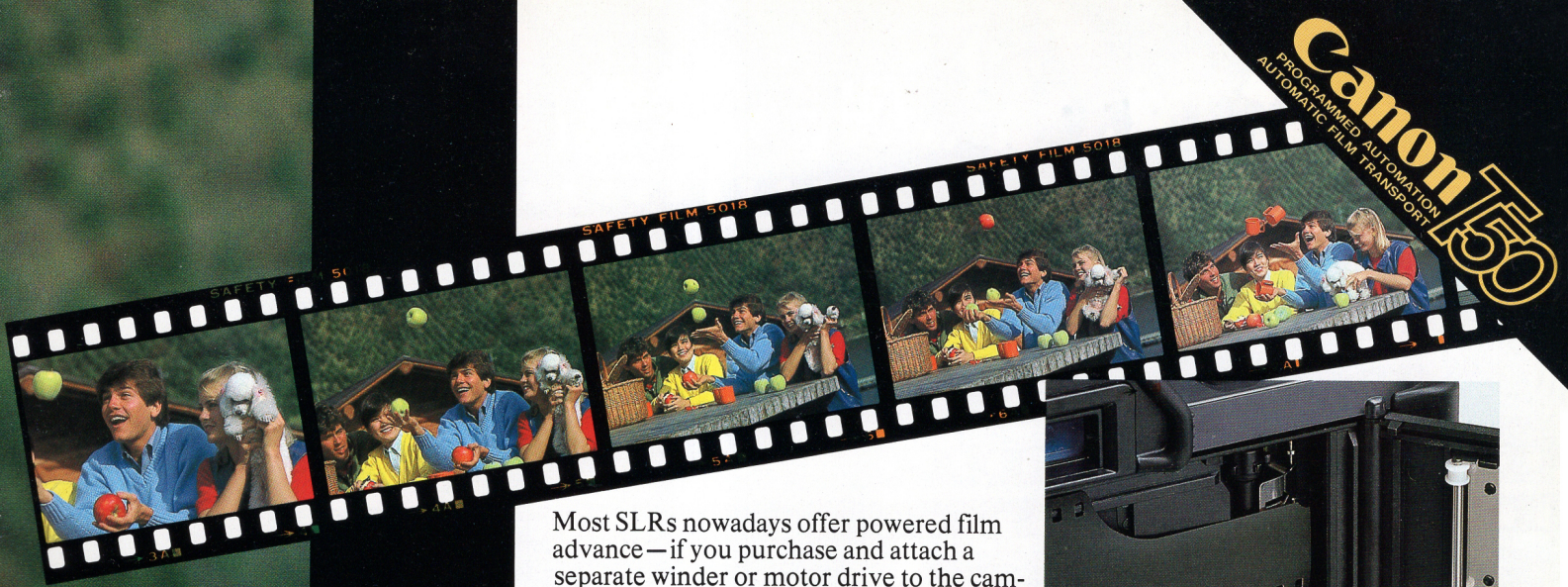
Quality





Automated Film Advance

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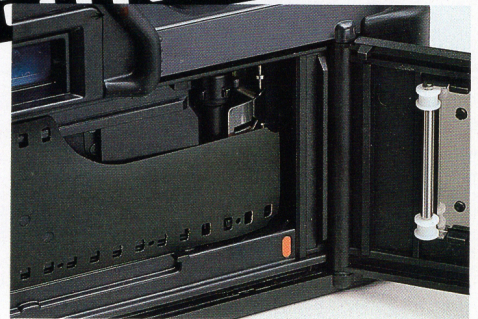
P

Most SLRs nowadays offer powered film advance—if you purchase and attach a separate winder or motor drive to the camera. The T50 has this advantage built in.

The T50's integrated micromotor advances the film automatically each time you take a picture, doing away with the need for a conventional winding lever. Press the shutter button once and the film advances one frame, ready when you are to capture the next dramatic moment. Keep the button depressed and the T50 will fire off shot after action-packed shot at a maximum of 1.4 frames per second. Remote controlled photography is also possible, using the Remote Switch 60 T3.

But even before you take your first picture, the T50's trusty motor assists in another way: with automatic loading. Draw the film across to the orange index and close the back. At a press of the shutter button, the film moves quickly to the starting point for shooting. When you reach the end of the film, an audible warning is given and the motor switches off.

Despite its many automatic functions, the T50 consumes surprisingly little power. Two slim AA-size alkaline batteries will take over 75 rolls of 24-exposure film under normal conditions. Contributing to energy efficiency is the Electromagnetic Attraction Shutter (EMAS). The vertical-travel, focal plane shutter is activated by two attraction magnets to provide stepless, electronically controlled speeds from 1/1000 to 2 sec. for programmed AE photography.

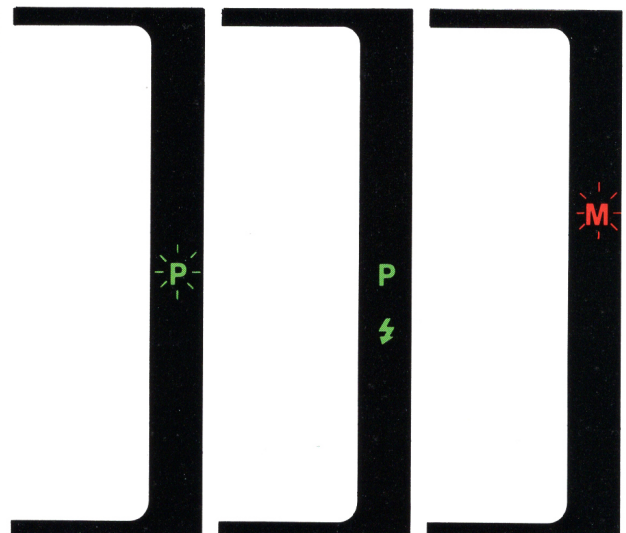




Action-Oriented Programmed AE



Lights continuously when exposure conditions are favorable.



Blinks slowly as warning to use extra camera support or to use flash. Rapid blinking indicates flash is essential.

The "⚡" lights up when the flash is charged. If the subject is too distant for flash, the "P" blinks rapidly.

Blinks when the aperture ring is not set on "A."



You don't have to be an expert to take perfect pictures with the Canon T50—even the very first time you handle it. Advanced electronics make it simple.

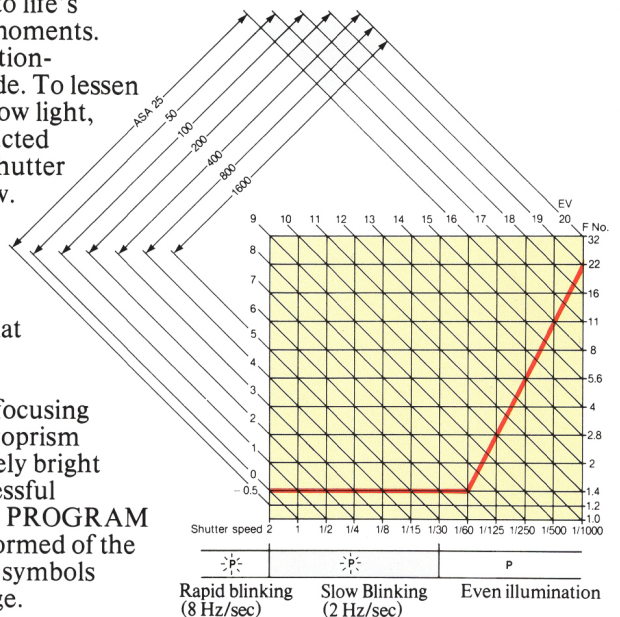
With the lens on "A" and the selector dial at PROGRAM, gently press the shutter button. The camera immediately measures the light, concentrating on the center where the subject is usually

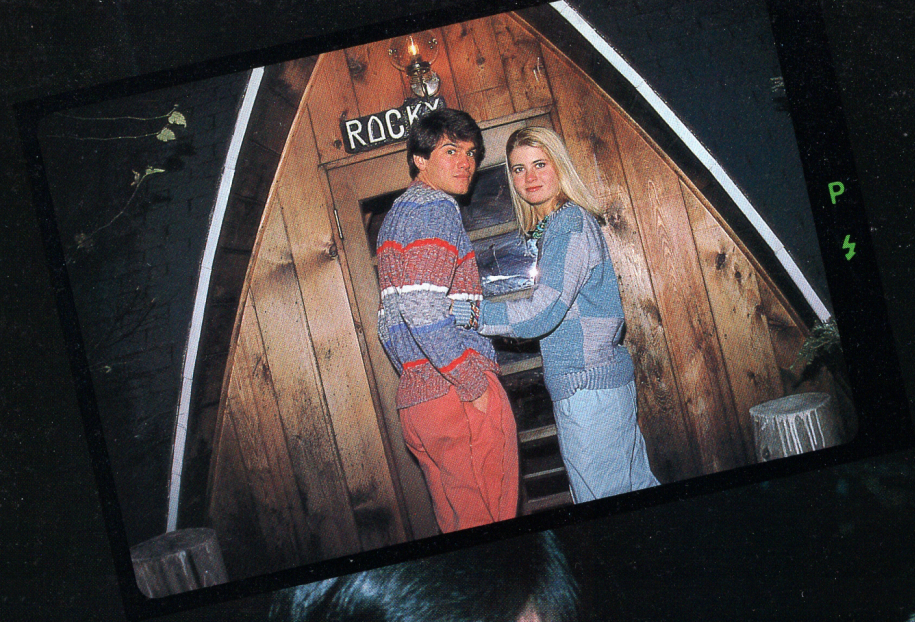
positioned. Using this and other data, it selects the most appropriate combination of shutter speed and lens opening for the lighting conditions.

The T50 with its built-in winder is designed to respond instantly to life's most dramatic and appealing moments. This concept extends to the action-oriented programmed AE mode. To lessen the risk of blurred pictures in low light, Canon's engineers have instructed the T50 to choose the fastest shutter speed that conditions will allow. The graph here shows how. In order to gather as much light as possible, the lens's widest aperture is maintained at all speeds up to 1/60 sec. From that point, the shutter speeds and f/numbers increase sharply.

The T50 uses a laser matte focusing screen with the New Split microprism focusing aid to give an extremely bright viewfinder. It's the same successful formula as applied in the AE-1 PROGRAM and New F-1. To keep you informed of the exposure situation, clear LED symbols light up to the right of the image.

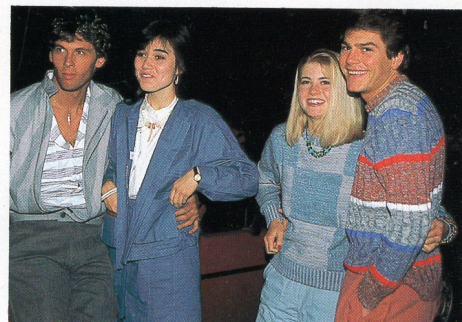
Programmed Combinations of Shutter Speed and Aperture in Programmed AE (with FD 50mm f/1.4 Lens)





Programmed Electronic Flash AE

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Programmed automation doesn't stop when it gets dark. Canon has developed a new dedicated Speedlite that makes flash photography as easy as taking pictures in broad daylight.

The fully automated 244T slips into the hot shoe, linking up with the camera's own programmed microcomputer. It has just two switches: one to turn the unit on and off and a film speed selector. The 244T automatically sets the shutter speed to 1/60 sec. and when the shutter button is pressed halfway, fires a low-intensity infrared pre-flash to judge the distance and reflectivity of the subject. It then sets one of three apertures for optimum results within the camera-to-subject range, 0.5 to 5.7 meters (1.6 to 19 ft). Faster ISO/ASA 400 film will give you perfectly exposed pictures up to 11.4m (37.6 ft) away or as close as 1m (3.3 ft). If the subject is too far away, the viewfinder's "P" mark will blink in warning. A "⚡" lights up when the flash is charged and ready.





T50 + Zoom Lenses



P



The compact, lightweight T50 was made for action. And the best way to record it is with a Canon zoom.

Zoom lenses have a variable focal length, so they are really several lenses in one. It's this feature that makes them so useful for fast-paced situations, such as sports. You can stay right with the action as it ebbs and flows, without having to move position or waste time changing lenses. Shifting in an instant from wide-angle to telephoto, you can frame the scene just the way you want it or close in on an interesting detail which catches your eye. And whereas zoom lenses used to be more cumbersome than fixed focal length optics, this is no longer the case. A new Canon zoom, the New FD 35—70mm f/3.5—4.5, weighs a mere 210g (7.4 oz.)—less than most 50mm standard lenses. It's the ideal lens for shooting everything from expansive scenics to nature close-ups with the T50. Other zooms include the New FD 35—105mm f/3.5 with macro and the New FD 70—210mm f/4.





New FD 28mm f/2



New FD 200mm f/2.8

The Magic World of Canon FD Lenses

New Fish-eye FD 15mm f/2.8
Photo by Heinz Fischer, Germany

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New FD 50mm f/3.5 Macro

Own the T50 and advance directly to a higher level of quality in photography. No longer are you rigidly restricted to just one viewpoint. The T50 is usable with the more than 50 lenses comprising the Canon FD lens system.

From all-encompassing fish-eye and super wide-angle lenses to dramatic telephotos, Canon FD lenses have everything you need to express yourself as a photographer. And with the programmed ease that the T50 promises. Another important thing to remember is that all FD lenses can be used with any Canon SLR, past, present and future.

Essential though the camera body is to the picture-making process, it is the lens that is the ultimate determinant of image quality. The most advanced computer-aided design techniques are employed in the manufacture of Canon FD lenses. At every stage, they are rigorously tested to ensure their uniformly excellent resolution and color balance.

Canon Interchangeable Lenses

Fish-eye	New Fish-eye FD 15mm f/2.8
Super Wide-Angle	New FD 14mm f/2.8L
	New FD 17mm f/4
	New FD 20mm f/2.8
Wide-Angle	New FD 24mm f/1.4 L
	New FD 24mm f/2
	New FD 24mm f/2.8
	New FD 28mm f/2
	New FD 28mm f/2.8
	New FD 35mm f/2
Standard	New FD 35mm f/2.8
	New FD 50mm f/1.2L
	New FD 50mm f/1.2
	New FD 50mm f/1.4
Telephoto	New FD 50mm f/1.8
	New FD 85mm f/1.2 L
	New FD 85mm f/1.8
	New FD 100mm f/2
	New FD 100mm f/2.8
	New FD 135mm f/2
	New FD 135mm f/2.8
	New FD 135mm f/3.5
	New FD 200mm f/2.8
	New FD 200mm f/4
	New FD 300mm f/2.8 L
	New FD 300mm f/4 L
Super Telephoto	New FD 300mm f/4
	New FD 300mm f/5.6
	New FD 400mm f/2.8 L
	New FD 400mm f/4.5
	New FD 500mm f/4.5 L
Zoom	New FD 600mm f/4.5
	New FD 800mm f/5.6 L
	New FD 24-35mm f/3.5 L
	New FD 28-50mm f/3.5
	New FD 35-70mm f/2.8-3.5
	New FD 35-70mm f/3.5-4.5
	New FD 35-105mm f/3.5
	New FD 50-135mm f/3.5
	New FD 50-300mm f/4.5L
	New FD 70-150mm f/4.5
	New FD 70-210mm f/4
	New FD 80-200mm f/4
	New FD 85-300mm f/4.5
	New FD 100-200mm f/5.6
Autofocus	New FD 100-300mm f/5.6
	New FD 150-600mm f/5.6L
Macro	New FD 35-70mm f/4 AF
	New Macro FD 50mm f/3.5
	New Macro FD 100mm f/4
Soft Focus	New Macro FD 200mm f/4
	New Softfocus FD 85mm f/2.8

New FD 100mm f/2.8



A Guided Tour of the T50



3 Accessory Shoe with Contacts

The accessory shoe has special contacts for fully programmed electronic flash AE with the 244T Speedlite. This allows automatic selection of the 1/60 sec. sync speed and correct aperture, plus issuance of a charge completion signal and distance warning indicator in the viewfinder.



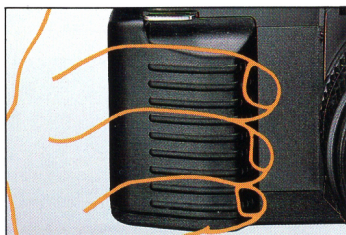
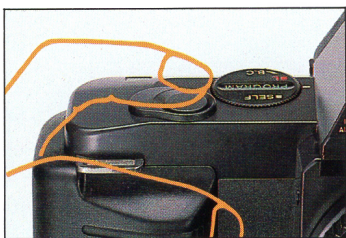
5 Film Speed Dial

Any film speed from ISO/ASA 25 to 1600 can be set by pressing the lock release button and rotating the dial.



1 Soft Release Shutter Button

The shutter release is soft and smooth thanks to its electromagnetic operation and the oversized shutter button with finger rest. The button also activates the meter when pressed halfway. Viewfinder symbols inform whether exposure is correct. Press the button fully to release the shutter. The film automatically advances to the next frame.



2 Firm Action Grip

Form mirrors function in the T50. A molded action grip ensures secure and comfortable handling at all times.



4 4-Position Selector Dial

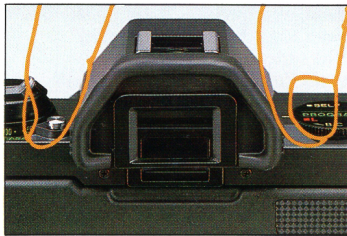
The T50's "command center." The selector dial should be set to PROGRAM for normal photography and when using flash. Set the dial to SELF for 10 sec. self-timer operation. A beeping sound provides an audible reminder. The same audible signal confirms sufficient battery power when the dial is held at "BC." To prevent accidental shutter release, turn the dial to "L."



Semi-Hard Case L

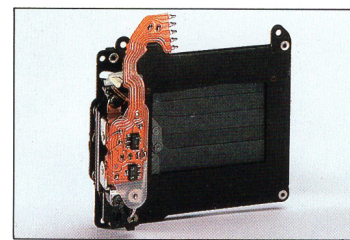
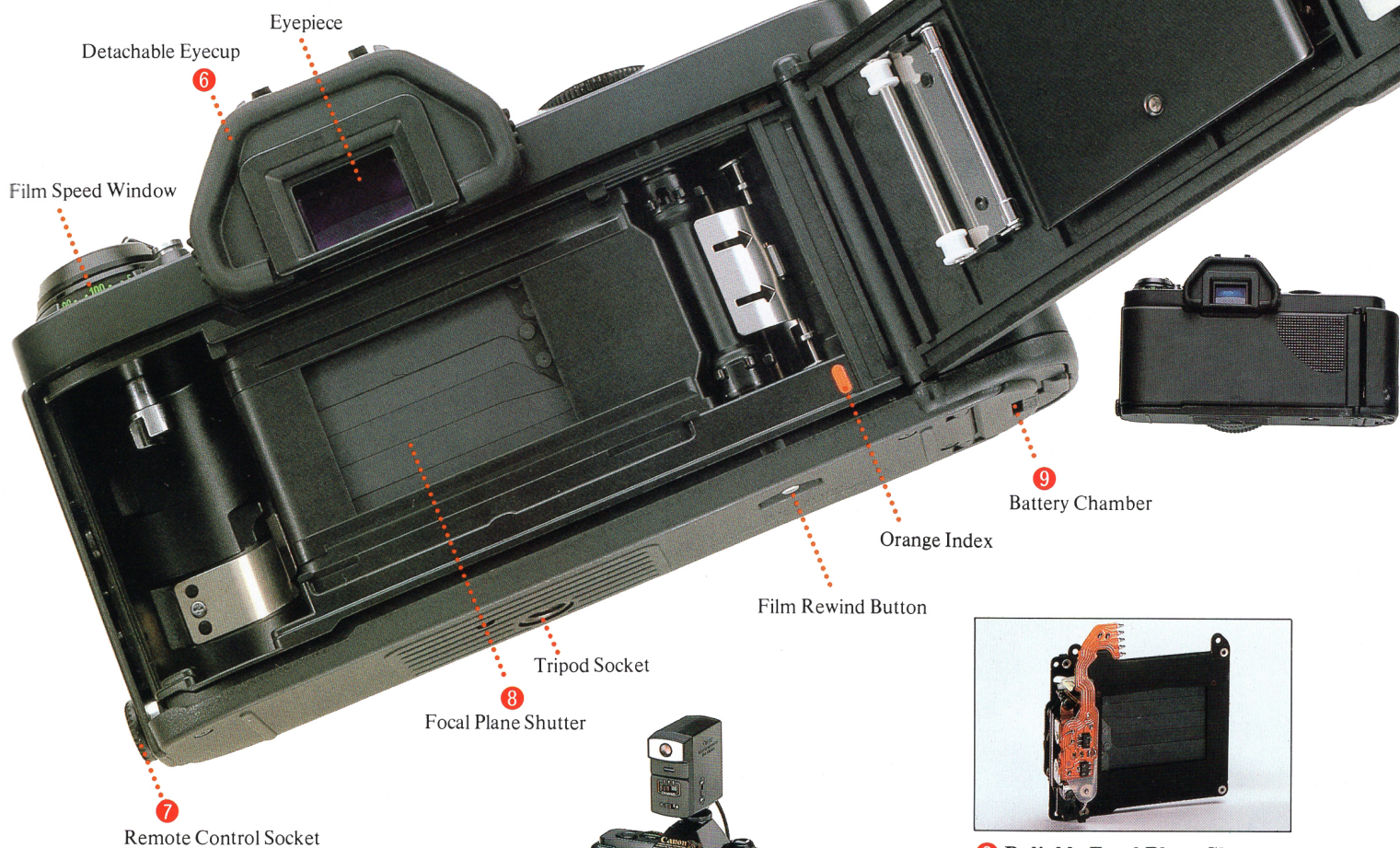
The protective semi-hard case is large enough to accommodate the T50 with New FD 35-70mm f/3.5-4.5 zoom lens.





6 Comfortable Eyecup with Optional Diopters

The large, molded rubber Eyecup T slides onto the eyepiece grooves and is air cushioned for more comfort. Ten eyesight correction lenses are available for dioptric correction between -4 and $+3$.



8 Reliable Focal Plane Shutter

The compact, lightweight EMAS focal plane shutter produces minimal vibration during its vertical action. Fully electronic control is provided by two attraction magnets linked to a CPU. Precision timing of the shutter curtain travel results in unprecedented exposure accuracy.



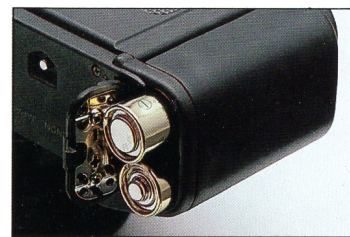
7 Remote Control Operation

Remote control photography has never been so easy. Plug the optional Remote Switch 60 T3 directly into the T50; unlike other SLRs, there's no need for an external power drive. The remote switch also functions as a cable release. With the Extension Cord 1000 T3 you can shoot from even farther away: about 10m (33 ft).



More accessories. . .

Sometimes, it's impossible—or too risky—to get in close to the subject. In hazardous industrial environments, sports or wildlife photography, for instance. A useful accessory here is the Wireless Controller LC-1, which allows wireless remote operation up to 60m (198 ft) away. The biologist and scientist can record the various growth stages of plants and animals at precisely timed intervals with the Interval Timer TM-1 Quartz. A separate adapter cord, the Remote Switch Adapter T3, must first be attached when using these two accessories.



9 Battery Chamber

The T50 requires only two 1.5V AA-size alkaline batteries to power its circuits for up to 75 rolls of 24-exp. film. They are housed in the grip.

SPECIFICATIONS



Type: 35 mm SLR (Single-Lens Reflex) camera with electronically-controlled programmed AE (Automatic Exposure).

Exposure Modes: Programmed AE and programmed AE flash photography with Canon Speedlite 244T.

Format: 24 × 36 mm.

Usable Lenses: Canon FD series lenses only.

Viewfinder: Fixed eye-level pentaprism.

Field of View: 92% vertical and 93% horizontal coverage of the actual picture area.

Magnification: 0.83X at infinity with a standard lens.

Viewfinder Information: Information is displayed by way of LED digital display positioned to the right of viewing area.

(P): Programmed AE indicator. 2 Hz flashing indicates camera shake warning; 8 Hz flashing indicates underexposure warning.

(M): Manual aperture setting. 4 Hz flashing indicates exposure may be incorrect.

(): Flash charge-completion display.

Light Metering System: TTL (Through-The-Lens), Center-weighted average by SPC (Silicon Photocell). Stopped-down metering is impossible and Non-FD lenses and close-up system accessories without AE signal pins cannot be used.

Meter Coupling Range: EV 1 (1 sec at f/1.4) to EV 18 (1/1000 sec at f/16) with ISO 100/21°, ASA 100 film.

Film Speed Scale: ISO 25/15°, ASA 25 — ISO 1600/33°, ASA 1600.

Shutter: Vertical travel focal-plane, electromagnetic attraction shutter. Electronically controlled.

Shutter Speed: Automatically controlled from 2 sec to 1/1000 sec at "A." 1/60 sec when disengaged from "A."

Mirror: Instant-return, with shock and noise absorber.

Self-timer: Electronically controlled. Ten-second time lag activated by pressing shutter button. Beep sounds to indicate operation; sound frequency increases two secs before shutter release.

Selector Dial: Four positions: "SELF," "PROGRAM," "L," and "B.C." At "L" all active circuits are cut off as a safety feature.

Shutter Button: Two-step, electromagnetic shutter button. Pressing it halfway activates the indicators. Pressing it all the way sets shutter in operation.

Flash Synchronization: X-sync at 1/60 sec. Direct contact at accessory shoe for hot-shoe type flash. When used with Canon "A" series Speedlites, 533G, or 577G, shutter speed is automatically set and aperture is also automatically set to the aperture value of the flash when the pilot lamp glows.

Automatic Flash: Programmed with the Canon Speedlite 244T. After infrared light is radiated,

shutter speed and aperture (f/2.8, f/4, f/5.6) are automatically set according to the shooting distance and the reflectivity of subject.

Remote Control: Possible. With three-terminal contact for remote control. Remote Switch 60 T3 exclusive is required.

Power Source: Two size-AA alkaline-manganese or carbon-zinc batteries. Ni-Cd batteries cannot be used.

Battery Check: Beep sounds when rotating selector dial to "B.C." Absence of sounds indicates insufficient power.

Back Cover: Opened by pulling up rewind knob. Unremovable.

Film Loading: Loaded automatically. Automatically advances to "1" at 1/1000 sec by keeping the shutter button pressed.

Film Advance: Advanced automatically by a built-in power winder. Approx. 0.7 sec for film advance. Continuous shooting is possible by keeping the shutter button pressed.

Film End Warning: Warned by beep sounds.

Film Rewind: By pressing rewind button and cranking rewind knob.

Frame Counter: Additive type. Automatically resets to "S" upon opening back cover.

Dimensions: 150.2mm × 87mm × 48.4mm (5-15/16" × 3-7/16" × 1-15/16") body only.

Weight: 490 g (17-5/16 oz.) body only.

Subject to change without notice.



Canon

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