

Canon F-1

English Edition

A Camera for All Seasons
and Reasons



A Camera for All Seasons and Reasons

Summer, Fall, Winter, Spring. Arctic to tropical conditions. Anytime, anywhere. The Canon F-1 is ready to go where the pictures are.

Winter: There are plenty of picture-taking possibilities for a photographer with the right camera. One that will still operate when the weather really gets cold. How about using a motor drive on the ski slopes to catch all the action? Or would you like to photograph snow crystals through a microscope? It's easy with the F-1.

Spring: The season of new awakenings. In you as a photographer and in the earth around you. Flowers are starting to bloom. Of course you want to capture all this beauty, and you can with a Canon. Use the new FD 100mm macro lens or FD 50mm macro lens. By using with the life-size adapter, close-up photography of wild-life can be taken with the magnification of from 1/2 up to life-size.

Summer: Sports car races. Combine the Servo EE Finder with a 100–200mm zoom lens. You can focus and crop your shots in the camera while exposures are set for you automatically. Now you can concentrate on all the color and excitement of the event without worrying about missed shots. Campfires. Everyone is sitting around the fire roasting marshmallows. Use a Canon electronic flash unit and a Flash-Auto Ring on your standard 50mm or 35mm wide-angle lens to get perfect shots everytime. Focus on the faces, and they will be properly exposed. Not many other flash systems can guarantee that kind of performance outside at night.

Fall: The time of the year for breath-taking sunsets. Start shooting with the camera's accurate built-in exposure meter. After the sun sets, switch over to the meter in the optional Booster T Finder to catch the radiant afterglow. When the harvest moon appears, you can continue shooting, because the Booster T Finder can read down to EV–5.5 with an ASA 25 film. That means long exposures of 60 seconds at f/1.2! The meter in this fantastic finder is the world's most sensitive TTL (through-the-lens) meter.

Now that you have discovered the creative possibilities which photography has to offer, you need a camera which can keep pace with you. One that can transform your experiences into reality. Anytime during the year. The Canon F-1 is just this type of camera. The camera for all seasons and reasons.

CANON F-1 FEATURES

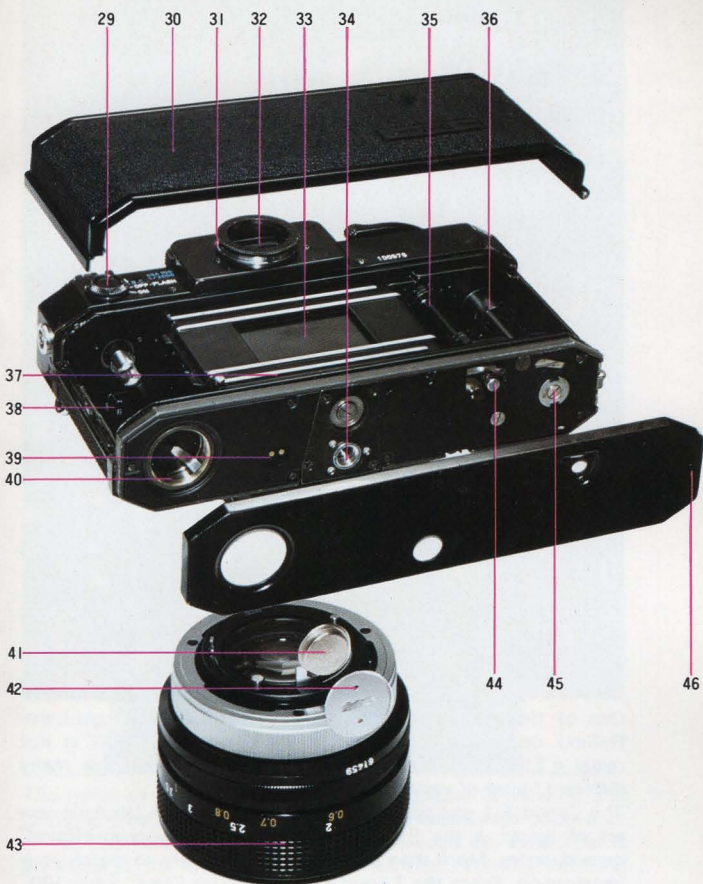
- 1** An Extremely Wide Range of Interchangeable Lenses
- 2** Viewing and Focusing Flexibility
- 3** Professional-Quality Exposure Measurement
- 4** Automatic Exposure Control
- 5** Foolproof Dim-Light Photography
- 6** A Choice of Three Motor Drives
- 7** 250 Exposure Shooting Capacity
- 8** Match-Needle Flash Photography
- 9** A Complete Line of Accessories for Close-Ups, Macrophotography and Photomicrography.



MODULAR CONSTRUCTION FOR TOTAL FLEXIBILITY



1. Hood
2. Bayonet Ring for Cap and Hood
3. Focusing Ring
4. Distance Scale
5. Aperture Ring
6. Canon Breech-Lock Ring
7. Servo EE Finder Coupling Socket
8. Release Button (for lifting rewind knob to open back cover)
9. Sync Terminal
10. Film Rewind Knob with Crank
11. Rails for Flash Coupler
12. Direct Synchronization Contact
13. CAT System Contact
14. Film Plane Indicator
15. Illumination Window for Meter Information
16. Interchangeable Focusing Screen
17. Viewfinder Release Button
18. EE Lock Pin
19. L-M Lock Lever
20. Shutter Speed Dial
21. Shutter Speed Dial
22. L-M Lock Lever
23. EE Lock Pin
24. Shutter Speed Dial
25. Canon Logo
26. Viewfinder Release Button
27. Viewfinder Release Button
28. Viewfinder Release Button



- 21. Multi-Purpose Lever
- 22. ASA Film Speed Scale
- 23. "B"/Shutter Button Lock Lever
- 24. Frame Counter
- 25. Shutter Button
- 26. Winding Lever
- 27. Interchangeable Eye-Level Finder
- 28. Eyecup
- 29. Meter Switch
- 30. Back Cover
- 31. Eyepiece Ring
- 32. Eyepiece
- 33. Titanium Focal Plane Shutter Curtains
- 34. Tripod Socket
- 35. Film Transport Sprocket
- 36. Multi-Slot Take-Up Spool
- 37. Film Plane Rails
- 38. Film Cartridge Chamber
- 39. Motor Drive Contacts
- 40. Battery Compartment Chamber
- 41. Mercury Battery
- 42. Battery Compartment Cover
- 43. Interchangeable Lens
- 44. Film Rewind Button
- 45. Film Winding Coupler for Motor Drive
- 46. Bottom Cover

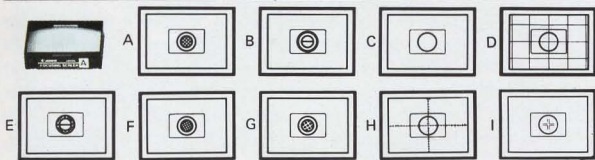


One of the most attractive features of an SLR (Single-Lens-Reflex) camera is its lens interchangeability. An SLR is not really a SINGLE LENS reflex at all, because it can use many different lenses of various focal lengths.

The Canon F-1 was designed in conjunction with a fabulous new set of lenses — the FD, FL telephoto, and "special effects" manual series. More than 30 in all, there is a lens to match your imagination. From the 7.5mm Fish-Eye which "sees" a full 180° to the 1200mm super-telephoto, having a picture angle of only 2°, any photographic image in the mind's eye can be rendered. A special "Tilt and Shift" wide-angle lens not only can correct perspective distortion in pictures of tall buildings but also can increase depth of field without a change in f/stop. An aspherical 55mm f/1.2 lens can be used wide-open without the slightest trace of spherical aberration or flare. Two macro lenses, the FD 50mm focusing to 23.2cm (20.5cm with the Life-Size Adapter) and FD 100mm focusing to 45cm (40cm with the Extension Tube FD 50), reveal the infinite beauty of the world in close-up. In addition there are three zoom lenses and three ultra-sharp and compact fluorite telephotos.

Canon's optical engineers use high speed computers to assist them in the complicated job of designing high quality lenses. These computers can trace numerous theoretical paths of light rays passing through each design and then select the best optical formula or modify it when necessary. Consequently, each lens is exactly corrected for all types of aberrations and is capable of producing pictures with outstanding resolution. To significantly reduce ghost images and flare, most lenses are now multi-layer coated by Canon's exclusive process, called "Super Spectra Coating." Canon interchangeable lenses offer you outstanding versatility, compactness and handling ease. In terms of sharpness and contrast, they are the best that the present state of the art permits.

2 Viewing and Focusing Flexibility



The name of the game in SLR photography is viewing and focusing. One of the main reasons for the widespread popularity of the SLR is that the image you see through the viewfinder is the same as the image recorded on the film. Viewing, focusing and composing become simple matters. There is no problem using a 500mm lens with an extremely small angle of view of only 5° or in taking life-size close-ups with a macro lens, because what you see through the lens is what you get.

But not all focusing screens work equally well with all lenses. Canon has solved this problem by giving you a choice of nine interchangeable focusing screens for the F-1 camera.

Type A (microprism) comes as standard equipment and is an all-around choice for general photography. However, for wide-angle and super wide-angle lenses, Type B (split-image) enables a critically accurate focus. Type C (all matte) is indispensable in telephoto photography with long lenses (300–1200mm) and in close-up work with macro lenses. Type D (matte/section), similar to Type C, is crosshatched to aid in architectural or other photography where straight lines are important. Type E (split-image/microprism) can perform precise focusing on any part of the screen. Types F and G (microprism), similar to Type A, are for large aperture and small aperture lenses, respectively. For close-up and macrophotography, Type H (matte/scale) is recommended. Type I (double cross-hair reticule) is for very high magnifications.

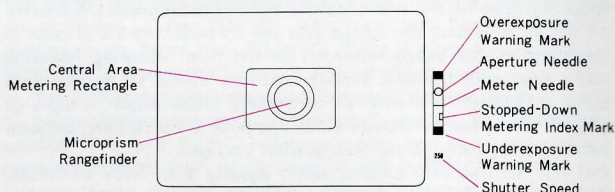
In the interchangeable viewfinder department, the Canon F-1 user has a wide choice — the Eye-Level Finder, the Waist-Level Finder, the Speed Finder, the Servo EE Finder and the Booster T Finder. For viewing comfort and to prevent stray

light from entering the viewfinder from the rear, a rubber Eyecup may be attached to the eyepiece. The Angle Finders A2 or B may be screwed into the eyepiece to allow the F-1 with standard Eye-Level Finder to be used in copy work or from a low angle. The Angle Finder A2 shows a reversed image, whereas the B model incorporates an extra mirror in its design to produce natural, unreversed views. The accessory Magnifier R magnifies the central portion of the focusing screen $2\frac{1}{2}$ times to facilitate extremely precise focusing and can be flipped up out of the way for normal viewing. Canon has even provided for the photographer with less than perfect eyesight by giving him a choice of seven dioptric adjustment lenses.

Detaching the Eye-Level Finder is simplicity itself. Just press two small buttons on either side of the eyepiece and slip it off — it slides in its own precisely-machined rails with no wobble or play. Then the Waist-Level Finder may be attached for use in copy work or in photography from a low vantage point. It has its own folding hood and built-in, flip-up magnifier for focusing ease.

Or when the action becomes fast-paced, the unique Speed Finder is very handy. Oftentimes it's not possible to keep your eye glued to the viewfinder. With the Speed Finder in place, you can move your eye $2\frac{1}{2}$ inches away from the eyepiece and still see the entire picture frame plus the meter information window. Oh yes, the metering function is not lost with the Speed Finder, but is still completely usable. Another nice feature is that the rear part of the Finder swivels a complete 360° , which allows you to use the camera from practically any position — over your head, out to the side, or down at ground level. The Speed Finder is also very convenient when shooting close-ups of flowers or insects near the ground or when copying documents with the F-1 mounted on a copy stand. The Speed Finder is definitely one of the most original among the many useful focusing and viewing accessories available for the F-1.

3 Professional-Quality Exposure Measurement

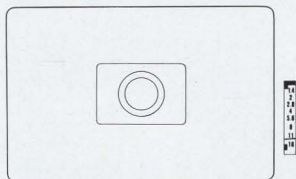


Nowadays, all built-in exposure meters for cameras read light coming through-the-lens (TTL), and most measure it with the lens at full aperture. But Canon is the only camera that uses a Central Area System for exposure measurement, too. Don't mistake the Central Area System for a center-weighted one, because it's different. In Canon's method, a 12 percent center portion is the only part of the picture area measured by the meter, and this portion is clearly indicated by a slightly darkened rectangle which does not interfere in the least with focusing or viewing. The Central Area System is employed to give the photographer two options, that of using the meter like an averaging type or like a true spot meter. The Central Area is large enough for the fast-shooting photographer simply to meter the main subject and get a reliable reading; yet it is small enough to allow the most exacting worker to meter small areas in the picture very accurately so as to ensure highlight or shadow details. Backlighting is no problem at all, because the metering area is clearly defined. Under all kinds of lighting conditions, the Canon F-1's Central Area System gives the photographer complete control over his exposures.

4 Automatic Exposure Control



When the action becomes fast and furious, there is usually not enough time to think about exposure. You are too busy following the subject, focusing and composing. When this is the case, just detach the Eye-Level Finder of the F-1 and attach the Servo EE Finder in its place. Immediately you have an automatic camera, one that sets the proper exposure for you quickly and accurately. You select the shutter speed depending on the amount of action you want to "freeze" or on the focal length of the telephoto lens you are using, and a special servo motor adjusts the diaphragm of the lens to the proper aperture. Central Emphasis Metering is employed in the Servo EE Finder to ensure good exposures in the majority of cases. In this type of system the entire picture area is read by the meter, but additional weight is given to the center where the main subject is likely to appear.



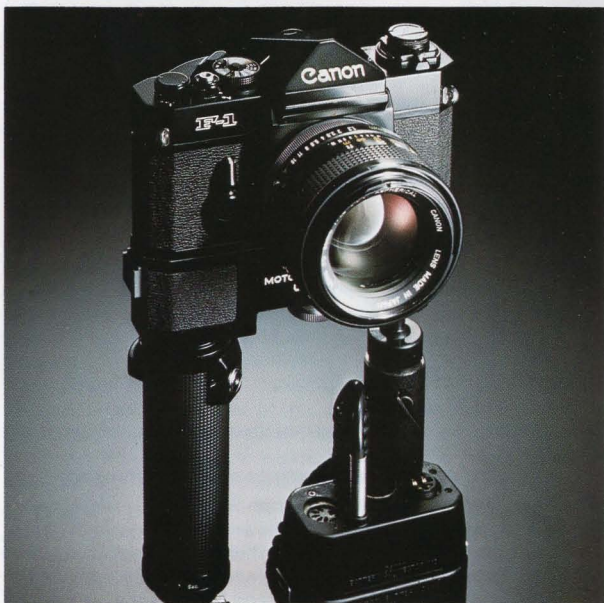
5 Dim-Light Photography

When the light grows dim, the Canon F-1 really starts to shine. Simply replace the Eye-Level Finder with the Booster T Finder, and now you can meter the faintest light through-the-lens, even the light from the full moon. This incredible unit takes all the guesswork out of nighttime photography. It even times your long exposures for you electronically up to 60 seconds at ASA 25! There is no need for a cable release as the shutter is held open automatically for you while a blinking light on top of the finder indicates the number of seconds of the exposure. Nothing could be easier.

When the lens-to-film plane distance is increased with bellows or extension tubes to produce extreme magnifications in macro work or when the F-1 is used on a microscope, the light reaching the film becomes quite dim indeed. In this case, the Booster T Finder is the only way to get accurate TTL meter readings.



6 A Choice of Three Motor Drives



Motor drives have become quite popular in recent years, because they offer two distinct advantages. One advantage is rapid film advance. In the "Single" mode of operation, the film is automatically advanced to the next frame immediately following each individual shot. Therefore, the camera is always ready to

use, and you never have to bother with advancing the film manually. The second advantage is sequence photography. In the "Continuous" mode, a rapid succession of photographs may be taken in bursts usually up to three or four frames per second (fps). You can capture fast action at its peak or analyze it in sequential form frame by frame. The most significant pose of a fashion model and the fleeting expression of a child may be recorded without missing the shot. Or an athlete's form can be studied step by step.

A motor drive is not only convenient and fun to use, but is indispensable for photojournalism, sports, and wildlife photography where quick response is essential.

Canon makes a total of three (that's right, three) motor drives for the F-1! All three use Canon's reliable two motor system: one motor to advance the film and a separate motor to release the shutter. Both the Motor Drive Unit and the Motor Drive MF are easily attachable to any F-1 camera without modification. Simply remove the camera's bottom cover and screw the motor into the tripod socket. The third motor drive is permanently built into the bottom of a modified F-1 body. This unit, including the body, motor and separate battery pack is called the High Speed Motor Drive Camera.

The Motor Drive Unit is a moderately priced, versatile accessory having many uses, including industrial and scientific applications. It has a built-in intervalometer which doubles as a handgrip underneath the camera. A total of eight shooting intervals ranging from one frame per minute to three per second are available. Either cord or cordless battery cases housing 10 penlight batteries (Size AA) can be used.



The Motor Drive MF is a recent addition to the Canon line and is perfect for hand-held action photography with its handgrip mounted on the front right side. Following suggestions from sports and news photographers, Canon designed a compact motor with a detachable handgrip (which also serves as the battery case for ten penlight cells) and made the intervalometer an optional accessory. In the "Continuous" mode, 3 1/2 fps may be shot at shutter speeds from 1/60 to 1/2000 sec. No mirror lock-up is required. When the accessory Interval Timer L is plugged into the side of the MF, nine rates from two fps to one frame every three minutes are available. Other accessories such as a self-timer,

extension cord and remote switch extend the Motor Drive MF's range considerably.

Designed especially for the 1972 Sapporo Winter Olympic Games, the High Speed Motor Drive Camera is the rapid action photographer's dream come true. A semi-transparent stationary reflex mirror has been borrowed from the Canon Pellix camera and installed in a modified version of the F-1. A special high speed motor is permanently built into the bottom of the camera and is powered by 20 penlight cells in a separate battery pack. Both single frame and continuous shooting from four to nine fps are possible. Even at 9 fps, continuous uninterrupted viewing is possible right through the camera's viewfinder. The mirror never needs to be locked in the upward position. Fantastic!

A useful accessory for motor driven photography is available from Canon. The Time Lapse Programmer can be connected to the Canon F-1 equipped with the Motor Drive Unit or Motor Drive MF. The Canon Time Lapse Programmer is composed of the "A" unit and "B" unit. The "A" unit regulates the shooting intervals between each frame from 2 seconds to 59 minutes 59 seconds and continuous shooting time from 1 second to 59 minutes 58 seconds. Within this time limit, the use of only the "A" unit is possible. The "B" unit sets the starting and the stopping time for the "A" unit to operate from 1 minute to 24 hours. A few of many examples as to the usage of these programmers can be found in the educational field, observation of traffic and nature study. When the Servo EE Finder is used in conjunction with either the Motor Drive Unit or the Motor Drive MF plus Interval Timer L, the F-1 can perform totally unmanned, automatic exposure photography in changing lighting situations.



7 Extended Shooting Capacity



Using a motor drive is a fast way to shoot and a sure way to use up a lot of film. A continuous burst will use up a 36 exposure roll in a little over ten seconds.

Suppose you're covering a championship fight. You've got to be ready to capture that crucial knockout blow if and when it occurs. But at 3 or 3½ fps, you might run out of film before the end of the first round.

In this situation, the Film Chamber 250 is the answer. This specially designed unit is attached to the F-1 camera in place of the regular back cover. It permits 250 exposures of uninterrupted shooting using about 33 feet of bulk film. The Film Chamber 250 contains two Film Magazines 250, one on the left side of the camera for supply and the other on the right for take-up. When you run out of film, there is no rewinding. Just close the light traps on both magazines, and open the back cover. Remove the take-up magazine. Then transfer the empty supply magazine to the take-up side. Drop in another bulk loaded magazine, thread the film, and you're ready to shoot another 250 exposures. Immediately.

The exact length of film needed for 250 exposures can be pre-loaded into a magazine using the Canon Film Loader 250.



8 Match-Needle Flash Photography



Canon has developed an entirely new solution to the old problem of achieving correct exposures in electronic flash photography — it's called the CAT (Canon Auto Tuning) System.

With manual flash units, you have to make complicated calculations using guide numbers, whereas automatic sensor-type units do not work well outside at night or when there is a large foreground object between you and the subject.

In the CAT System, the focused distance of the lens as well as the charging level of the flash unit's capacitor are transmitted as electrical signals to the F-1's metering system which then determines the position of the meter needle inside the viewfinder. To obtain proper exposure, just turn the aperture ring to match the aperture needle with the meter needle and shoot. It's as easy as normal daylight photography.

At present, four FD lenses — two standard 50mm lenses, the f/1.8 and the f/1.4, and two 35mm wide-angles, the f/3.5 and the f/2 — can be used with the CAT System when the Flash-Auto Ring A2 or B2 is bayonet mounted to the front of lens.

The compact Canon Speedlite 133D is a shoe mounting unit which couples directly to the F-1 via the Flash Coupler L. It has a guide number of 30 (ASA 25 in ft.) and uses four penlight batteries.



9 A Complete Line of Accessories



With a complete line of accessories for close-ups, macrophotography, and photomicrography, you too can capture the magic of the world in close-up with the F-1. Exotic flowers, strange insects and intricate watchworks all take on new meaning when photographed at close range.

One of the easiest ways to enter this exciting field is with the fabulous FD 50mm f/3.5 S.S.C. Macro lens. It has an extra long helicoid which permits continuous focusing from infinity down to 1/2 life size. With the addition of the Life Size Adapter, focusing down to 1:1 is possible. At this reproduction ratio, the subject area of the photograph is the same size as the 35mm frame, that is 24 x 36mm. You can fill the frame with just the center part of an orchid, while Super Spectra Coating ensures perfect color fidelity of its delicate shades even in backlit situations.

The newly developed Macro Lens FD 100mm f/4 S.C. offers the photographic magnification of up to 1/2 life size while the combined use of the Extension Tube FD 50 offers the photographic magnification ranging from 1:1 to 1/2 life size. Since this macro lens has a focal length twice as long as the standard lens, photographs can be taken at a considerable distance from the subjects. This is highly effective for shooting plants, animals and insects which you cannot very easily approach and for the subjects requiring flash photography.

Another way to take close-ups is by using a bellows unit. The Bellows FL is a solidly built accessory which can be used between the F-1 body and any Canon lens for extreme macro work. With a standard 50mm lens mounted on the Bellows FL, magnifications up to approximately 3X are possible. Focusing and magnification adjustments can be made at the subject side or the camera side of the bellows, while the entire unit plus camera can be moved back and forth with a separate control. Semi-automatic diaphragm control is possible when the lens is mounted in the normal position. When a standard lens is mounted on the bellows in the reverse direction (using the Macrophoto Coupler FL55), you lose diaphragm automation, but it's possible to obtain up to 4X magnifications of your subject.

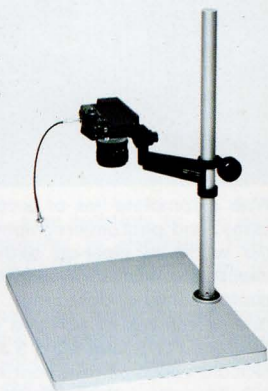
Canon has other accessories for taking close-ups, including Canon Close-up Lenses, Extension Tube FL 15 and FL 25, the Extension Tube M set and Bellows M.

"Photomicrography" means taking pictures through a microscope. Instead of using the camera lens, the microscope's optics are used to form the image. There are two accessories for coupling the F-1 to the microscope of your choice. The Photomicro Unit F attaches the F-1 directly to the microscope sleeve and permits $\frac{1}{2}$ magnification of the microscope's image, whereas the Microphoto Hood must be used in conjunction with the Lens Mount Converter A, and a bellows and copy stand but can provide up to full size magnification.

For slide copying, Canon makes the Slide Duplicator FL which is used with the Bellows FL and a standard or macro lens in making up to 1:1 duplicate slides.

Copying pictures or diagrams from all types of printed materials is a cinch with either of Canon's two copy stands, the lightweight Handy Stand F or the sturdy Copy Stand 4 having a baseboard and upright post with a camera holder.

Canon also makes its own filters, cable releases, and gadget bags.



If you purchase the Canon F-1, you are not buying just another camera, but one having a total system of interchangeable parts and accessories built around it. As your involvement grows in photography and your interests change, the F-1 is ready and willing to keep pace with you. It's as flexible as your creative spirit and as wide ranging as your ideas. Without special weatherproofing, the F-1 can operate in temperatures from -4° to $+140^{\circ}$ F. The Canon F-1 is truly a camera for all seasons and reasons. Your camera. From Canon.

SPECIFICATIONS

Type: 35mm single-lens-reflex camera with focal plane shutter.

Format: 24 x 36mm

Standard Lens: Canon FD 55mm f/1.2 S.S.C., FD 50mm f/1.4 S.S.C., or FD 50mm f/1.8 S.C.

Interchangeable Lenses and Functions: FD series for full aperture metering and FL series for stopped-down metering. Both series coupled with automatic diaphragm.

Viewfinder: Removable eye-level pentaprism finder. Interchangeable with Waist-Level Finder, Servo EE finder, Booster T Finder and Speed Finder.

Focusing Screen: Fresnel lens and micoprism spot rangefinder. Interchangeable with 8 other types.

Field of View: 97% of actual picture area.

Viewfinder Information: Meter needle and aperture needle (circular index), shutter speed, whole meter reading window turning red for shutter speed outside coupling range of meter, stopped-down metering/battery check index mark, and under and overexposure warning marks.

Dioptric Adjustment Lenses: Standard -1.2 diopter. Interchangeable with +3, +2, +1, 0, -2, -3 and -4 for eyesight correction.

Mirror: Shockless instant return system. Mirror can be fixed in upward position.

Lens Mount: Canon breech-lock for quick change of lenses.

Shutter: Focal plane shutter with speeds from 1 to 1/2000 sec, and B. X synchronization at "60".

Self-Timer: Built-in. Activated with shutter button. Approx. 10 sec. time lag. Self-timer lever is used in common as stopped-down metering lever.

Film Speed Range: ASA 25-2000.

Exposure Meter: Built-in, using CdS photocell. Coupled to ASA setting, shutter speed and f/stop. Central Area Metering System measures center 12% of picture area. Stopped-down metering possible. Powered by one 1.3V mercury battery (Mallory PX 625, Eveready EPX 625 or UCAR EPX 625G). Battery power level can be checked.

Exposure Meter Coupling Range: With ASA 100 film: EV2.5 (f/1.2 at 1/4 sec.) to EV18 (f/11 at 1/2000 sec.)

Ultra-low Illumination Metering: Metering possible for ASA 100 film between EV10 (f/22 at 1/2 sec.) and EV -3.5 (f/1.2 at 15 sec.) with use of Booster T Finder.

Flash Synchronization: FP and X synchronization, automatic time lag adjustment type.

Synchronizing Range: FP class: 1/2000-1/125 sec., and 1/30. or under; Speedlite; 1/60 sec. or under; M, ME class; 1/30 sec. or under.

Flash Attachment: Speedlite 133D is attached to camera with use of Flash Coupler L and enables CAT system. Conventional hot shoe electronic or standard flash is attached to camera with use of Flash Coupler D. Sync terminal is at side of body.

Canon Auto Tuning (CAT) System: Aperture control by recharging power level signal and distance signal. Proper aperture obtained by match-needle system of meter in conjunction with Speedlite 133D, Flash Coupler L, Flash Auto Ring A₂ or B₂ and prescribed FD 50mm f/1.4 S.S.C., FD 50mm f/1.8 S.C., FD 35mm f/2 S.S.C. and FD 35mm f/3.5 S.C.

Film Loading: Easy film loading by multi-slot take-up spool.

Film Advance Lever: Single operation 180° or ratchet winding. 15° stand-off.

Film Rewinding: Performed by rewind button and crank.

Frame Counter: S-1-38 additive type. Automatically resets when the back cover is opened.

Size: 147x98x43mm (5-3/4" x 3-7/8" x 1-11/16") camera body only (without lens attachment).

Weight: 820g. (1 lb. 13 ozs.)—body only without lens. 1,125g (2 lb. 8 ozs.) with FD 50mm f/1.4 S.S.C. lens.

Subject to change without notice. 17

CANON F-1 SYSTEM

1. Lenses

1. Fisheye 7.5mm f/5.6 S.S.C.
2. Fisheye FD 15mm f/2.8 S.S.C.
3. FD 17mm f/4 S.S.C.
4. FD 20mm f/2.8 S.S.C.
5. FD 24mm f/2.8 S.S.C.
6. FD 24mm f/1.4 S.S.C. ASPHERICAL
- * 7. FD 28mm f/2 S.S.C.
8. FD 28mm f/2.8 S.C.
9. FD 35mm f/3.5 S.C.
10. TS 35mm f/2.8 S.S.C.
11. FD 35mm f/2 S.S.C.
12. FD 50mm f/3.5 S.S.C. Macro w/Life Size Adapter
13. FD 50mm f/1.8 S.C.
14. FD 50mm f/1.4 S.S.C.
15. FD 55mm f/1.2 S.S.C.
16. FD 55mm f/1.2 S.S.C. ASPHERICAL
17. FD 85mm f/1.8 S.S.C.
- *18. FD 85mm f/1.2 S.S.C. ASPHERICAL
- *19. FD 100mm f/4 S.C. Macro with Extension Tube FD 50
20. FD 100mm f/2.8 S.S.C.
21. FD 135mm f/3.5 S.C.
22. FD 135mm f/2.5 S.C.
23. FD 200mm f/4 S.S.C.
24. FD 200mm f/2.8 S.S.C.
25. FD 300mm f/5.6 S.C.
26. FD 35-70mm f/2.8-3.5 S.S.C.
27. FD 100-200mm f/5.6 S.C.
28. FD 85-300mm f/4.5 S.S.C.
- *29. FD 300mm f/2.8 S.S.C. FLUORITE with Extender FD 2x
30. FL 300mm f/5.6 FLUORITE
31. FL 500mm f/5.6 FLUORITE
- *32. FD 400mm f/4.5 S.S.C.
33. Focusing Unit
34. FL 400mm f/5.6
35. FL 600mm f/5.6
36. FL 800mm f/8
37. FL 1200mm f/11 S.S.C.

*Newly developed lenses

2. Viewfinders

1. Dioptric Adjustment Lenses R
2. Eyecup 3R
3. Angle Finder A2
4. Angle Finder B
5. Magnifier R
6. Waist-Level Finder
7. Speed Finder
8. Eye-level Finder
- * 9. Focusing Screen A, B, C, D, E, F, G, H, I
10. Booster T Finder
11. Cord 6V 2B
12. Servo EE Finder
13. Cord 12V 2E
14. Battery Case
15. Battery Magazine 12V
16. Battery Magazine 15V

*Focusing screens E, F, G, H, and I were newly developed.

3. Electronic Film Drive and Unmanned Photography

1. Servo EE Finder

2. Cord 12V 2E
3. Film Magazine 250
4. Film Loader 250
5. Film Chamber 250
6. Motor Drive Unit
7. Battery Case D
8. Battery Checker MD
9. Battery Connector MD
10. Battery Case
11. Battery Magazine 15V
12. Remote Switch MC
13. Extension Cord MD
- *14. Time Lapse Programmer A Unit
- *15. Time Lapse Programmer B Unit
16. Connecting Cord MF for Servo EE Finder
17. Motor Drive MF
18. Grip MF
19. Connecting Cord for Grip MF
20. Interval Timer L
21. Remote Switch 60 MF
22. Extension Cord E 1000
23. High Speed Motor Drive Camera

*Newly developed accessories

4. Flash Photography

1. Speedlite 133D
2. Flash-Auto Ring A₂
3. Flash-Auto Ring B₂
4. Flash Coupler D
5. Flash Coupler L

5. Close-Up, Macrophotography and Photomicrography

1. Handy Stand F
2. Handy Stand Attachment
3. FD 50mm f/1.4 S.S.C. Lens
4. Extension Tube M 5
5. Close-up Lens 55mm, (240, 450)
6. Extension Tube M 5, M 10, M 20
7. Slide Duplicator
8. Slide Duplicator Attachment
9. Bellows FL
10. Macrophoto Coupler FL 55
11. Lens Mount Converter B
12. Extension Tube
13. Lens Mount Converter A
14. Bellows M
15. Microphoto Hood
16. Photomicro Unit F
17. Photo Oscilloscope Unit
18. Waist-Level Finder
19. Speed Finder
20. Booster T Finder
21. Focusing Screen D
22. F-1 Body
23. Film Chamber 250
24. Motor Drive Unit
25. Motor Drive MF
26. Angle Finder A2
27. Angle Finder B
28. Magnifier R
29. Copy Stand 4
30. Macro Hood

6. Oscillography

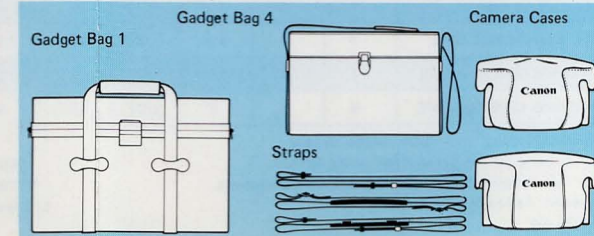
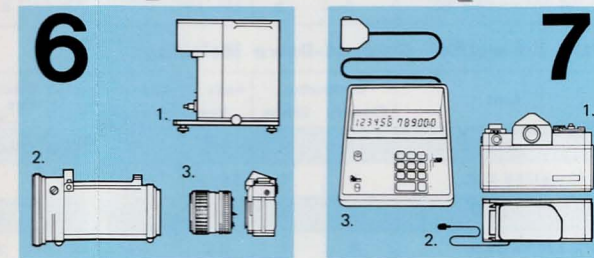
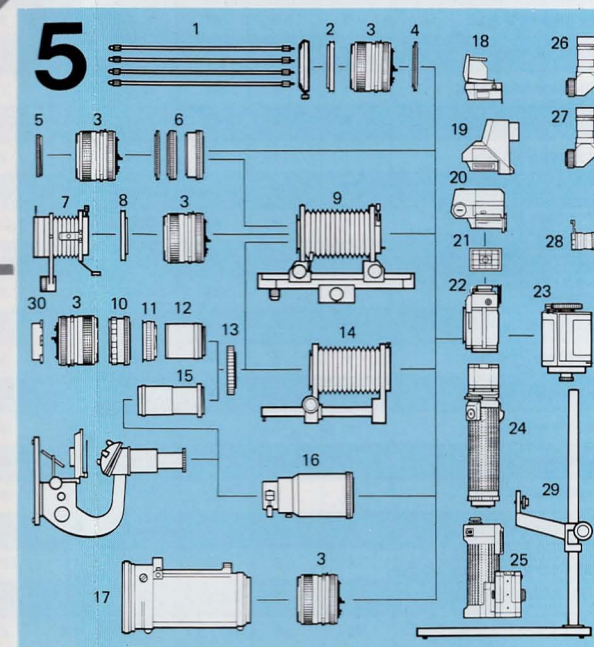
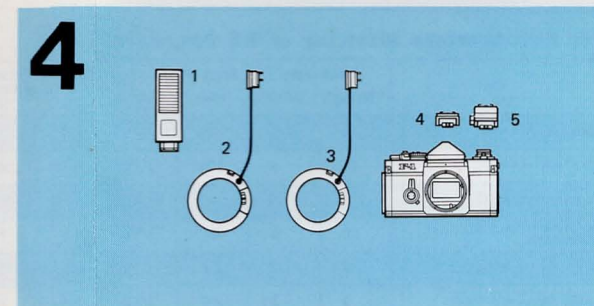
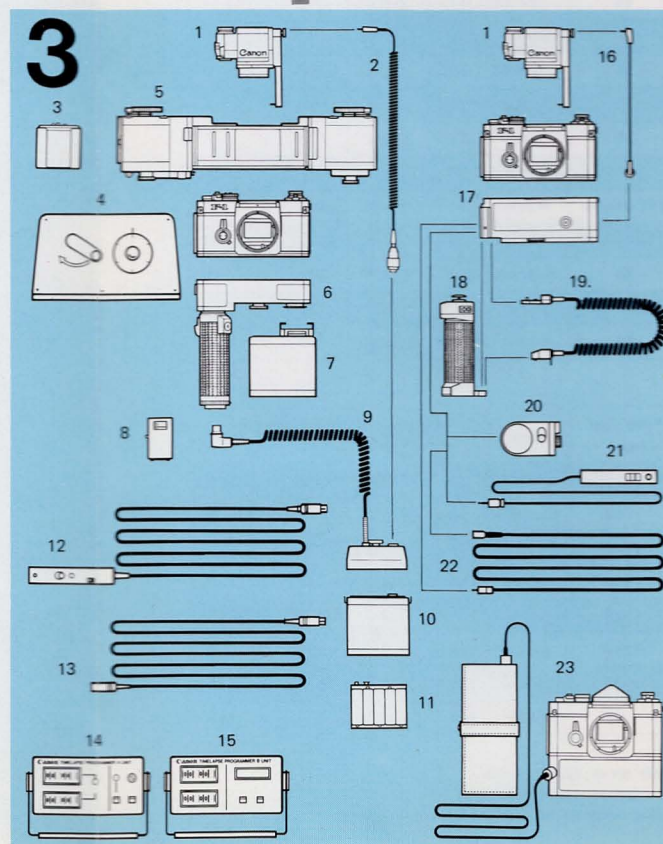
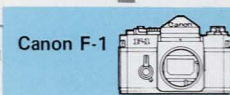
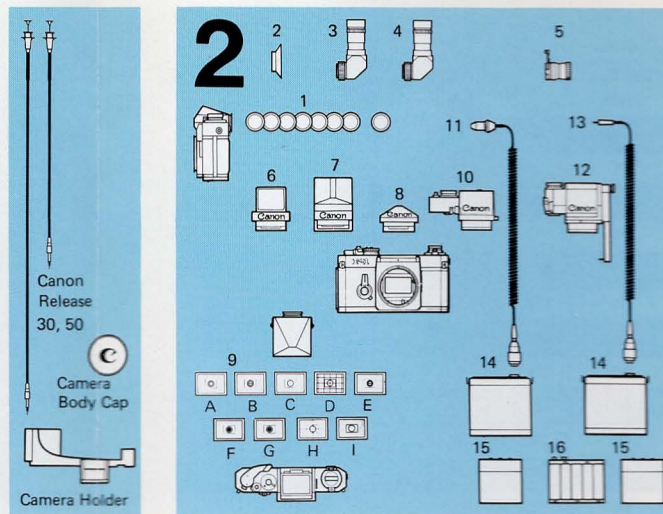
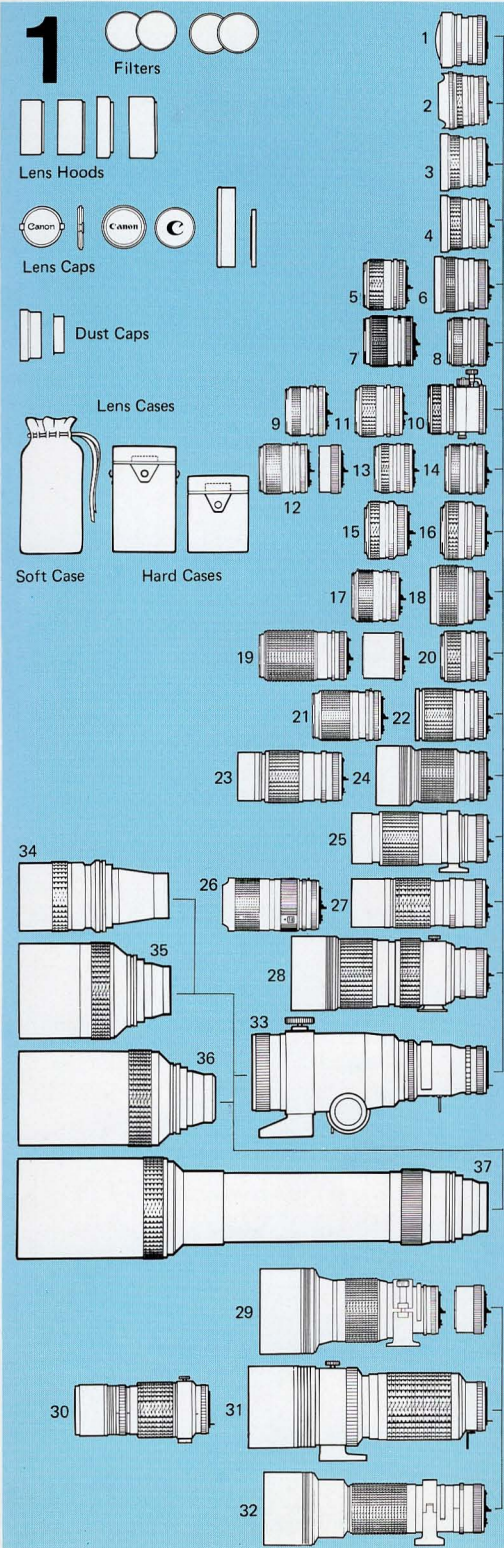
1. Continuous Recorder Model 3
2. Photo Oscilloscope Unit
3. FD 50mm f/1.4 S.S.C. Lens

*7. Data System

1. F-1 Body
2. Data Back
3. Data Controller

*Data System was newly developed.

Canon F-1 SYSTEM



CANON INTERCHANGEABLE LENSES

FD Series(For Full-Aperture Metering or AE Operation)

Type	Lens	Construction Elements	Groups	Angle of View	Minimum Aperture	Closest Focusing Distance (m) (ft.)		Filter Size (mm)	Hood	Length (mm) (ins.)		Weight (g) (lbs.) (ozs.)		
Full-Frame Fish-Eye	Fish-Eye FD 15mm f/2.8 S.S.C.	10	9	180°	f/16	0.3	1	Four Built-in	Built-in	60.5	2-3/8	485	1	1-1/8
Super Wide-Angle	FD 17mm f/4 S.S.C.	11	9	104°	f/22	0.25	10(ins)	72	None	56	2-3/16	450	1	0
	FD 20mm f/2.8 S.S.C.	10	9	94°	f/22	0.25	10(ins)	72	None	58	2-1/4	345		12
	FD 24mm f/1.4 S.S.C. ASPHERICAL	10	8	84°	f/16	0.3	1	72	—	68	2-11/16	500	1	10
	FD 24mm f/2.8 S.S.C.	9	8	84°	f/16	0.3	1	55	†BW-55B	52.5	2-1/16	330		11-1/2
Wide-Angle	*** FD 28mm f/2 S.S.C.	9	8	75°	f/22	0.3	1	55	†BW-55B	61	2-3/8	343		12
	FD 28mm 1/2.8 S.C.	7	7	75°	f/22	0.3	1	55	BPW-55B	49	1-15/16	280		10
	*FD 35mm f/2 S.S.C.	9	8	64°	f/16	0.3	1	55	†BW-55A	60	2-3/8	370		13
	*FD 35mm f/3.5 S.C.	6	6	64°	f/16	0.4	1.5	55	†BW-55A	49	1-15/16	280		10
Standard	*FD 50mm f/1.4 S.S.C.	7	6	46°	f/16	0.45	1.5	55	†BS-55	49	1-15/16	305		11
	*FD 50mm f/1.8 S.C.	6	4	46°	f/16	0.6	2	55	†BS-55	44.5	1-3/4	255		9
	FD 55mm f/1.2 S.S.C.	7	5	43°	f/16	0.6	2	58	†BS-58	52.5	2-1/16	510	1	2
	FD 55mm f/1.2 S.S.C. ASPHERICAL	8	6	43°	f/16	0.6	2	58	†BS-58	55	2-3/16	575	1	4
Macro	FD 50mm f/3.5 S.S.C. Macro With Life Size Adapter	6	4	46°	f/22	20.5(cm)	8.4(ins)	55	None	59.5	2-5/16	310		11
	*** FD 100mm f/4 S.C. With Extension Tube FD 50	5	3	24°	f/32	0.4	1.31	55	None	112	4-7/16	530	1	2-11/16
Short Telephoto	*** FD 85mm f/1.2 S.S.C. ASPHERICAL	8	6	29°	f/16	1	3.5	72	None	71	2-13/16	750	1	10-7/16
	FD 85mm f/1.8 S.S.C.	6	4	29°	f/16	0.9	3	55	†BT-55	57	2-1/4	430		15
	FD 100mm f/2.8 S.S.C.	5	5	24°	f/22	1	3.5	55	†BT-55	57	2-1/4	360		12-1/2
Telephoto	FD 135mm f/2.5 S.C.	6	5	18°	f/22	1.5	5	58	Built-in	91	3-9/16	630	1	6
	FD 135mm f/3.5 S.C.	4	3	18°	f/22	1.5	5	55	†BT-55	83	3-1/4	465	1	0
	FD 200mm f/2.8 S.S.C.	5	5	12°	f/22	1.8	6	72	Built-in	140.5	5-1/2	700	1	8
	FD 200mm f/4 S.S.C.	6	5	12°	f/22	2.5	8	55	Built-in	133	5-1/4	675	1	7
	FD 300mm f/5.6 S.C.	6	5	8°	f/22	4	13	58	Built-in	173	6-13/16	1,125	2	7-1/2
	*** FD 300mm f/2.8 S.S.C. FLUORITE With Extender FD 2x	6	5	8°	f/22	3.5	12	††Exclusive	Built-in	230	9-1/16	1,900	4	3
Zoom	*** FD 400mm f/4.5 S.S.C.	6	5	6.1°	f/22	4	13	††Exclusive	Built-in	282	11-1/8	1,300	2	13-13/16
	FD 35-70mm f/2.8-3.5 S.S.C.	10	10	64°—35°	f/22	†††1	3.5	58	Exclusive	120	4-3/4	575	1	4
	FD 85-300mm f/4.5 S.S.C.	15	11	29°—8°	f/22	2.5	8	Series IX	Built-in	243.5	9-9/16	1,695	3	7-1/2
	FD 100-200mm f/5.6 S.C.	8	5	24°—12°	f/22	2.5	8	55	Built-in	173	6-13/16	765	1	11

FL and Manual Series(For Stopped-Down Metering)

Type	Lens	Construction Elements	Groups	Angle of View	Minimum Aperture	Closest Focusing Distance (m) (ft.)		Filter Size (mm)	Hood	Length (mm) (ins.)		Weight (g) (lbs.) (ozs.)		
Circular Fish-Eye	Fish-Eye 7.5mm f/5.6 S.S.C.	11	8	180°	f/22	Fixed Focus		Six Built-in	None	62	2-7/16	380		13-1/2
Tilt and Shift	TS 35mm f/2.8 S.S.C.	9	8	64°/79°	f/22	0.3	1	58	Exclusive	74.5	2-15/16	545	1	3
Super Telephoto	**FL 400mm f/5.6	7	5	6.1°	f/32	4.5	15	††48	Exclusive	338	1'1-15/16	3,890	8	9
	**FL 600mm f/5.6	6	5	4.1°	f/32	10	35	††48	Built-in	448	1'5-5/8	5,000	11	0
	**FL 800mm f/8	7	5	3.1°	f/32	18	60	††48	Built-in	508	1'8	5,360	11	13
	**FL 1200mm f/11 S.S.C.	7	5	2.1°	f/64	40	130	††48	Built-in	853	2'9-9/16	6,200	13	11
Artificial Fluorite Telephoto	FL 300mm f/5.6 FLUORITE	7	6	8°	f/22	4	13	58	Built-in	168	6-11/16	850	1	14
	FL 500mm f/5.6 FLUORITE	6	5	5°	f/22	10	33	95	Built-in	300	11-13/16	2,700	5	15

S.S.C.= Super Spectra Coating

S.C.= Spectra Coating

* Equipped with a coupling pin for Canon Auto Tuning System.

† FD lens hoods are of bayonet mount.

†† Filter is of insertion type with holder.

††† Macro focusing capability to 30cm(1ft.) from film plane.

** Front component interchangeable type. Focusing adapter (2 elements,
1 group, FL automatic diaphragm, with A-M ring)

*** Newly developed lenses.

Subject to change without notice.



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