

Canon

EOS 650

DESIGNED FOR THE FUTURE

FAST-ACTION AUTOFOCUS AND GENUINE CREATIVE POWER KEEP YOU IN CONTROL AT ALL TIMES.

Canon

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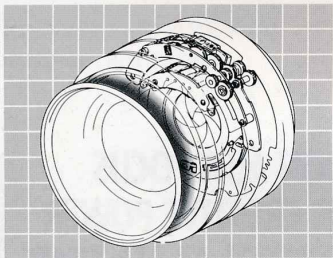
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FAST AND PRECISE AUTOFOCUS LEAVES YOU FREE TO HANDLE ANY PHOTO SITUATION WITH CONFIDENCE



With Canon's new EOS 650, you're one step ahead of the game from the very beginning. Because the EOS 650 features a *super-fast autofocus system*... a system so fast that you capture those once-in-a-lifetime images, and so accurate that you make the most of every opportunity.

The lens has two precision motors that control lens action. You *know* you're in focus, so you can spend all your time concentrating on what you want to accomplish.

THE EOS CONCEPT: EASY ACCESS TO CREATIVE POWER

This new lens-integral autofocus system is the most obvious result of Canon's own EOS (Electro-Optical System) concept, a thoughtful, two-tiered approach to camera development. First of all, this concept involves finding the best way to integrate creative power into the camera. And second, it involves making it easy for you to put that power to work. So, like its namesake, the Greek Goddess of Dawn, the EOS concept marks a new beginning, in this case in making technological advances and genuine creative power easily accessible to you.

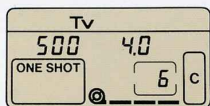
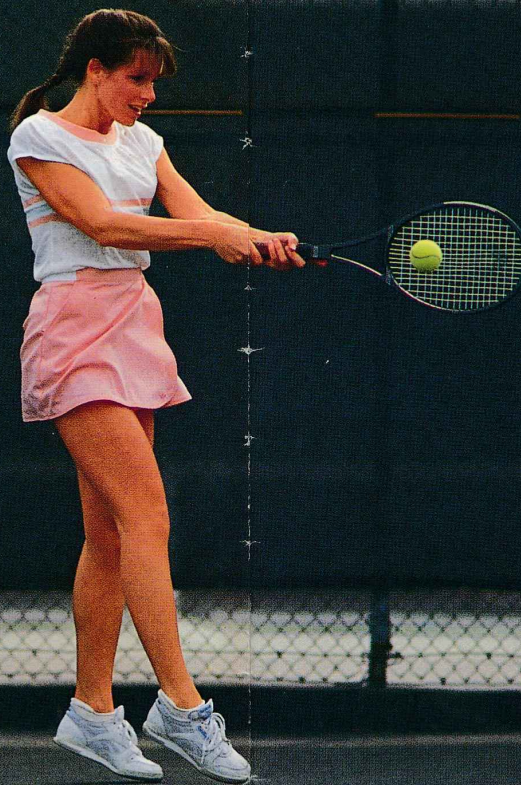
OTHER CREATIVITY-ORIENTED FEATURES YOU CAN PUT TO WORK RIGHT AWAY

The EOS 650's extraordinary autofocus system is just one of the many features designed to make 35 mm SLR photography a truly exciting experience. Others include precise Depth of Field AE, highly accurate Factor-Six Light Analysis, a high-speed 1/2000th second shutter, and built-in motor drive. Each and every one embodies Canon's EOS concept.

OFOCUS LEAVES ANY PHOTO SITUATION



EOS AUTOFOCUS AS A CREATOR OF OPPORTUNITY



Canon's lens-integral EOS autofocus system is so fast, it actually "creates" photo opportunities for you. For example, the photo above just wouldn't be possible with a slower system. And with its high sensitivity, you can depend on precise results even in dark conditions.

EOS autofocus is exceptionally quiet, too. With Canon's new-technology design, each autofocus lens employs a special motor that adjusts focus quickly and quietly. Signal transfer between the lens and the camera body is fully electronic for high accuracy and unlimited future

development potential. Which means you get top performance *no matter which of the many EOS lenses you use*—available lenses range from 15 mm and 300 mm.

There are two autofocus modes to choose from: ONE SHOT (which locks focus once focus has been achieved), and SERVO (which adjust focus continuously as you follow your subject—even in the continuous frame advance mode). For extra convenience,



turn the main switch to the full auto (green □) position, and all you have to operate is the shutter button.

DEPTH OF FIELD AE SETS YOUR PRIORITIES

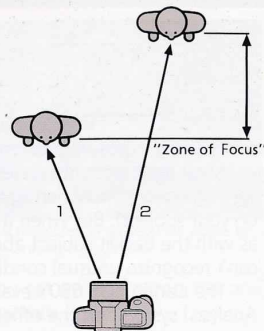


The ability to determine focus—to decide what part or parts of an image will be sharp—is one of photography's most important creative aspects. And the EOS 650's depth of field AE lets you do just that: you simply decide what you want in focus (what will fall within the depth of field), and the camera will automatically set the required exposure.

Take two subject points—two people located at different distances from your position. With the EOS 650 in the depth of field AE mode, you aim the lens at the subject nearest you, press the shutter button halfway, and the autofocus system sets the distance. You then use the autofocus function to determine the distance to the second subject; all information is relayed to the camera's computer. The computer then selects a shutter speed and aperture value that will put both subjects in focus (provide the depth of field you desire).

As the photo above demonstrates, you can use this function to ensure overall sharpness from foreground to background.

And the large photo at left illustrates another use of depth of field AE—photographing a fast-moving subject. You can establish your focus zone, then shoot when the subject enters that zone.



EVALUATIVE METERING MIRRORS THE MOMENT



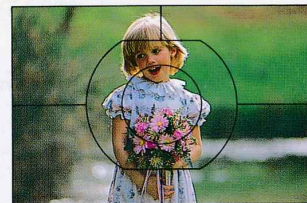
As the day progresses, light can detail a subject in sharp relief, emphasize or change the way it looks, and create a sense of drama. However, changing light also means coping with some

pretty tricky exposure problems.

Most light metering systems work fine under so-called normal lighting conditions (when light, usually the sun, is falling directly on your subject). But when it comes to more unusual situations, as with the backlit subject above, most systems can't cope—they can't recognize unusual conditions because they can't think.

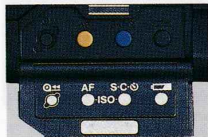
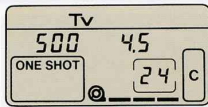
The Canon EOS 650's evaluative metering (or Factor-Six Light Analysis) system, on the other hand, *can think*—by way of

two-way communication between the EOS 650's computer and various other camera/lens components. This system first takes readings on six different areas; these readings then go into a computer that decides the best exposure in accordance with research based on thousands of actual photographic samples. Consequently, the image you get on film mirrors the one you saw the moment you took the picture.



Light is measured in six separate zones to ensure optimum results

FAST SHUTTER SPEED AND DRIVE THRIVE ON ACTION



With a top shutter speed of 1/2000th of a second, you can literally stop action cold for ultra-sharp film images. Combine this fast shutter speed with a built-in motor drive capable of delivering up to three frames per second, and you can shoot action sequences that show tremendous detail. And because the motor drive is built right into the camera body, you get great handling and maneuverability

along with action-stopping shooting power. In addition to the continuous mode, the motor drive offers a single frame mode for the convenience of automatic film advance.

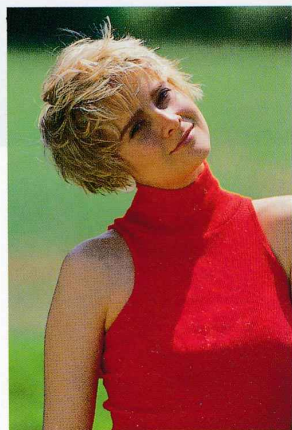


CREATIVE ALTERNATIVES TO EXPLORE AT WILL



SHUTTER-PRIORITY AE

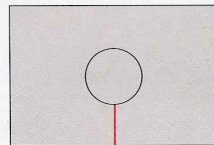
With the EOS 650's shutter-priority AE mode you can set the shutter speed in half-steps anywhere from 1/2000 to 30 seconds. The camera automatically chooses the best lens aperture for good exposure. Shutter speed control lets you record images that originate in your imagination. With the photo shown above, for example, the photographer chose a slower shutter speed to blur the background and achieve a "flowing" effect.



APERTURE-PRIORITY AE

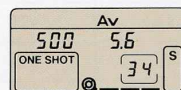


In the aperture-priority AE mode, you select the lens opening and the EOS 650's computer automatically sets the best shutter speed for correct exposure. Control over lens aperture gives you control over depth of field or the "zone of focus". In taking this portrait, the photographer utilized a larger aperture for a shallow depth of field, which emphasizes the subject and renders the background out of focus.



Partial metering mark

With conventional metering



PARTIAL METERING

Partial metering reads only about 6.5% of the viewfinder. You can use this metering mode to emphasize one part of the image for absolute color or black and white control. In taking the large photo shown above, the photographer used partial metering to measure the light falling on the child's face and thereby ensure correct exposure. With conventional metering, the subject ends up in shadow.

INTELLIGENT PROGRAM AE

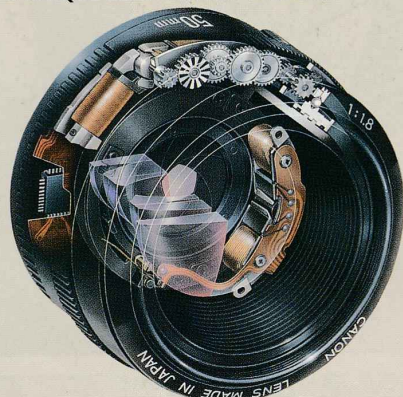
This innovative function automatically shifts the exposure program when you change lenses or increase/decrease lens focal length when using a zoom lens. As a result, the EOS 650 *always* draws on the most appropriate information for correct exposure.

MANUAL OVERRIDE

Choose full manual exposure operation and you control the two chief elements in photography—shutter speed and aperture. The EOS 650 will indicate whether the exposure value you've chosen will provide adequate results...the rest is up to you. Vary shutter speed or aperture—or both—to create a special effect that gives an image a highly personal rendition.

EOS LENSES BLEND TRADITION WITH THE FUTURE

CANON'S UNIQUE LENS-INTEGRAL DESIGN



A FASTER AND MORE EFFICIENT SYSTEM

In designing this lens system, Canon placed primary importance on ensuring optimum focusing speed and efficiency, because anything less falls short of the photographer's needs. So while other 35mm SLR autofocus camera makers took the easy way out and mounted their focusing motors in the camera body, Canon discarded this idea from the very beginning—simply because it's just not the best way to go. First of all, if the focusing motor is located in the camera body, one motor with one set of specifications must handle the widely differing power requirements of different lenses. Canon's system, on the other hand, matches a high-precision motor to the unique power requirements of each individual lens. Body-integral designs also require an inherently inefficient, mechanical body-lens coupling, whereas the Canon EOS system is *all-electronic* for greater data transmission efficiency—you can *depend* on it to give you better results.

THE CANON EOS LENS LINEUP

Lens	Focus Drive		Angle of View	Construction	Minimum Aperture	Closest Focusing Distance		Filter Size (mm)	Length		Weight	
	AFD	USM				(m)	(ft.)		(mm)	(in.)	(gr.)	(oz.)
Fish-eye EF 15mm f/2.8	●		180°	7-8	22	0.2	0.7	Filter Holder	62.2	2-7/16	360	12-11/16
EF 28mm f/2.8	●		75°	5-5	22	0.3	1	52	42.5	1-5/8	185	6-1/2
EF 50mm f/1.0 L* (Ultrasonic)		●	46°	9-11	16	0.6	2	72	80.0	3-1/8	960	33-7/8
EF 50mm f/1.8	●		46°	5-6	22	0.45	1.5	52	42.5	1-5/8	190	6-11/16
Softfocus EF 135mm f/2.8*	●		18°	6-7	32	1.3	4.5	52	98.7	3-7/8	410	14-7/16
EF 300mm f/2.8 L* (Ultrasonic)		●	8°15'	7-9	32	3	10	48	243.0	9-9/16	2,850	100-9/16
EF 28-70mm f/3.5-4.5*	●		75°-34°	9-10	22-29	0.5	1.75	52	74.8	2-15/16	300	10-9/16
EF 28-80mm f/2.8-4.0 L* (Ultrasonic)		●	75°-30°	12-16	22-32	0.75	2.5	72	122.0	4-13/16	940	33-3/16
EF 35-70mm f/3.5-4.5	●		63°-34°	8-9	22-29	0.5	1.75	52	63.0	2-1/2	245	8-5/8
EF 35-105mm f/3.5-4.5	●		63°-23°30'	11-14	22-29	1.2	4	58	81.9	3-1/4	400	14-1/8
EF 70-210mm f/4.0	●		34°-11°45'	8-11	32	1.5	5	58	137.6	5-7/16	650	23
EF 100-300mm f/5.6*	●		24°-8°15'	9-15	32	2	7	58	166.8	6-9/16	720	25-3/8
EF 100-300mm f/5.6 L*	●		24°-8°15'	10-15	32	2	7	58	166.6	6-9/16	720	25-3/8
Extender EF 2X*	—	—	—	5-7	—	—	—	—	50.5	2	290	10-1/4

- Extender EF 2X is for exclusive use with EF 300mm f/2.8 L.
- All EF zoom lenses have a built-in macro mechanism.
- Asterisk (*) indicates products that will be available soon.

NEW EF LENS MOUNT

Canon's totally new, precision-machined EF (Electro-Focus) mount system features no mechanical connections whatsoever between the camera body and the lens. Gold-plated electronic contacts transmit data between the central computer in the camera and the on-board computer (which controls autofocus and aperture control functions electronically) in the lens. This new EF mount is designed to accommodate both today's state-of-the-art EOS lenses as well as anticipated advances in optical and electronic technology that may be incorporated into the EOS system in the future. In fact, this mount has already yielded incredible results by making possible Canon's ultra-fast, professional EF 50 mm f/1.0L lens—a true innovation that delivers incredible image quality.

ADVANCED LENS-INTEGRAL MOTORS

Three innovative lens-integral motors combine with the EF lens mount to make the EOS autofocus system a reality. The AFD (Arc Form Drive) and USM (Ultrasonic Motor) are used for autofocus, and the EMD (Electro-Magnetic Diaphragm) is utilized for aperture control. All three are specially designed for precise lens control within the typical cylindrical shape associated with SLR lenses.

CANON QUALITY FIRST AND FOREMOST

The Canon EOS lens lineup is composed of 13 high-performance lenses, plus an extender designed exclusively for use with the EF300mm f/2.8L lens. Four of these lenses are large aperture "L" types with glass-molded aspherical elements, ultra-low dispersion (UD) glass and artificial fluorite, all of which contribute to superb color balance, high contrast and resolution, and flare-free images.

FULLY ELECTRONIC MOUNT AND DATA TRANSFER

Lens Side



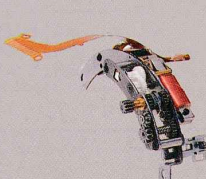
Body Side



PRECISE LENS AND APERTURE CONTROL



USM
(Ultrasonic Motor)



AFD (Arc Form Drive)



EMD
(Electro-Magnetic
Diaphragm)



Fish-eye EF 15mm f/2.8 EF 28mm f/2.8 EF 50mm f/1.8



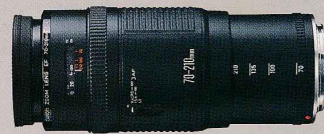
EF 50mm f/1.0 L (Ultrasonic)

Softfocus EF 135mm f/2.8



EF 28-80mm f/2.8-4.0 L (Ultrasonic)

EF 35-70mm f/3.5-5.6 EF 28-70mm f/3.5-5.6



EF 70-210mm f/4.0



EF 100-300mm f/5.6



EF 35-105mm f/3.5-5.6



EF 100-300mm f/5.6 L



EF 300mm f/2.8 L (Ultrasonic)



Extender EF 2X

WHERE YOU WANT TO GO AND HOW TO GET THERE

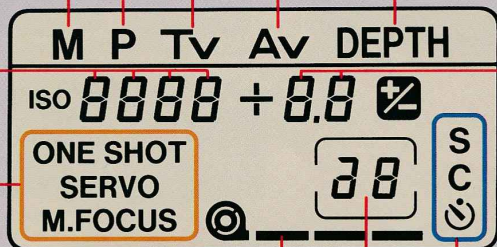


ELECTRONIC INPUT DIAL

Used to set the following functions: shooting mode, film winding mode, shutter speed, aperture value, exposure compensation, and manual-set ISO film speed.

ISO FILM SPEED/SHUTTER SPEED

The DX-coded film speed is automatically set and displayed here during film load. During shooting, the shutter speed is displayed here.



FILM TRANSPORT INDICATOR/BATTERY CHECK INDICATOR

Moves in sequence during film advance and rewind. Bars also indicate current power supply.

AF MODE

ONE SHOT: focus locks once focus has been achieved.
SERVO: focus adjusts continuously as you follow the subject; the shutter releases regardless of AF completion.
M. FOCUS: you manually adjust focus.

SHOOTING MODES

You can choose between four AE modes and manual override. P: Program AE. TV: Shutter-priority AE. AV: Aperture-priority AE. DEPTH: Depth of field AE. M: Manual.

APERTURE VALUE

The aperture value is displayed here.

EXPOSURE COMPENSATION

The level of exposure compensation (up to ± 5 steps) is displayed here.

FILM WINDING MODE

S: Single frame advance (the film is advanced only one frame).
C: Continuous frame advance (the film is advanced continuously at a maximum speed of three frames per second).
⊙: Self-timer.

FRAME COUNTER

The numeral displayed indicates the number of the next frame on the roll.

SHUTTER SPEED

Shutter speed is indicated here during camera operation.

APERTURE VALUE

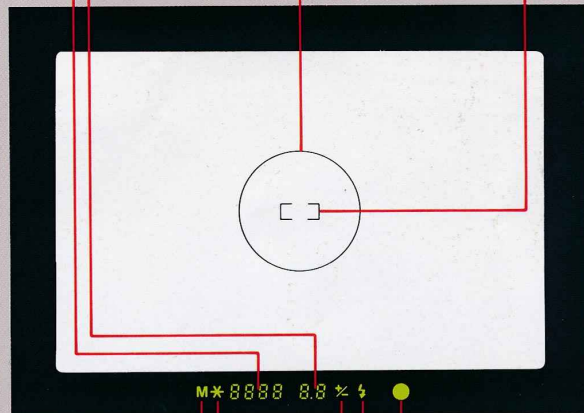
The aperture value is indicated here during camera operation.

PARTIAL METERING MARK

Center this mark on your subject when using the partial metering mode.

AUTOFOCUS FRAME

Center this frame on your subject while pressing the shutter button halfway to focus.



EXPOSURE COMPENSATION

This symbol indicates that the camera is in exposure compensation status.

PARTIAL METERING INDICATOR

Illuminates when the partial metering button is pressed.

MANUAL EXPOSURE INDICATOR

Illuminates when the camera is in the manual exposure mode.

AF IN-FOCUS INDICATOR

When this dot illuminates continuously, it indicates that correct focus has been achieved. When it blinks on and off, it indicates that correct focus can not be achieved.

FLASH CHARGE COMPLETION

When illuminated, this symbol indicates that the charging of the flash has been completed.

WHEN FEWER CONTROLS

SHUTTER BUTTON

When the shutter button is pressed halfway, metering and AF ranging are carried out.

ELECTRONIC INPUT DIAL

Used together with other controls to set various functions. A hybrid control that combines the advantages of a mechanical dial with electronic pushbuttons, this Canon innovation helps keep the overall number of controls to a minimum.

MANUAL FOCUSING RING

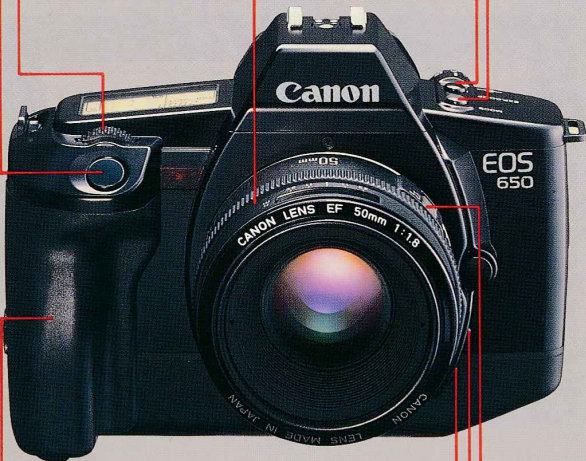
This ring rotates for manual focusing.

EXPOSURE COMPENSATION BUTTON

To set an exposure compensation value, depress this button and rotate the electronic input dial.

SHOOTING MODE SELECTOR

The shooting mode can be set by pressing this button and turning the electronic input dial.



MANUAL APERTURE SET BUTTON

When the camera is in the manual mode, this button is pressed before the electronic input dial is turned to set the aperture value.

FOCUS MODE SWITCH

Used to set the focus mode to either automatic or manual.

DEPTH OF FIELD CHECK BUTTON

When this button is pressed, the aperture will close to the manual set or calculated value.

COMFORTABLE GRIP

The EOS 650's interchangeable rubber grip forms to the hand for optimum comfort.

MEAN GREATOR CONTROL

MAIN SWITCH

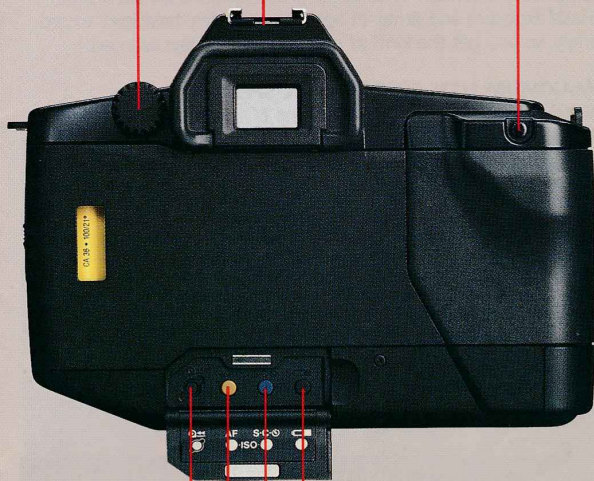
There are four settings.
L: Lock (power is off).
A: Advance (power is on).
(**L•A**): same as "A" with the addition of a beeper whenever correct focus is achieved (short beeper) or when the camera-shake warning (long beeper) is activated.
Green \square : "Full Auto" position (one-shot AF, program AE, and single frame advance mode are automatically set).

ACCESSORY SHOE

Used to attach special Canon EOS flash units.

PARTIAL METERING BUTTON (AE LOCK)

Partial metering is activated when this button is pressed; automatic exposure locks simultaneously.



AF MODE SELECTOR

Press this button and turn the electronic input dial to select the autofocus mode (either one-shot or servo).

BATTERY CHECK BUTTON

Remaining battery power can be checked by pressing this button.

FILM REWIND BUTTON (MID-ROLL REWIND)

Press this button to start rewinding the film from any point on the roll.

FILM WINDING MODE SELECTOR

This button is used together with the electronic input dial to select one of the film winding modes. S: Single. C: Continuous. \odot : Self-timer.

EOS FLASH UNITS MAKE POWERFUL COMPANIONS



A-TTL AUTOMATIC FLASH

Canon's A-TTL (Advanced TTL) automatic flash system balances subject and background exposure to ensure good results—whether you're shooting in daylight or at night. Camera and flash unit work in concert to calculate the conditions for each shot. Flash exposure and ambient light are delicately balanced accordingly, so you get the kind of results you've always wanted.

MAXIMUM 1/125 SECOND SYNC SPEED

With an EOS flash unit attached, the EOS 650's shutter speed can be set manually or automatically anywhere from 1/125 to 30 seconds—meaning you have greater control over your subject and lighting when it comes to flash photography. With the maximum 1/125th of a second sync speed, you get more natural color and lighting effects than you ever thought possible.

SECOND-CURTAIN SYNCHRONIZATION

Both the 420EZ and 300EZ make it possible to synchronize the flash discharge either for the first shutter curtain opening, or just before the second curtain begins running. This second-curtain flash synchronization, which makes it exceptionally easy to obtain truly creative flash effects, is best used when a slower shutter speed is set on the camera.



BOUNCE FLASH CAPABILITY

The 420EZ has a swivel flash head, which means you can "bounce" the flash (adjust it so that it is not pointed directly at your subject) for a softer lighting effect.

RAPID-FIRE FLASH

When in the lower power setting, the 420EZ and 300EZ recharge extra-fast, so you can make more effective use of the EOS 650's built-in motor drive when taking flash photos.

STROBOSCOPIC FLASH

The 420EZ has a function that lets you set the flash rate from one to five times per second. As a result, you can take flash photos that "break down" subject action into a number of separate parts.



Fill-in flash



Without fill-in flash



Slow-sync flash



Conventional flash



Second-curtain flash

SPECIAL ACCESSORIES



QUARTZ DATE BACK E

This handy accessory, which provides for simple data recording, interchanges easily with the standard EOS 650 back. There are five modes to choose from.

- Auto date (month/day/year, day/month/year or year/month/day)
- Day/hour/minute
- Arbitrary six-digit number
- Frame counter number
- Off

The calendar is programmed from 1987 up through 2029, and clock precision is within ± 30 seconds a month. The back also offers a film loading date check function; you can confirm the date the film was loaded by simply pressing a button.



TECHNICAL BACK E

As its name implies, the Technical Back E can be used to work with all kinds of technical data. For example, in addition to imprinting data and arbitrary comments (up to 30 digits) on the film, it can also memorize shooting data such as shutter speed, aperture value, lens focal length and film speed. With the accessory Interface Unit TB, you can connect the Technical Back E to a personal computer. This makes it possible to issue function commands to your EOS 650 from the personal computer. Another accessory, Keyboard Unit E, makes it possible to imprint comments on the film in English, French, German and Spanish.

Note: Interface Unit TB is sold in both MSX and IBM-compatible types; product availability may vary from area to area.

INTERCHANGEABLE GRIPS

In addition to the palm grip that comes standard with the EOS 650, Canon makes two additional grips optionally available to meet various hand-size and application requirements.



Grip GR10 (Grip L)

INTERCHANGEABLE FOCUSING SCREENS



Microprism



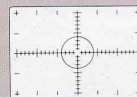
New split



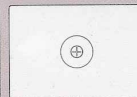
Overall new laser-matte with AF frame



Laser-matte with section



Laser-matte with scale



Laser-matte with double cross-hair reticle



Cross split-image

The overall New Laser-Matte/AF Frame screen is included as standard equipment with your EOS 650. Depending on specific focusing needs, you can interchange the focusing screen with any of six different focusing screens optionally available.

CIRCULAR POLARIZING FILTERS (PL-C)



Autofocus photography is possible with Canon's special screw-in circular polarizing filters. There are three thread diameters available: 52mm, 58mm and 72mm.

DIOPTRIC ADJUSTMENT LENSES

Ten eyesight correction lenses are optionally available in powers of +3, +2, +1.5, +1, +0.5, 0, -0.5, -2, -3 and -4 diopters. They make viewing and focusing easier if you are near/farsighted.

CAMERA SPECIFICATIONS

Type:

35 mm autofocus, single-lens reflex camera with electronically controlled automatic exposure, focal plane shutter, and built-in motor drive.

Format:

24 × 36 mm

Usable Lenses:

Canon EF lenses (full aperture metering only)

Standard Lens:

EF 50 mm f/1.8

Lens Mount:

Canon EF Mount (electronic signal transfer system)

Viewfinder:

Fixed eye-level pentaprism. Gives 94% vertical and horizontal coverage of actual picture area, and 0.8X magnification at infinity with a standard 50 mm lens.

Dioptric Adjustment:

Built-in eyepiece is adjusted to standard -1 diopter (eyepoint: 19.3 mm).

Focusing Screen:

New laser-matte with AF frame. Six interchangeable screen types are available optionally.

Mirror:

Quick-return half-mirror with shock and noise absorber.

Viewfinder Information:

Displayed at the bottom of the viewing area

(1) Seven-segment LCD digit and character display

- Shutter speed—flashes at 2 Hz to give out-of-metering range warning
- Aperture value—flashes at 2 Hz to give out-of-metering range warning
- Metered manual exposure level (OP, oo, CL)
- Depth of field AE (dEP 1, dEP 2)

(2) LCD mask character display

- * —AE lock indicator in partial metering mode
- M—Manual exposure indicator
- 4 —flash charge completion indicator
- + / - —exposure compensation indicator
- ● —AF in-focus indicator (flashes at 8 Hz when AF is not possible)

Light Metering System:

TTL full aperture metering using SPC. Two selectable metering patterns: evaluative metering and partial metering (approximately 6.5% of the picture area). Stopped-down metering is not possible.

Exposure Modes:

- Shutter-priority AE
- Aperture-priority AE
- Intelligent program AE
- Depth of field AE
- Manual
- Flash AE (A-TTL program flash AE and TTL program flash AE with specified Canon Speedlites)

Camera-Shake Warning:

Operates for program AE, aperture-priority AE, and depth of field AE modes. When automatically set shutter speed falls 0 to 0.5 steps below 1 / focal length of the lens in use, the electronic beeper sounds. Beeper can also be turned on and off.

Metering Coupling Range:

EV 1—20 (EV -1 to 20 in normal temperatures) with 50 mm f/1.4 at ISO 100 or equivalent.

Film Speed:

ISO 25—5000 is automatically set in 1/3-step increments according to DX code standard. ISO 6—6400 can also be set manually.

Exposure Compensation:

± 5 steps in 1/2-step increments

AF Control System:

TTL-SIR (TTL secondary imaged, registration) phase-detection type using BASIS (base-stored image sensor). AF operation starts when the shutter button is pressed halfway. AF in-focus indicator lights upon ranging completion. Audible indicator (electronic beeper) can be turned on and off.

Three Selectable Modes:

- ONE SHOT: AF operation ends and focus is locked once ranging is completed. Shutter does not release until ranging is completed.

- SERVO: Focus continuously adjusts to follow subject movement. Shutter can be released at any time regardless of ranging completion.

- Manual: By rotating the manual focusing ring after focus mode switch is set to "M".

AF Working Range:

EV 1—18 at ISO 100

AF Auxiliary Light:

The ultra-bright red LED (peak sensitivity: 700 nm) is automatically projected with specified Canon Speedlites.

Shutter:

Vertical-travel focal plane shutter with soft-touch electromagnetic release. All speeds electronically controlled.

Shutter Speed:

1/2000—30 seconds and bulb. Can be set in 1/2 steps. X-sync is 1/125 second.

Self-Timer:

Electronically controlled with a delay of approximately 10 seconds; indicated by blinking LED operation confirmation lamp.

Film Loading:

After film positioning and back cover closure, the film automatically advances to the first usable frame and then stops (approximately 1.5 seconds).

Film Wind:

Automatic using a built-in miniature motor. Confirmation indicated by the film transport bar marks in the display panel.

Film Winding Mode:

Two selectable modes: S (single exposure) and C (continuous exposure at the maximum speed of approx. three frames per second).

Film Rewind:

Automatic using the built-in miniature motor. Starts when film end is reached and then stops (approximately 10 seconds with 24-exposure film). Mid-roll rewind performed by pressing the film rewind button.

Flash Contact:

Coupled directly to the camera by X-sync contact on the accessory shoe.

Automatic Flash (using Speedlite 420EZ/300EZ with the camera set at "P"):

A-TTL flash auto—The correct aperture value is automatically set, using the camera's A-TTL program and the flash's near-infrared preflash. X-sync speed is also automatically set between 1/60 and 1/125 second upon flash charge completion. TTL control system meters the light reflected from the film surface. Automatic fill-in flash is possible.

Grip:

Interchangeable. Grip GR30 (without remote control terminal) is standard. Grip GR20 (with remote control terminal) and large-size Grip GR10 are available optionally. Also serves as battery chamber cover.

Remote Control:

Remote Switch 60T3 and Grip GR20 are required.

Depth Of Field Check:

By pressing the depth-of-field check button.

LCD Display Panel:

Displays only the information required at any one time, e.g. shooting mode, film winding mode, AF mode, shutter speed, aperture value, film speed, or battery check. Timer function for eight seconds is provided; the display is held on for eight seconds after the switch (i.e., shutter button) is pressed.

Power Source:

One, six-volt lithium battery pack (2CR5). Battery is replaced by removing grip.

Battery Check:

By pressing the battery check button. Three energy levels are shown by the battery check bar marks in the display panel.

Back Cover:

Interchangeable. Opened by sliding the latch with safety lock. Quartz Date Back E and Technical Back E can be attached.

Dimensions:

148 (W) × 108.3 (H) × 67.5 (D) mm (5-13/16" × 4-1/4" × 2-5/8")

Weight:

660 g (23-5/16 oz.) body only
700 g (24-11/16 oz.) with battery pack

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