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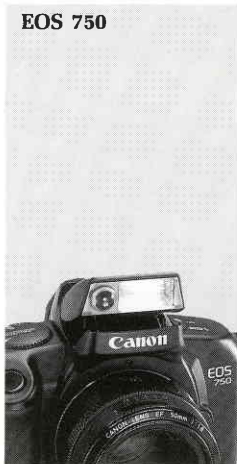
[back to my "Orphancameras" manuals /flash and light meter site](#)

Only one "donation" needed per manual, not per multiple section of a manual !

The large manuals are split only for easy download size.



EOS 750

EOS 850
with
Speedlite 160E

The built-in flash on the EOS 750 and EOS 750QD features automatic TTL flash control. The flash operates automatically in low light, or when the subject is backlit to supplement insufficient lighting (fill-in flash). For the EOS 850, the Speedlite 160E, sold separately operates under the same conditions.

- Remove the lens hood to prevent partial darkening of the picture.
- 1) Slide the flash switch to the auto position.
 - 2) Put the AF frame over the subject, and press the shutter button halfway. If flash is needed, the flash head pops up automatically.
 - 3) Press the shutter button completely to take the picture. After firing, the flash head retracts automatically.
- A subject's eyes may appear red in flash photos due to the light reflected from the retina. To minimize this, have the subject avoid looking directly at the camera.



www.orphancameras.com

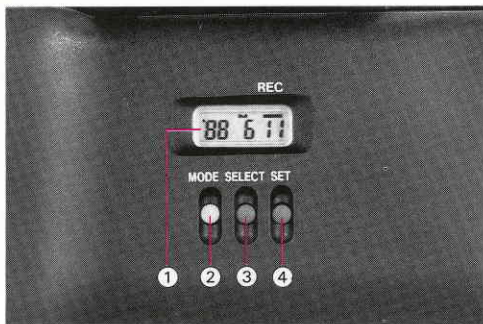
- Automatic Flash Coupling Range Chart (based on f/2.8)

Slide Film	Color Print Film
ISO 100 3.3 - 14.1ft 1.0 - 4.3m	2.3 - 19.7ft 0.7 - 6.0m
ISO 400 Up to 27.9ft/8.5m	Up to 39.4ft/12.0m

- Fill-in Flash Shooting Distance Range:
Up to 11.4ft/3.5m

• The AF auxiliary light automatically emits in extremely dark settings for autofocus. The distance range is approximately 3.3 - 13.1ft / 1.0 - 4.0m.

- Set the flash switch to "OFF" to cancel the flash when you want to take pictures of sunsets, or are in places where flash use is not allowed, (e.g. theaters, museums).
- Before using a clip-on flash with the EOS 750 or 750QD, be sure the camera's flash head is down.



- ① Display Panel/Ecran LCD/Panel de Indicación
- ② Imprint Format Selector - marked "MODE"/
Sélecteur de format d'impression - bouton
"MODE"/Selector de Formato de Impresión -
Marcado "MODE"
- ③ Position Selector/Sélecteur de position/Sele-
ctor de Posición
- ④ Set Button/Touche de réglage/Botón de Ajuste

The EOS 750QD imprints the date on pictures automatically to make it easy to recall a special date or time.

A battery is included in the date back at the time of purchase.

A built-in calendar programmed through December 31, 2019 automatically compensates for long and short months and leap years.

Imprint Formats/Format d'impression/Formatos de Impresión

'88 9 75

Year/Month/Day
Année/mois/jour
Año/Mes/Día

9 15 88

Month/Day/Year
Mois/jour/année
Mes/Día/Año

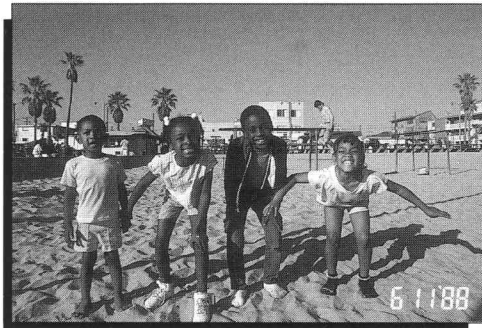
15 18:36

Day/Hour/Minute
Jour/heure/minute
Día/Hora/Minuto

15 9 88

Day/Month/Year
Jour/mois/année
Día/Mes/Año

1. Selecting the Imprint Format



Each time the imprint format selector (gray button marked "MODE") is pressed, the format changes in the following sequence:

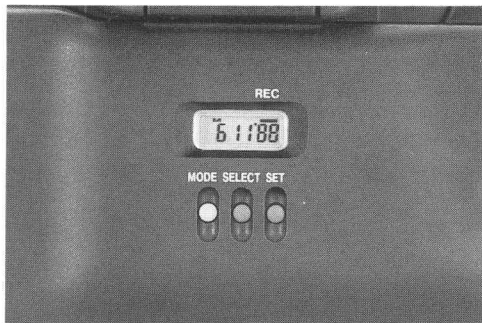
Year/Month/Day ←
|
Day/Hour/Minute
|
----- No Imprint
|
Month/Day/Year
|
Day/Month/Year

The format appearing in the display panel will be imprinted.

If **no** date imprint is desired, make sure the hyphens appear in the display panel. They will **not** appear on the print.

The date imprint confirmation mark "—" flashes after the shutter button is pressed indicating that the date has been imprinted.

2. Setting the Date and Time



When the position selector is pressed, the digits at that position start blinking. The position selector changes in the following order: year, month, and date. M appears above the month position.

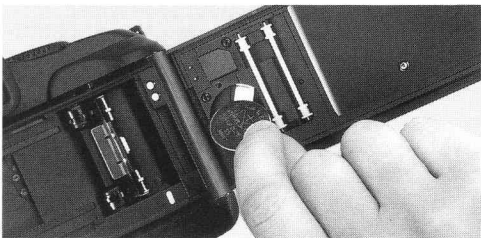
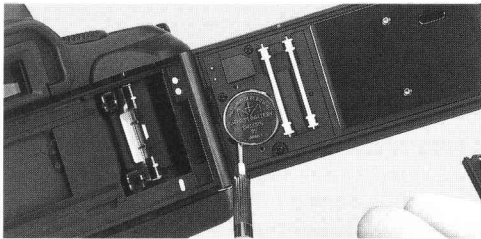
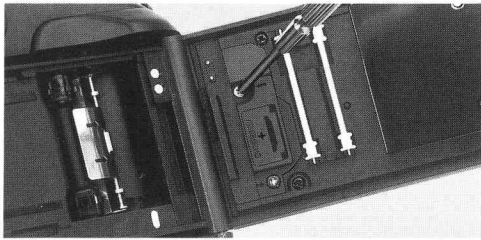
1. Press the position selector to the desired position.
 2. Press the set button to enter the desired number.
 3. Press the position selector again to complete setting.
- Each press of the set button increases the flashing numeral by one. If the button is held down, the numeral increases quickly.

3. Replacing the Date Back Battery

Replace the date back battery when the data do not appear clearly on the picture. The date back uses one CR2025 3V lithium battery, about the size of a coin.

- 1) Remove the battery chamber cover inside the back cover with a small Phillips-head screwdriver.
- 2) Remove the battery and load a new battery with the “+” side facing out.
- 3) Reattach the battery chamber cover and tighten the screw.
- 4) Reset the date and time.

Make sure there is no film in the camera when changing the date back battery.





www.orphancameras.com

Note:

All the date displays in this instruction booklet are simulated.

Note:

Tous les affichages de la date présentés dans ce mode d'emploi sont simulés.

Nota:

Todos los datos presentados en este instrucciones son simulados.

- Keep the battery away from children. If swallowed, contact a physician immediately.
- The data are imprinted in orange when using color film. If the background of the data imprinting area is bright, the data may not appear clearly on the film.
- The data may appear blurred depending on the kind of film.
- Do not imprint the time in temperatures below 14°F/10°C.

Liquid Crystal Display

Liquid crystal is used in the display panel and other parts for imprinting. There is a possibility that a lack of contrast or blur in the digital display may occur after about five years of normal use. If this should occur, contact an authorized Canon Service Facility for replacement at owner's expense.

EF Lenses

Objectifs EF (Electro-Focus)

Objetivos EF

The greatest feature of EOS autofocus cameras is that they accept a variety of interchangeable lenses ranging from fish-eye to telephoto. Canon makes an assortment of interchangeable lenses with high resolution, superb color balance, and easy handling.

Un des avantages supplémentaires des appareils EOS est d'accepter toute une gamme complète d'objectifs interchangeables, du "fish-eye" au télé-objectif. Les objectifs Canon sont réputés pour leur haute résolution, la superbe fidélité du rendu des couleurs et leur manipulation simple.

La característica más destacada de las cámaras EOS con auto-enfoque es su versatilidad, gracias a la amplia gama de objetivos EF intercambiables ofrecida por Canon — desde ojo de pez a telefoto — de alta resolución, magnífico equilibrio de color y fácil manejo.

Lens/Objectif/Objetivo	Angle of View/ Champ/ Ángulo de toma	Construction/ Construction/ Construcción	Minimum Aperture/ Ouverture minimum/ Abertura mínima	Closest Focusing Distance/ Mise au point minimum/ Mínima distancia de enfoque		Filter Size/ φ filtre/ Tamaño del filtro (mm)	Length/ Longueur/ Longitud		Weight/ Poids/ Peso	
				(m)	(ft)		(mm)	(in.)	(g)	(oz)
Fish-Eye EF 15 mm f/2.8* ¹	180°	7-8	22	0.2	0.7	Filter Holder*	62.2	2-7/16"	330	11-9/16
EF 24 mm f/2.8	84°	10-10	22	0.25	0.8	58	48.5	1-15/16"	270	9-7/16
EF 28 mm f/2.8	75°	5-5	22	0.3	1	52	42.5	1-11/16"	185	6-1/2
EF 50 mm f/1.8	46°	5-6	22	0.45	1.5	52	42.5	1-11/16"	190	6-11/16
EF 50 mm f/2.5* ² Compact-Macro	46°	8-9	32	0.228	0.748	52	63	2-1/2"	280	9-13/16
Softfocus EF 135 mm f/2.8	18°	6-7	32	1.3	4.5	52	98.4	3-7/8"	410	14-7/16
* EF 200 mm f/1.8 L (Ultrasonic/Ultrasonique/ Ultrasónico)	12°	10-12	22	2.5	8.2	48	208.0	8-1/16"	300	105
EF 300 mm f/2.8 L (Ultrasonic/Ultrasonique/ Ultrasónico)	8°15'	7-9	32	3	10	48	253	9-15/16"	2,855	100-11/16
* EF 600 mm f/4.0 L (Ultrasonic/Ultrasonique/ Ultrasónico)	4°10'	8-9	32	6	19.6	48	456	17-15/16"	6,000	210

Lens/Objectif/Objetivo	Angle of View/ Champ/ Ángulo de toma	Construction/ Construction/ Construcción	Minimum Aperture/ Ouverture minimum/ Abertura mínima	Closest Focusing Distance/ Mise au point minimum/ Mínima distancia de enfoque		Filter Size/ φ filtre/ Tamaño del filtro	Length/ Longueur/ Longitud		Weight/ Poids/ Peso	
				(m)	(ft)		(mm)	(in.)	(g)	(oz)
				EF 28-70 mm f/3.5-4.5II	75°-34°		9-10	22-29	0.5	1.75
EF 35-70 mm f/3.5-4.5	63°-34°	8-9	22-29	0.5	1.75	52	63	2-1/2"	245	8-5/8
* EF 35-70 mm f/3.5-4.5A	63°-34°	8-9	22-29	0.5	1.75	52	75.6	3"	230	8-1/8
EF 35-105 mm 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 35-135 mm f/3.5-4.5	63°-18°	12-16	22-29	1.5	5	58	94.5	3-11/16"	475	16-3/4
EF 50-200 mm f/3.5-4.5	46°-12°	13-16	32	1.5	5	58	146.4	5-3/4"	690	24-1/8
EF 50-200 mm f/3.5-4.5L	46°-12°	14-16	32	1.5	5	58	145.8	5-3/4"	695	24-5/16
EF 70-210 mm f/4.0	34°-11°20'	8-11	32	1.5	5	58	137.6	5-7/16"	605	21-3/16
* EF 100-200 mm f/4.5A	24°-12°	7-10	32	1.9	7	58	130.5	5-1/8"	540	18-7/8
EF 100-300 mm f/5.6	24°-8°15'	9-15	32	2	7	58	166.8	6-9/16"	685	23-15/16
EF 100-300 mm f/5.6L	24°-8°15'	10-15	32	2	7	58	166.6	6-9/16"	695	24-5/16
* Extender EF 1.4 × * ³	—	4-5	—	—	—	—	27.3	1-1/16"	200	7
Extender EF 2 × * ⁴	—	5-7	—	—	—	—	50.5	2"	240	8-3/8
Life-Size Converter EF* ⁵	—	3-4	—	—	—	—	34.9	1-3/8"	160	5-5/8

- Extender EF 1.4 × is for exclusive use with EF 200 mm f/1.8 L, EF 300 mm f/2.8 L and EF 600 mm f/4.0 L.
- Extender EF 2 × is for exclusive use with EF 200 mm f/1.8 L and EF 300 mm f/2.8 L.
- Life-Size Converter EF is for exclusive use with EF 50 mm f/2.5 Compact-Macro.
- Le multiplicateur EF 1,4 × est destiné exclusivement aux objectifs EF 200 mm f/1,8 L, EF 300 mm f/2,8 L et EF 600 mm f/4,0 L.
- Le doubleur EF 2 × est destiné exclusivement aux objectifs EF 200 mm f/1,8 L et EF 300 mm f/2,8 L.
- Le convertisseur 0,25-1/1 EF est destiné exclusivement à l'objectif macro-compact EF 50 mm f/2,5.

- El multiplicador EF 1,4 × es para uso exclusivo con los EF 200 mm f/1,8 L, EF 300 mm f/2,8 L et EF 600 mm f/4,0 L.
- El multiplicador EF 2 × es para uso exclusivo con los EF 200 mm f/1,8L y EF 300 mm f/2,8 L.
- El convertidor a Tamaño Real EF es para uso exclusivo con el Macro-Compacto EF 50 mm f/2,5.
- All EF zoom lenses have a built-in macro mechanism except the EF 100-200 mm f/4.5A.
- Tous les objectifs EF zoom sont dotés du mécanisme macro sauf l'EF 100-200 mm f/4,5A.
- Todos los objetivos EF zoom tienen un mecanismo macro incorporado excepto el EF 100-200 mm f/4,5A.

* Porte-filtre / Sujetador de filtro

*1 EF 15 mm f/2.8 fish-eye / Ojo de pez EF 15 mm f/2.8

*2 Macro-compact EF 50 mm f/2.5 / Macro compacto EF 50 mm f/2.5

*3 Multiplicateur EF 1,4 × / Multiplicador EF 1,4

*4 Doubleur EF 2 × / Multiplicador EF 2X

*5 Convertisseur 0,25-1/1 EF / Convertidor a Tamaño Real EF

* indicate that these lenses will be available soon.

* indiquent que ces objectifs seront disponibles sous peu.

* indica que estos objetivos será disponibles pronto.

Speedlite 160E

Conçu exclusivement pour le modèle EOS 850, ce flash est alimenté par une pile au lithium qui permet un recyclage rapide et accroît sa longévité. Il éclaire les scènes sombres et débouche les ombres sur le sujet. Sa taille compacte et sa facilité de montage permettent de l'emporter partout.

Speedlite 420EZ et Speedlite 300EZ

Les EOS Speedlite 420EZ, 300EZ permettent une exposition équilibrée de l'avant-plan à l'arrière-plan avec le zoom automatique intégré qui ajuste l'angle de couverture et un recyclage rapide. L'éclairage du 420EZ est particulièrement puissant. Les nombres-guides à une sensibilité 100 ISO sont, pour le 420EZ de 35 m/116 ft et pour le 300EZ de 28 m/93 ft.

Speedlite 160E

Diseñado exclusivamente para la EOS 850, este flash lleva una pila de litio para recarga rápida y larga duración. Por su reducido tamaño y fácil acoplamiento, es el accesorio ideal para cuando hay oscuridad o para evitar sombras en el sujeto.

Speedlite 420EZ y Speedlite 300EZ

Dos Speedlites para EOS, el 420EZ y el 300EZ, de recarga rápida, proporcionan exposición equilibrada desde el primer plano hasta el fondo con un zoom automático incorporado, que ajusta el ángulo de cobertura. Con el 420EZ es muy fácil el flash de rebote. Los números guía con ISO 100 son los siguientes: 420EZ, 35 m; 300EZ, 28 m.



Speedlite 160E

Speedlite 420EZ



Speedlite 300EZ

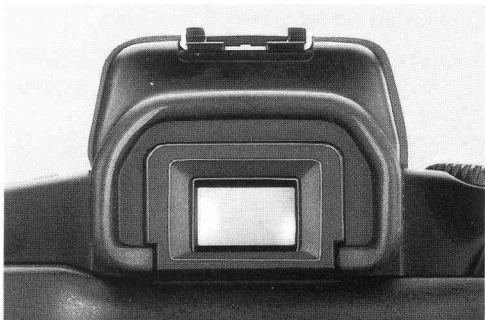


Speedlite 160E

Designed exclusively for the EOS 850, this flash utilizes a lithium battery for quick flash recharging and long life. When conditions darken or to prevent shadows from appearing on the subject, it's small size and easy attachment make it an ideal companion.

Speedlite 420EZ and Speedlite 300EZ

Two EOS speedlites, the 420EZ and 300EZ provide balanced exposure from foreground to background with a built-in automatic zoom that adjusts the coverage angle, and a quick recharge. With the 420EZ, bounce flash can be done easily. The guide numbers at ISO 100 are as follows: 420EZ, 35-m/ 116-ft and for the 300EZ, 28-m / 93-ft.



Dioptric Adjustment Lens
Correcteur de visée
Lente de ajuste dióptrico



Circular Polarizing Filters PL-C
Filtres de polarisation circulaire PL-C
Filtros polarizadores circulares PL-C

Dioptric Adjustment Lenses

Ten eyesight correction lenses are available in powers from +3 to -4 diopters. They make viewing and focusing easier. Choose the one which is closest to your eyeglass prescription.

Circular Polarizing Filters PL-C

To block polarized light, use the Canon Circular Polarizing Filters PL-C. These are screw-in types available in three thread diameters: 52mm, 58mm and 72mm.

Shooting Capacity

Based on a new 2CR5 lithium battery pack using the EF 50mm f/1.8 and 24-exp. film.

	EOS 750/750QD			EOS 850
Temperature	Test method I	Test method II	Test method III	Test method I
Normal (68°F/20°C)	75 rolls 1800 shots	40 rolls 950 shots	15 rolls 350 shots	75 rolls 1800 shots
Low (14°F/-10°C)	45 rolls 1100 shots	25 rolls 600 shots	10 rolls 250 shots	45 rolls 1100 shots
Test condition	Shutter is released after AF focusing.			
Test interval	Battery is checked after each roll is shot and rewound. 20 seconds at normal temperature and 3 minutes at low temperature.			



Test method I: Without flash operation
 Test method II: With 30% flash operation
 Test method III: With 100% flash operation

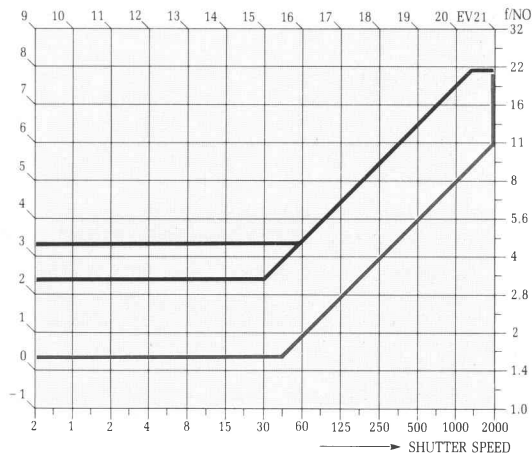
Note: With lenses utilizing a USM, the stated value reduces by half.

Battery performance deteriorates in temperatures below 32°F/0°C. Keep the camera and a spare battery close to your body to keep them warm until use.

- All the data above are based on Canon's Standard Test Method.

Program Lines

This camera is equipped with the advanced "Intelligent Program AE" which chooses the best shutter speed/aperture combinations, taking the lens focal length into account. When the automatically-set shutter speed becomes 0 to 0.5 steps below 1/focal length of the lens in use, "P" blinks. The shutter speed of 1/focal length of the lens is generally said to be the limit for hand-held shooting.



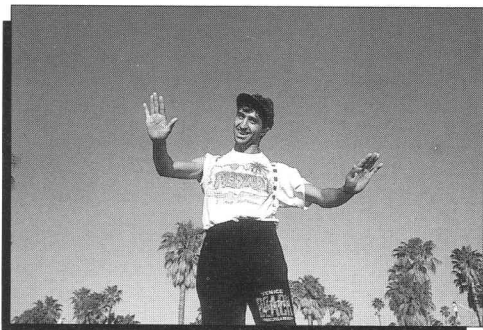
Red: When using the EF 50mm f/1.8
 Black: When using the EF 35-70mm f/3.5-4.5

Courbe rouge: avec un objectif EF 50 mm f/1,8
 Courbe noire: avec un objectif EF 35 - 70 mm f/3,5 - 4,5

Rojo: Usando EF 50 mm f/1,8
 Negro: Usando EF 35 - 70 mm f/3,5 - 4,5

- Ne touchez **JAMAIS** le rideau d'obturateur.
- Les bombes d'air comprimé ne sont guère recommandées pour nettoyer la zone du rideau d'obturateur. Si, malgré tout, vous en utilisez une, veillez à la tenir à 20 cm/8 in. du rideau.

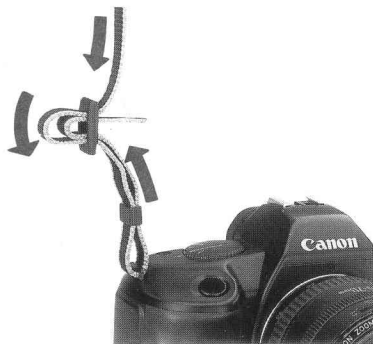
- Procure no tocar **JAMAS** la cortinilla del obturador.
- No son recomendables los sprays aerosol quitapolvo en el área de la cortinilla del obturador. Si los usara, mantenga el bote al menos a 20 cm de la cortinilla.



We recommend cleaning your camera periodically and especially after using it at the beach.

- 1) To clean the lens surface and the viewfinder eyepiece, blow off dust with a blower brush and gently wipe with a lens cleaning tissue slightly moistened with lens cleaner.
- 2) To clean the reflecting mirror and the focusing screen, only use a blower brush. If more cleaning is necessary **NEVER** attempt to do it yourself, take it to an authorized Canon Service Facility.
- 3) To clean the film chamber, use a blower brush to occasionally remove accumulated film dust particles that might scratch the film.
- 4) To clean the film pressure plate and the film guide rails, lightly wipe the surface with a lens cleaning tissue moistened with lens cleaning fluid.

- Be careful **NEVER** to touch the shutter curtain.
- Aerosol spray dust removers are not recommended for the shutter curtain area. If used, hold the can at least 8in/20cm away from the curtain.



Strap

Thread the ends of the neckstrap through the fixtures as shown.

Camera Cases (Sold Separately)

Keep the camera in its case to protect it while carrying.

Canon offers three semi-hard cases designed exclusively for the EOS 850, 750 and 750QD.

- ① Case S — Body and 50mm lens
- ② Case L — Body and 35-70mm lens
- ③ Case LL — Body and 35-105mm lens

- When carrying the camera on your shoulder, keep the lens facing your body to minimize the risk of damage.



① Case S
Etui S
Estuche S



② Case L
Etui L
Estuche L



③ Case LL
Etui LL
Estuche LL

Type:

35mm autofocus, single-lens reflex camera with electronically-controlled automatic exposure, focal plane shutter, and built-in motor drive.
EOS 750/750QD: Built-in flash.

EOS 750QD: Built-in date or time imprint function.

EOS 850: Without built-in flash.

Format:

24 × 36mm

Usable Lenses:

Canon EF Lenses (full aperture metering only)

Lens Mount:

Canon EF Mount (electronic signal transfer system)

Viewfinder:

Fixed eye-level pentaprism. Gives 92% vertical and horizontal coverage of actual picture area, and 0.8X magnification at infinity with a 50mm f/1.8 lens.

Dioptric Adjustment:

Built-in eyepiece is adjusted to standard - 1 diopter. (eyepoint: 6.2 inch/16.0mm)

Focusing Screen:

Overall new laser-matte screen with AF frame.

Mirror:

Quick-return half-mirror.

Viewfinder Information:

Displayed at the bottom of the viewing area.

- 1 AF in-focus symbol: Lights up when AF is possible. Blinks at 8Hz when AF is not possible. In Depth of Field Mode, blinks at first and second in-focus. Blinks at 4Hz when the subject is out of the focus zone.
- 2 Exposure symbol: Lights up for correct exposure and flash charge completion. Blinks at 2Hz for camera-shake warning. Blinks 8Hz for out of coupling range warning. Off when flash is charging.

Light Metering System:

TTL full aperture metering using SPC: Evaluative metering.

Exposure Modes:

(1) Intelligent Program AE, (2) Depth-of-Field AE, (3) TTL program flash AE (with built-in flash or the Speedlite 160E), automatic fill-in flash and automatic flash at low-light level, (4) A-TTL program flash AE (with Speedlite 420EZ and 300EZ)

Camera-shake Warning:

When automatically-set shutter speed falls 0 to 0.5 steps below 1/focal length of the lens in use, "P" blinks at 2Hz. No camera-shake warning when the built-in flash or dedicated flash is used.

Metering Range:

EV 0-20 with 50mm f/1.4 at ISO 100. (EV 3-20 in high temperature and humidity)

Film Speed:

ISO 25-3200 is automatically set in full steps according to DX code. For non DX-coded film, set to ISO 25.

AF Control System:

TTL-SIR (TTL secondary imaged registration) phase-detection type using BASIS (base-stored image sensor). AF in-focus symbol lights in viewfinder and short beeper tone emits. Beeper tone cannot be turned off. When AF is impossible, in-focus symbol blinks at 8Hz.

Focus Mode:

1. ONE SHOT mode: AF operation ends and focus is locked once ranging is completed. Shutter can be released upon completion of ranging.
2. Manual: By rotating the manual focusing ring after focus mode switch is set to "M".

AF Working Range:

EV1-18 at ISO 100.

AF Auxiliary Light:

Built-in AF auxiliary light on EOS 750/750QD, operates when the flash switch is set to AUTO. The dedicated flash operates with EOS 850. Both operate when flash condition detected.

Shutter:

Electronically controlled vertical-travel focal plane shutter.

Shutter Speed:

1/2000 - 2 sec. X-sync speed is 1/125 sec.

Self-timer:

Electronically controlled with a 10-sec delay. Self-timer operation is indicated by beeper tone. (At 2Hz for 8 secs from the start, then at 8Hz for 2 secs.)

Film Transport:

Pre-wind system.

Film Loading:

Automatic. After film positioning and back cover closure, the film automatically advances to the end of the roll and then stops (approx. 14 secs with 24-exp. film).

Film Wind:

Automatic using a built-in miniature motor. Continuous mode only. Single exposure mode with Depth-of-Field shooting. Confirmation by frame counter.

Power Source:

One, six-volt lithium battery pack (2CR5) supplies power to body and built-in flash (EOS 750/ 750QD).

Battery Check:

By rotating the selector dial to the battery check position. OK: at 8Hz, have a new battery handy: at 2 Hz, no tone: battery exhausted.

Date Imprint Function of the EOS 750QD

Type:

Built-in LCD (liquid crystal display- quartz digital automatic calendar and clock. Programmed to cover the period 1987 to 2019 - corrections automatically made for long and short months and leap years.

Imprint Formats:

(1) Year/Month/Day (2) Day/Hour/Minute (3) Month/Day/Year (4) Day/Month/Year. Can be turned off if no imprint desired.

Clock Accuracy:

Accurate within 90 sec. per month at moderate temperatures 68°F/20°C.

Power Source:

CR2025 3V lithium battery. Life: About three years.

All data are based on Canon's Standard Test Method.

Subject to change without notice.

This equipment has been tested and found to comply with the limits for a Class B computing device in accordance with the specifications set forth in Subpart J of Part 15 of the FCC Rules. If this equipment does cause interference to radio or television reception which can be determined by turning the equipment on and off, use the equipment in another location. If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:

"INTERFERENCE HANDBOOK"

This booklet is available from the US Government Printing Office, Washington, D.C., 20402, Stock No. 004-000-00450-7.