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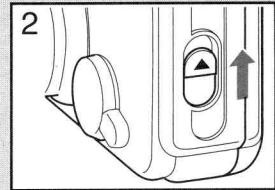
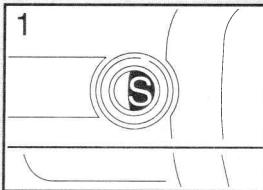
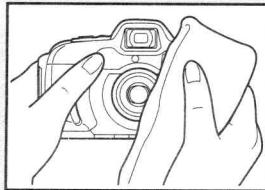
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The large manuals are split only for easy download size.



## E Removing the Film

The film rewinds automatically at the end of the roll. Wipe all dirt and moisture from the camera before opening the back cover.

1. The frame counter counts down while the film is rewinding. Film rewind stops automatically when the film has been completely rewound, and the counter displays "S".

## F Dépose du film

Le film est automatiquement rembobiné après la dernière prise de vues.

Essuyez toute salissure et humidité de l'appareil avant d'ouvrir le dos.

1. Le compteur décompte les vues pendant le rembobinage. Le processus de rembobinage cesse automatiquement lorsque le film est complètement rembobiné et le compteur affiche "S".

## S Extracción de la película

La película se rebobina automáticamente al terminarse el rollo.

Antes de abrir la tapa posterior limpíe toda suciedad y humedad de la cámara.

1. El contador de exposiciones cuenta hacia atrás mientras se rebobina la película. El rebobinado de la cinta se detiene automáticamente cuando la cinta se ha rebobinado por completo, y aparece "S" en el contador de exposiciones.

2. Slide the back cover opening latch in the direction of the arrow to open the back cover and remove the film.



- Since this camera is airtight, when it has been used in high-pressure conditions, it is difficult to open the back cover. If this happens, open the battery cover to equalize the pressure, and then open the back cover.

2. Ouvrez le dos en faisant glisser le pousoir de déverrouillage vers le bas et retirez le film de l'appareil.

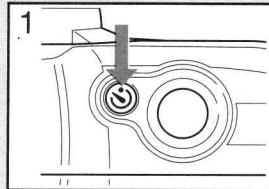


- Etant donné que l'appareil est hermétique, lorsqu'il a été utilisé dans des conditions de forte pression, il est difficile d'en ouvrir le dos. Si cela se produit, ouvrez le magasin des piles pour neutraliser la pression, puis ouvrez le dos.

2. Deslice el cierre de la tapa posterior en la dirección de la flecha para abrir la tapa posterior y extraer la película.



- Ya que esta cámara es hermética, cuando sea utilizada en condiciones de alta presión, será difícil abrir la tapa posterior. Si esto sucede, abra la tapa de la pila para igualar la presión, y luego abra la tapa posterior.



## E Removing the Film

- A** • Do not rub lens, finders, or flash lights if they are dirty.
- If the camera is particularly dirty or has been used in salt water, wash it in a bucket filled with tap water and wipe off all moisture with a dry, soft cloth before removing the film. (→66)
- If more than the number of frames specified on the film cartridge is shot, the last frame may be cut off during processing.

## F Dépose du film

- A** • Ne cherchez pas à nettoyer l'objectif, le viseur ou la lampe du flash si ceux-ci sont poussiéreux.
- Si l'appareil est particulièrement sale ou a été utilisé dans de l'eau de mer, le laver à l'eau douce et éliminez toute l'humidité à l'aide d'un chiffon sec et doux avant de retirer le film. (→72)
- Si le nombre de vues prises est supérieur au nombres de vues spécifié sur la cartouche du film, la dernière vue risque d'être coupée pendant le développement.

## S Extracción de la película

- A** • Si el objetivo, el visor, o el flash estuviesen sucios no los frote fuertemente.
- Si la cámara está particularmente sucia o si ha sido usada en agua salada, antes de extraer la película, lávela con agua del grifo y limpíe toda humedad con un paño suave y seco. (→78)
- Si se hacen más tomas que el número de fotogramas especificados en el rollo de película, el último fotograma puede resultar cortado durante el revelado.

## Self-Timer Shooting

The self-timer function allows you to include yourself in the picture. When you are using the self-timer function, place the camera on a flat, steady surface or use a tripod.

1. Compose the picture while looking through the viewfinder and press the self-timer button for auto focusing. When the subject is in focus, the green lamp lights up steadily.

## Prise de vues au retardateur

La fonction de retardateur vous permet de figurer sur la photo. Lors de l'utilisation de la fonction de retardateur, placez l'appareil sur une surface plane et stable ou utilisez un trépied.

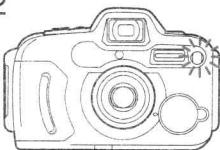
1. Componer la imagen todo en mirando por el visor puis appuyez sur la touche de retardateur pour effectuer une mise au point automática. Cuando el sujeto est mis au point, le témoin vert reste allumé.

## Fotografía con autodisparo

La función de autodisparo le permite a Ud. participar en la foto. Cuando utilice la función de autodisparo, coloque la cámara sobre una superficie plana y estable, o utilice un trípode.

1. Componga la escena mientras mira por el visor, oprima el botón de autodisparo para comenzar la fotografía con autodisparo. La luz verde se ilumina constantemente cuando el sujeto queda enfocado.

2



## E Self-Timer Shooting

2. The red-eye reduction/self-timer lamp blinks (about 1/sec.) for about 10 seconds. Then the picture is taken.

### To cancel self-timer mode:

Press the self-timer button again.



- For the last 2 seconds before the picture is taken, the red-eye reduction/self-timer lamp blinks rapidly (about 4/sec.). When the red-eye reduction function is operating, it lights continuously for the last 2 seconds before the picture is taken.



- Do not stand in front of the camera when pressing the self-timer button, or improper focus and exposure may result.



- Pendant les deux dernières secondes avant que la photo soit prise, la lampe-pilote anti-yeux rouges/le témoin de retardateur clignote rapidement (environ 4 fois/sec.). Lorsque la fonction anti-yeux rouges est activée, le témoin est allumé en continu pendant les deux dernières secondes avant le déclenchement.



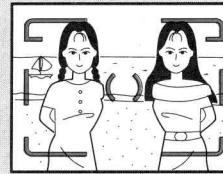
- Ne restez pas devant l'appareil lors du déclenchement.



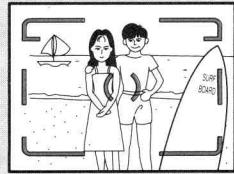
- Durante los últimos 2 segundos antes de tomar la foto, la luz de autodisparo/reducción de ojos rojos parpadea rápidamente (durante 4/seg.). Cuando la función de reducción de ojos rojos va a realizarse, la luz se ilumina constantemente durante los últimos 2 segundos antes del disparo.



- No se pare frente a la cámara al oprimir el botón de autodisparo , ya que el enfoque y la exposición pueden resultar incorrectos.



1



2

- By pressing the shutter button this mechanism enables you to focus on the subject, even if the subject is not in the center of the picture. (See example 1)
- If there is an obstruction between the subject and the camera, the camera will accurately focus on the subject. (See example 2)
- If you are taking a picture through glass, the camera focuses on the subject instead of the glass. (→44)

- En appuyant sur le déclencheur, ce dispositif vous donne la possibilité de faire la mise au point sur le sujet, même lorsque le sujet n'est pas centré dans l'image. (Voir exemple 1)
- Si il y a un obstacle entre le sujet et l'appareil, l'appareil effectuera la mise au point sur le sujet. (Voir exemple 2)
- De la même façon, lors de la prise de vues à travers une vitre/vitrine, l'appareil effectue la mise au point sur le sujet au lieu de la faire sur la vitre. (→44)

- Presionando el disparador, este mecanismo lo capacita para enfocar el sujeto, aunque el sujeto no esté centrado en el fotograma. (Vea el ejemplo 1)
- Si hubiera un obstáculo entre el sujeto y la cámara, la cámara enfocaría al sujeto con exactitud. (Vea el ejemplo 2)
- Si está tomando fotos a través de un cristal, la cámara enfocará al sujeto en vez de enfocar al cristal. (→44)

## E The AiAF (Smart AF) Function

The AiAF (smart AF) function has a wide measuring area and is the latest mechanism for accurately adjusting the focus. This mechanism was developed based on the analysis of several thousand photographs and Canon's unique know-how.



- The fixed focus function operates underwater but the AiAF (Smart AF) function does not. (→62)

## F Fonction de mise au point AiAF (Smart AF)

La fonction AiAF (Smart AF) dispose d'une zone de mesure large. Ce dispositif a été mis au point en se basant sur l'analyse de plusieurs milliers de photographies et du savoir-faire unique de Canon.



- Sous l'eau, la fonction AiAF (Smart AF) de mise au point ne fonctionne pas. Le système de l'appareil passe automatiquement à une distance de mise au point fixe. (→68)

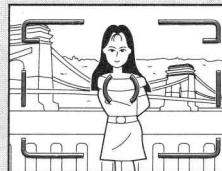
## S La función AiAF (Smart AF)

La función AiAF (Smart AF) tiene un área de medición extensa, y es el último mecanismo para ajustar el enfoque con precisión. Este mecanismo fue desarrollado en base a los análisis de varios de miles de fotografías y los conocimientos únicos de Canon.

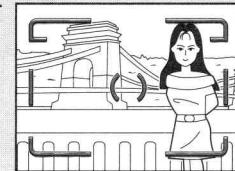


- La función de enfoque fijo funciona bajo el agua, no así, la función AiAF (Smart AF). (→74)

1



2



1. Position the subject in the AF frame. Press the shutter button lightly to focus the subject. The green lamp lights up when the subject is in focus.
2. While pressing the shutter button lightly, frame the picture as desired. Gently press the shutter button all the way down to take the picture. Make sure you do not change the distance to the object as you do this.

1. Placez le sujet dans le collimateur autofocus. Appuyez légèrement sur le déclencheur pour effectuer la mise au point sur le sujet. Le témoin vert s'allume lorsque le sujet est mis au point.
2. Tout en appuyant à mi-course sur le déclencheur, cadrez l'image comme vous le désirez. Appuyez doucement sur le déclencheur à fond pour prendre la photo. Assurez-vous de ne pas changer la distance du sujet pendant cette opération.

1. Sitúe al sujeto en la marca AF. Oprima el disparador ligeramente para enfocar al sujeto. La luz verde se ilumina cuando el sujeto queda enfocado.
2. Mientras oprime el disparador hasta la mitad, vuelva a componer la imagen tal como lo deseé. Suavemente oprima el disparador a fondo para tomar la foto. Asegúrese de no cambiar la distancia del sujeto, mientras hace esto.

## E Focus Lock

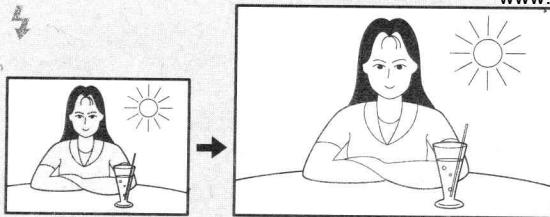
This is handy when you want to position the subject at the extreme edge of the frame, for example. Press the shutter button lightly to change the composition of the picture without changing the focus or the exposure level (this is called Focus Lock).

## F Verrouillage de la mise au point

Cette fonction est pratique lorsque vous désirez positionner le sujet à la limite extrême de l'image par exemple. Appuyez légèrement sur le déclencheur pour modifier la composition de l'image sans modifier la mise au point ou le niveau d'exposition (cela s'appelle verrouillage de la mise au point).

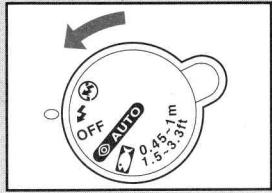
## S Fijación del enfoque

Esto es práctico, por ejemplo cuando Ud. desea colocar al sujeto en el borde extremo del fotograma. Oprima el disparador ligeramente para cambiar la composición de la imagen, sin cambiar el enfoque ni el nivel de exposición (a esto se le denomina "fijación del enfoque").



## E Flash ON Mode

In this mode the flash fires every time you take a picture, regardless of the lighting conditions. Use this setting for underwater photography or fill-in flash to soften shadows of people or objects.



Turn the dial to Flash ON mode.



- See page 83 regarding the distances at which you can use the flash.

## F Mode flash forcé (ON)

Dans ce mode le flash se déclenche à chaque prise de vues, sans tenir compte des conditions d'éclairage. Utilisez ce réglage pour la photographie sous-marine ou en tant que flash d'appoint pour adoucir les contours de personnes ou d'objets.

Tournez le sélecteur vers la position Flash forcé (ON) .



- Se référer à la page 87 concernant les distances auxquelles le flash peut être utilisé.

## S Modo con flash

En este modo el flash se dispara cada vez que tome una foto, indiferentemente de las condiciones de iluminación. Utilice este ajuste para fotografiar bajo el agua o con flash de relleno, o para suavizar las sombras de personas o de objetos.

Gire el cuadrante a Flash ON .



- Con respecto a las distancias en las que Ud. puede utilizar el flash, vea la página 91.



## E Flash OFF Mode

Use this mode in places where use of flash is prohibited, for night views, and for available-light photography.



Turn the dial to Flash OFF mode.



- In this mode, a slow shutter speed is set when shooting in low-light situations, so please make sure that you do not shake the camera.
- If the green lamp blinks rapidly (16 times/sec.), the camera is shaking. Place the camera on a stable support such as a tripod before taking pictures.

## F Mode flash débrayé (OFF)

Utilisez cette fonction dans des endroits où l'utilisation d'un flash est interdite, pour les prises de vues nocturnes, et des photographies sous l'éclairage ambiant.

Tournez le sélecteur vers la position Flash débrayé (OFF) .



- Dans ce mode, une vitesse d'obturation lente est réglée lors de la prise de vues en basses lumières; il convient donc de s'assurer qu'il n'y a pas de bougé de l'appareil.
- Le témoin vert clignote rapidement (16 fois/sec.) indiquant un risque de bougé. Placez l'appareil sur une surface stable ou utilisez un trépied pour éviter un bougé de l'appareil avant la prise de vues.

## S Modo sin flash

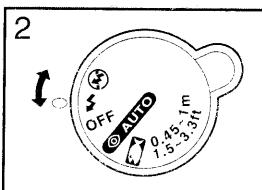
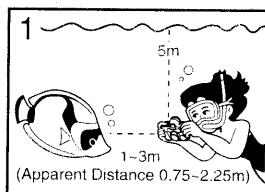
Utilice este modo en lugares donde se prohíbe utilizar el flash, para vistas nocturnas, y para fotografiar sólo con la luz disponible.

Gire el cuadrante a Flash OFF .



- En este modo, se ajusta una velocidad de obturación lenta cuando se toma fotos en situaciones de luz insuficiente, por eso, asegúrese de no mover la cámara.
- Si la luz verde parpadea rápidamente (16 veces/seg.), es que está indicando una advertencia de vibración de cámara. Antes de tomar las fotos, coloque la cámara sobre una superficie estable como un trípode por ejemplo.

# E Underwater Photography



You can take pictures down to 5m/16.4ft. under water. When underwater, the camera's auto focus mechanism automatically switches to a fixed focal length.

You can take pictures at distances of 1-3m/3.3-9.8ft. (Apparent Distance Range 0.75-2.25m/2.5-7.4ft. underwater)

- Subjects in the water appear about 25% closer than they actually are.

1. Compose the picture.
2. Press the shutter button lightly so that the green lamp flashes, and then gently press the shutter button all the way down to take the picture.

- Your camera is designed to float in fresh water even when it is loaded with a battery and film.
- Use high sensitivity film such as ISO 400 to avoid camera shake.
- When the green lamp flashes, the auto exposure is adjusted and the battery charge is completed.
- Do not change the film or the battery under water.
- The glass protecting the lens may cloud up when the camera is suddenly immersed in cold water. Immersing the camera in water for a while before taking pictures.
- You cannot use slide film underwater.

Clarity Light- ing	Distance	1-3m (Apparent 0.75-2.25m)			0.45-1m (0.34-0.75m)
		Flash ON	Flash OFF	AUTO	Underwater Macro
High	Light				
	Dark		<sup>3</sup>	<sup>1</sup>	
Low	Light	<sup>2</sup>			
	Dark	<sup>2</sup>	<sup>3</sup>	<sup>1</sup>	

Use the Flash ON and the underwater macro modes for underwater photography.

Underwater photography is affected by distance, lighting, and the clarity of the water. Refer to the above table to determine which modes are best for taking pictures in special conditions.

: Highly recommended

: Recommended

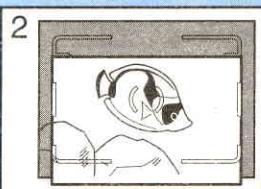
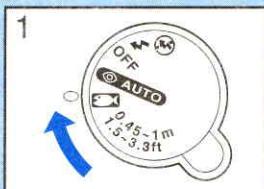
: Not recommended

<sup>1</sup>: AUTO is not recommended for underwater photography. If the red-eye reduction mode is activated underwater, the 1 second release lock will operate causing the camera to shake.

<sup>2</sup>: If the clarity of the water is low because of plankton or other particles, use the underwater macro mode to take a close up picture, or take a picture with the Flash OFF mode.

<sup>3</sup>: Since the shutter speed is slow in dark areas, use the underwater macro mode to get close to the subject.

- If the clarity of the water decreases, the flash distance range also decreases.



In the underwater macro mode you can take pictures at a close range (between 0.45~1m/1.5~3.3ft. from the subject). This is useful when you are taking pictures of small fish or shells since the flash always fires.

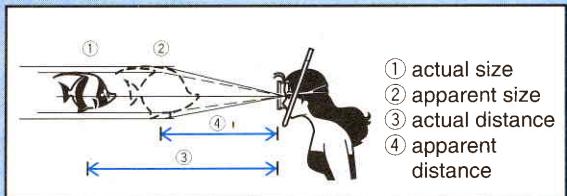
Underwater macro photography distance: 0.45~1m/1.5~3.3ft.

(Apparent Distance Range: 0.34~0.75m/1.1~2.5ft.)

1. Turn the dial to **AUTO**, hold the , then press the shutter button lightly.
2. Compose the picture so that the subject is within the parallax correction lines. Gently press the shutter button all the way down to take the picture.



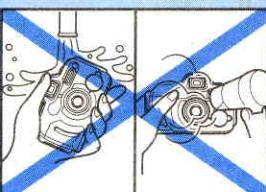
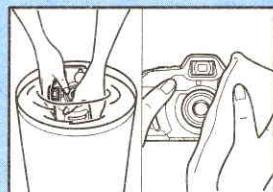
- On land, the underwater macro mode close-ups are fixed at 0.65m/2.1ft..
- Slide film cannot be used underwater.



Here are some tips that can help you take better pictures under water.

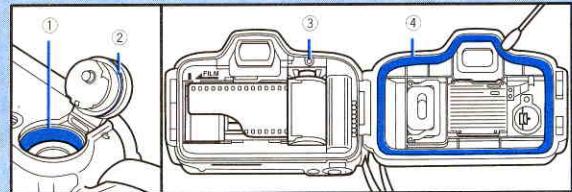
- The refractive index of water is 1.33 times as large as air, so that subjects under water appear about 25% closer than they actually are. Therefore, 1~3m will actually appear to be 0.75~2.25m when you use the regular mode (0.45~1m will appear to be 0.34~0.75m when you use the underwater macro mode).
- Water absorbs red light, causing color pictures to appear bluish. You can minimize this by getting close to the subject and using the flash.
- If you use the flash when you are far from the subject and in unclear water, the flash reflects off the plankton or other particles which may appear in the picture. In these situations, use the underwater macro mode ① or the Flash OFF mode ② to take the picture.





It is particularly important to wash the camera if it has been used in dirty water or salt water.

1. Since the inside of the camera is not waterproof, make sure that the back cover and the battery lid is closed tightly.
  - Do not rub lens, finders, or flash lights if they are dirty.
  - After you use the camera in the sea, leave the camera in clean water for a few hours. Salt can cause the camera to rust.
2. Place the camera in a bucket filled with water, then gently swish the camera from side to side to remove dirt and sand.
3. Wipe all moisture from the camera with a dry, soft cloth and leave it to dry in the shade.
  - Do not wash the camera under running water such as running water from a tap.
  - Do not attempt to speed up drying with a dryer or other heat sources.
  - Do not wash this camera in the washing machine.



The packing and the O-ring make this camera waterproof to a depth of 5m/16.4ft. under water. In order not to lose the camera's waterproofing, follow the directions in this section, "Inspecting the Packing and O-ring". A grain of sand or a single hair can cause water to leak into the camera.

\*Packing: The orange rubber frame inside the back cover.  
O-ring: The black rubber ring inside the battery cover.

1. When you exchange the film or battery, always check to see that the packing ④, O-ring ②, and any mating surfaces ① ③ are not scratched or dirty.
2. Use a moistened cotton swab to remove any sand, hair, or other particles from the packing, O-ring, and any mating surfaces. If you use the camera when these components are scratched or dirty, the camera will not be waterproof and will break when you immerse it in water. In this case, the camera cannot be repaired.

#### Replacing packing and O-ring

Please replace the packing and the O-ring every 2 years at a Canon service facility, even if they are not scratched or warped. If you frequently use this camera in sandy or dusty places or underwater, however, we recommend that you change both every year.

- ⚠ • The packing and O-ring have been specially treated.  
Please do not wipe the camera with grease.

## E Questions and Answers

**Q.1** Can slide film be used with this camera?

**A.1** Slide film can be used on land but it cannot be used underwater. Use DX-coded film with a speed of ISO 25, 50, 100, 200, 400, 800, 1600 and 3200.

**Q.2** What is ISO?

**A.2** The ISO number indicates the film's sensitivity to light in numerical terms. The higher the number, the more sensitive to light the film is. For ordinary photography ISO 200 or 400 film is recommended.

**Q.3** Can films other than DX-coded films be used?

**A.3** Yes, they can. ISO 25 film or non-DX-coded film are not automatically taken up. Press the shutter button until "1" appears in the frame counter. All non-DX-coded film cartridges are automatically registered as ISO 25.

**Q.4** What are the Parallax correction lines in the viewfinder?

**A.4** When taking close-up pictures (0.45m/1.5ft.), compose your picture within these lines.

## E Troubleshooting

Even if you think your camera may need repairs, check the table below first. If your camera still does not function properly after you have made these checks, bring it to your nearest Canon service center for repairs.

Problem	Cause	Remedy
1. The green lamp doesn't light up.	1 The battery has expired. 2 The battery is inserted with the wrong polarity.	1 Change the battery. 2 Reinsert the battery correctly.
2. The shutter doesn't release.	1 The mode selecting dial is turned OFF. 2 The battery has expired. 3 The film is not inserted properly. 4 A finished roll of film is loaded in the camera.	1 Turn the mode selecting dial ON. 2 Change the battery. 3 Reload the film correctly. 4 Remove the film and load a new roll.
3. Pictures are blurry.	1 When the shutter was released, the AF light receptor was covered. 2 During self-timer photography, you pressed the self-timer button while standing immediately in front of the camera. 3 The camera was moved when the shutter button was pushed. (Camera shake) 4 There were drops of water on the lens.	1 Make sure the AF light receptor is not covered by hair, fingers, etc. 2 Make sure you are not standing directly in front of the camera. 3 Press the shutter button lightly. 4 Use a dry, soft cloth to wipe the lens before taking a picture.
4. The back cover does not open.	The pressure inside the camera is lower than the surrounding pressure.	Unscrew the battery cover using a coin. This should equalize the pressure in the camera and make it easier to open the back cover.

## E Specifications

**Type:** Waterproof, 35mm fully automatic lens-shutter camera

**Display Size:** 24 × 36mm (standard size) (0.95 × 1.42in.)

**Underwater Depth:** 5m/16.4ft.

**Lens:** Canon 32mm f/3.5

**AF Control:** AiAF (Smart AF) system (fixed underwater)

**Shooting Distance Range:** 0.45m/1.5 ft. to infinity on land, 1 to 3m/3.3 to 9.9ft. underwater (underwater macro mode 0.45 to 1m/1.5 to 3.3ft.)

**Shutter:** Electromagnetically-driven shutter with combinable programs

**Viewfinder:** Albada-type finder

**Viewfinder Magnification:** 0.42x

**Viewfinder Displays:** Picture frame, parallax correction lines, AF frame

**Loading:** Automatic (automatic blank film advance)

**Film Winding:** Automatic

**Film Rewinding:** Automatic at end of film

**Frame Counter:** Counts up during film winding and counts down during rewinding.

**Film Check:** Film check window at back of the camera.

**Self-timer:** Electronically-controlled 10 second delay timer activated by pressing the self-timer button. The red-eye reduction/self-timer lamp blinks during operation.

**Metering Range (at ISO 100):**

Flash AUTO/Flash ON mode:

1/60 f/3.5–1/250 f/22 (EV9.5–17)

Flash OFF mode:

2sec. f/3.5–1/250 f/22 (EV3–17)

**Film Speed Setting:** ISO 25–3200. DX-coded film set in one-stop increments

**Built-in Flash:** Built-in flash, automatically flashes in the dark

**Flash Shooting Distance Range (using color print film):**  
On land

Film Sensitivity	Distance Range
ISO 100	0.45–3.4m (1.5–11.1ft.)
ISO 200	0.45–4.8m (1.5–15.7ft.)
ISO 400	0.45–6.8m (1.5–22.3ft.)

In water

Film Sensitivity	Distance Range	Apparent Distance
ISO 100	1–2.3 m (3.3–7.6ft.)	0.75–1.73 m (2.5–5.7ft.)
ISO 200/400	1–3 m (3.3–9.9ft.)	0.75–2.25 m (2.5–7.4ft.)

**Flash Recycling Time:** Approx. 4 sec.

**Flash Mode Change-over:** Using mode selecting dial

- ① Flash AUTO mode: Automatically flashes in the dark
- ② Flash ON mode: Flash fires every time
- ③ Flash OFF mode: Flash does not fire regardless of conditions

**Power Supply:** One 3V lithium battery (CR 123A/DL 123A)

**Shooting Capacity:** Approx. 18 rolls of 24-exp. film

**Buoyancy:** Floats in water

**Dimensions:** 133.5 (W) × 88.3 (H) × 53.6 (D)mm/  
5.25 × 3.48 × 2.11in

**Weight:** 300g/10.6oz. (without battery for the camera)

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