

# Canon

## EF Lenses

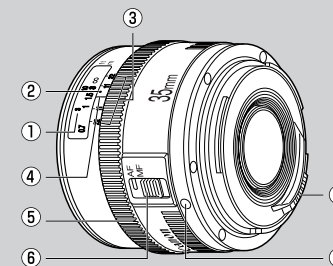
EF15mm f/2.8 Fish-eye  
EF24mm f/2.8  
EF28mm f/2.8  
EF35mm f/2

EF50mm f/1.0L USM  
EF50mm f/1.8  
EF85mm f/1.2L USM

## Instructions

### Nomenclature

- ① Distance scale
- ② Infrared index
- ③ Depth-of-Field scale
- ④ Distance index
- ⑤ Focusing ring
- ⑥ Focus mode switch
- ⑦ Lens mount index
- ⑧ Contacts



Thank you for purchasing a Canon product.

### ⚠ Safety Precautions

1. **Do not look at the sun or a bright light source through the lens or camera.** Doing so could result in loss of vision. Looking at the sun directly through the lens is especially hazardous.
2. **Whether it is attached to the camera or not, do not leave the lens under the sun without the lens cap attached.** This is to prevent the lens from concentrating the sun's rays, which could cause a fire.

### ⚠ Handling Cautions

If the lens is taken from a cold environment into a warm one, condensation may develop on the lens surface and internal parts. To prevent condensation in this case, first put the lens into an airtight plastic bag before taking it from a cold to warm environment. Then take out the lens after it has warmed gradually. Do the same when taking the lens from a warm environment into a cold one.

### Handling the EF50mm f/1.0L USM and EF85mm f/1.2L USM

The EF50mm f/1.0L USM and EF85mm f/1.2L USM are ultra-high-precision lenses. Take care not to subject them to shocks or impacts. Also ensure that the lenses are set to the "∞" setting before putting them in the case.

### 1. Mounting and Detaching the Lens

See your camera's instructions for details on mounting and detaching the lens.

- After detaching the lens, place the lens with the rear end up to prevent the lens surface and contacts from getting scratched.
- If the contacts get soiled, scratched, or have fingerprints on them, corrosion or faulty connections can result. The camera and lens may not operate properly.
- If the contacts get soiled or have fingerprints on them, clean them with a soft cloth.
- If you remove the lens, cover it with the dust cap. To attach it properly, align the lens mount index and the O index of the dust cap, and turn clockwise. To remove it, reverse the order.

### 2. Setting the Focus Mode

To shoot in autofocus (AF) mode, set the focus mode switch to AF ④.

To shoot in manual focus (MF) mode, set the focus mode switch to MF, and focus by turning the focusing ring.

### Setting the Focusing Range (for EF50mm f/1.0L USM)

Two autofocus ranges are selectable with the lens ⑤.

0.6-∞ : From closest focusing distance to infinity.

1-∞ : From 1 m to infinity.

### 3. Depth-of-Field Scale

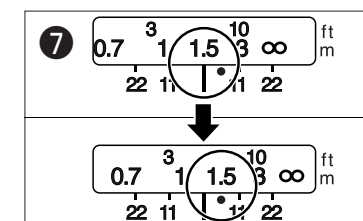
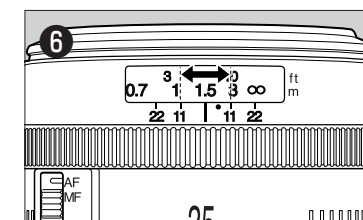
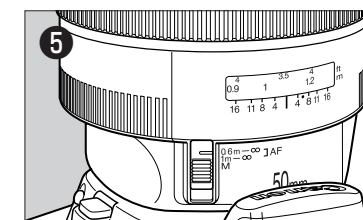
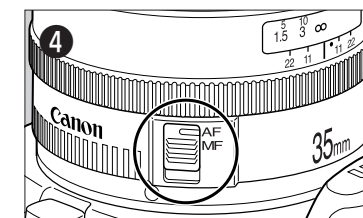
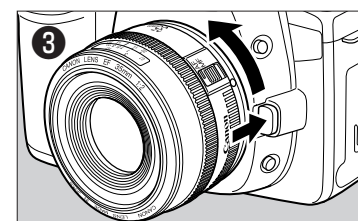
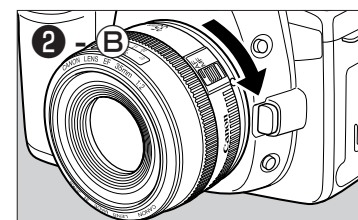
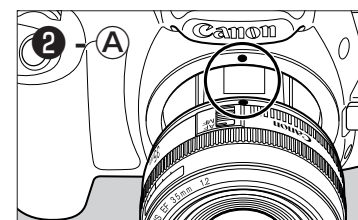
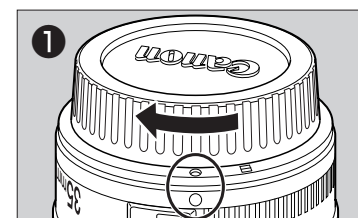
The depth of field is the distance in front of and behind the plane of focus on the subject that appears sharp. The depth of field is indicated by the area between the depth-of-field scale lines below the distance scale. The numbers on the scale are F values, and for example, if the shooting distance is 1.5 m/5 ft. and the aperture is f/11 with the EF35mm f/2, the sharp area will extend from about 1.2 m/4 ft. to 2.8 m/9.3 ft. ⑥.

- The depth-of-field scale is an approximate indicator.

### 4. Infrared Index

The infrared index corrects the focus setting when using monochrome infrared film. Focus on the subject in MF, then adjust the distance setting by moving the focusing ring to the corresponding infrared index mark ⑦.

- The infrared index position is based on a wavelength of 800 nm.
- Be sure to observe the manufacturer's instructions when using infrared film.
- Use a red filter also when you take the picture.



## 5. Hood

The lens hood can keep unwanted light out of the lens, and also protects the lens from rain, snow, and dust.

### EF24mm f/2.8

To attach the hood, align the hood's attachment position mark with the red dot on the front of the lens, then turn the hood in the direction of the arrow until the lens's red dot is aligned with the hood's stop position mark ⑧, ⑩.

### EF24mm f/2.8, EF28mm f/2.8, EF35mm f/2, EF50mm f/1.0L USM, EF50mm f/1.8, and EF85mm f/1.2L USM

Press the buttons on both sides of the hood to attach ⑨.

The hood can be reverse-mounted on the lens for storage.

- Part of the picture may be blocked if the hood is not attached properly.
- When attaching or detaching the hood, grasp the base of the hood to turn it. To prevent deformation, do not grasp the rim of the hood to turn it.

## 6. Filters

You can attach filters to the filter mounting thread on the front of the lens ⑫.

- Only one filter may be attached.
- Use a polarizing Canon filter.

### Filter Holder for the EF15mm f/2.8 Fish-eye

There is a gelatin filter holder at the rear of the lens ⑨. Cut the gelatin filter to fit within the white frames. Then insert the gelatin filter into the filter holder.

- The lens length is measured from the mount surface to the front end of the lens. Add 21.5 mm when including the lens cap and dust cap. (Add 16.8 mm for EF15mm f/2.8 Fish-eye)
- The size and weight listed are for the lens only, except as indicated.
- Aperture settings are specified on the camera.
- All data listed is measured according to Canon standards.
- Product specifications and appearance are subject to change without notice.
- Case and hood not provided with some models.
- Filters sold separately.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Do not make any changes or modifications to the equipment unless otherwise specified in the instructions. If such changes or modifications should be made, you could be required to stop operation of the equipment.

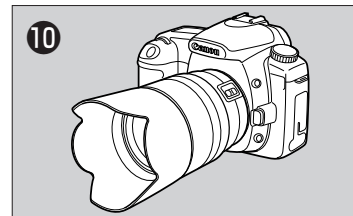
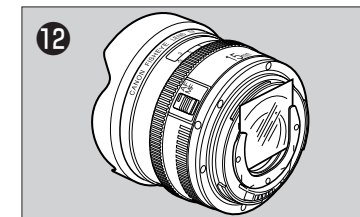
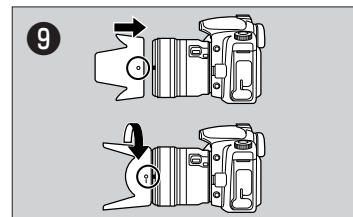
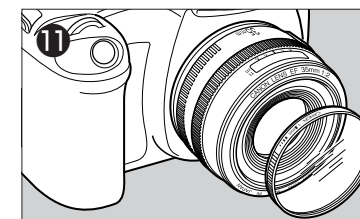
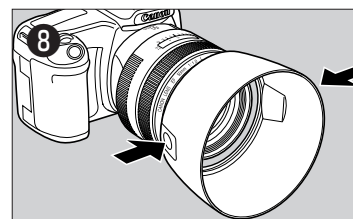
This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Consult the dealer or an experienced radio/TV technician for help.

This Class B digital apparatus complies with Canadian ICES-003.



## Specifications

|                       | Angle of view |          |            | Lens construction | Minimum aperture | Max. magnification | Min. focusing distance | Filter diameter | Max. diameter and length     | Weight          | Hood      | Case   |
|-----------------------|---------------|----------|------------|-------------------|------------------|--------------------|------------------------|-----------------|------------------------------|-----------------|-----------|--------|
|                       | Diagonal      | Vertical | Horizontal |                   |                  |                    |                        |                 |                              |                 |           |        |
| EF15mm f/2.8 Fish-eye | 180°          | —        | —          | 7-8               | 22               | 0.14 ×             | 0.2 m/0.7 ft.          | *1              | 73 × 62.2 mm (2.9" × 2.4")   | 330 g/11.6 oz.  | *2        | LP814  |
| EF24mm f/2.8          | 84°           | 53°      | 74°        | 10-10             | 22               | 0.16 ×             | 0.25 m/0.8 ft.         | 58 mm           | 67.5 × 48.5 mm (2.7" × 1.9") | 270 g/9.5 oz.   | EW-60 II  | LP811  |
| EF28mm f/2.8          | 75°           | 46°      | 65°        | 5-5               | 22               | 0.13 ×             | 0.3 m/1 ft.            | 52 mm           | 67.4 × 42.5 mm (2.7" × 1.7") | 185 g/6.5 oz.   | EW-65 II  | LP1011 |
| EF35mm f/2            | 63°           | 38°      | 54°        | 5-7               | 22               | 0.23 ×             | 0.25 m/0.8 ft.         | 52 mm           | 67.4 × 42.5 mm (2.7" × 1.7") | 210 g/7.4 oz.   | EW-65 II  | LP1011 |
| EF50mm f/1.0L USM     | 46°           | 27°      | 40°        | 9-11              | 16               | 0.11 ×             | 0.6 m/2 ft.            | 72 mm           | 91.5 × 81.5 mm (3.6" × 3.2") | 985 g/34.7 oz.  | ES-79 II  | LP1219 |
| EF50mm f/1.8          | 46°           | 27°      | 40°        | 5-6               | 22               | 0.15 ×             | 0.45 m/1.5 ft.         | 52 mm           | 67.4 × 42.5 mm (2.7" × 1.7") | 190 g/6.7 oz.   | ES-65 III | LP1014 |
| EF85mm f/1.2L USM     | 28°30'        | 16°      | 24°        | 7-8               | 16               | 0.11 ×             | 0.95 m/3.2 ft.         | 72 mm           | 91.5 × 84 mm (3.6" × 3.3")   | 1025 g/36.2 oz. | ES-79 II  | LP1219 |

\*1 Built-in gelatine filter holder

\*2 Built-in