

EF Lenses

EF14mm f/2.8L USM
EF20mm f/2.8 USM
EF24mm f/1.4L USM

EF28mm f/1.8 USM
EF35mm f/1.4L USM
EF50mm f/1.4 USM

EF85mm f/1.8 USM
EF100mm f/2 USM
EF200mm f/2.8L USM

Instructions

Thank you for purchasing a Canon USM lens.

⚠ 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.

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 \odot index of the dust cap, and turn clockwise. To remove it, reverse the order.

2. Setting the Focus Mode

To shoot in autofocus mode, set the focus mode switch to AF ④ . To use only manual focusing, set the focus mode switch to MF, and focus by turning the focusing ring.

- Do not touch the focusing ring on the lens during autofocus.

3. Full-time Manual Focusing

Full-time manual focusing allows you to focus manually even when autofocus mode is selected.

- 1) Set the camera to ONE SHOT AF mode and press the shutter button halfway.
- 2) Keep the shutter button pressed halfway and turn the focusing ring to focus manually ⑤ .

4. Aperture Setting

Aperture settings are specified on the camera.

5. Infinity Distance Mark

To compensate for shifting of the infinity focus point that results from changes in temperature.

The infinity position at normal temperature is the point at which the vertical line of the L mark is aligned with the distance indicator on the distance scale ⑥ .

To make sure focus is precise, it is recommended that you check the focus in the viewfinder before shooting.

6. Infrared Index

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

Use a red filter also when you take the picture.

- Switch the focus mode to MF to turn the focusing ring for adjustment.
- The position of the infrared indices is based on film usage with a peak sensitivity of 800 nm and a red filter (such as Wratten 87). Using black and white infrared film with a different sensitivity may require a slightly different setting. Thus, it is recommended to take trial shots with the focusing ring set slightly to the left and then right of the appropriate index to find the best position.
- Be sure to observe the manufacturer's instructions when using infrared film.

7. Filter (sold separately)

The filter screws onto the front of the lens.

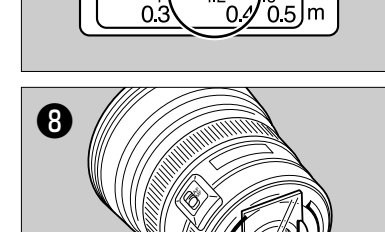
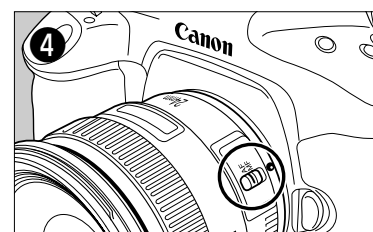
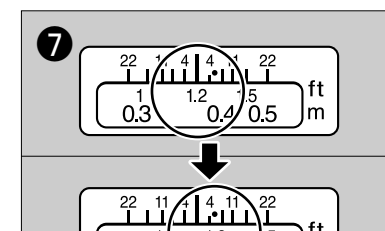
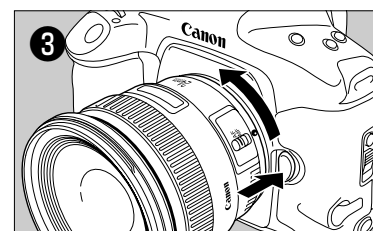
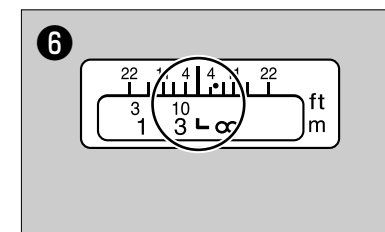
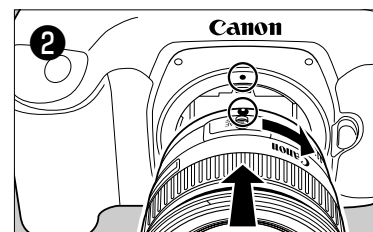
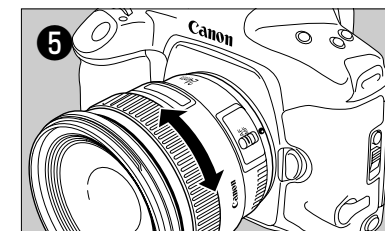
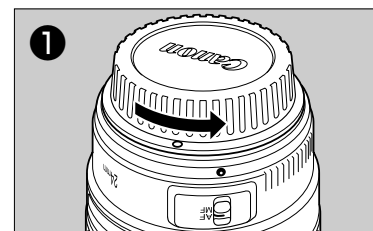
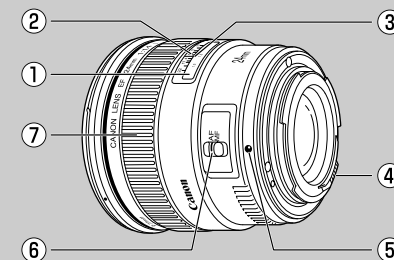
- If you need a polarizing filter, use Canon's PL-C polarizing filter.

Filter holder for the EF14mm f/2.8L USM

This lens is constructed with a built-in, gelatin filter holder in the rear ⑧ . To insert, simply cut the filter to the same dimensions (31 mm/1-1/4" \times 31 mm/1-1/4") as the white brackets, then slide the filter into the holder.

Nomenclature

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



8. Hood

The hood can keep unwanted light out of the lens, and also protects the lens from rain, snow, and dust. Engage the hood attachment tabs on the lens with the tabs on the hood and turn the hood in the direction of the arrow to secure it to the lens.

[Bayonet type]

EF20mm f/2.8 USM, EF28mm f/1.8 USM and EF50mm f/1.4 USM (sold separately), and EF24mm f/1.4L USM and EF35mm f/1.4L USM (supplied with the lens).

To fit the hood on the EF20mm f/2.8 USM, EF24mm f/1.4L USM, EF28mm f/1.8 USM or EF35mm f/1.4L USM, align the hood's attachment position mark with the red dot on the front of the lens, then turn the hood clockwise until the lens's red dot is aligned with the hood's stop position mark ⑨.

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.

Though there is no red dot on the hood for the EF50mm f/1.4 USM (ES-71II), the attachment procedure is the same.

- Part of the picture may be blocked if the hood is not attached properly.
- The hood can be reverse-mounted on the lens for storage.

[Clip-on type]

EF85mm f/1.8 USM, EF100mm f/2 USM (sold separately)

Press the buttons on both sides of the hood to attach as illustrated ⑩.

[Cut-in type]

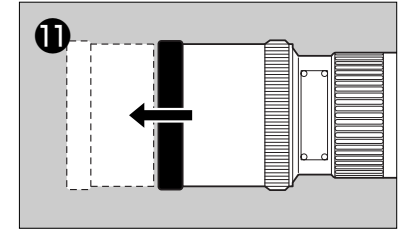
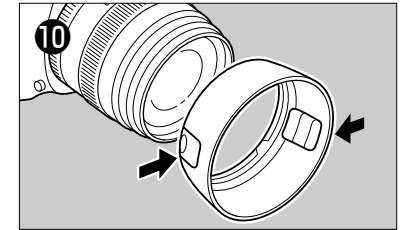
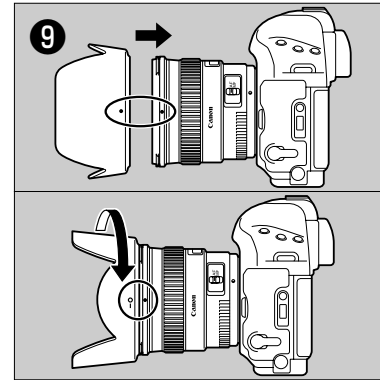
① Fixed type EF14mm f/2.8L USM

The hood and lens are a single unit.

② Pull-out type EF200mm f/2.8L USM

Pull the hood out from the front of the lens to use ⑪.

- 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.
- The size and weight listed are for the lens only, except as indicated.
- Product specifications and appearance are subject to change without notice.



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 generated, 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 digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the interference-causing equipment standard entitled "Digital Apparatus", ICES-003 of the Industry Canada.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques (de la classe B) prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

Specifications

	Angle of view			Lens construction	Minimum aperture	Max. magnification and field of view	Min. focusing distance	Filter diameter <Usable number>	Hood	Max. diameter and length	Weight	Case
	Diagonal	Vertical	Horizontal									
EF14mm f/2.8L USM	114°	81°	104°	10-14	22	0.10X/246 × 375 mm (9.7" × 14.8")	0.25 m/0.82 ft.	*1 <3>	*2	77 × 89 mm (3.0" × 3.5")	560 g/19.6 oz.	LP1016
EF20mm f/2.8 USM	94°	62°	84°	9-11	22	0.14X/176 × 264 mm (6.9" × 10.4")	0.25 m/0.82 ft.	72 mm <1>	EW-75II	77.5 × 70.6 mm (3.1" × 2.8")	405 g/14.2 oz.	LP1214
EF24mm f/1.4L USM	84°	53°	74°	9-11	22	0.16X/150 × 227 mm (5.9" × 8.9")	0.25 m/0.82 ft.	77 mm <1>	EW-83DII	83.5 × 77.4 mm (3.3" × 3.1")	550 g/19.4 oz.	LP1214
EF28mm f/1.8 USM	75°	46°	65°	9-10	22	0.18X/139 × 212 mm (5.5" × 8.3")	0.25 m/0.82 ft.	58 mm <1>	EW-63II	73.6 × 55.6 mm (2.9" × 2.2")	310 g/10.9 oz.	LP814
EF35mm f/1.4L USM	63°	38°	54°	9-11	22	0.18X/136 × 206 mm (5.4" × 8.1")	0.3 m/0.98 ft.	72 mm <1>	EW-78C	79 × 86 mm (3.1" × 3.4")	580 g/20.5 oz.	LP1214
EF50mm f/1.4 USM	46°	27°	40°	6-7	22	0.15X/164 × 249 mm (6.5" × 9.8")	0.45 m/1.48 ft.	58 mm <2>	ES-71II	73.8 × 50.5 mm (2.9" × 2.0")	290 g/10.2 oz.	LP1014
EF85mm f/1.8 USM	28°30'	16°	24°	7-9	22	0.13X/191 × 287 mm (7.5" × 11.3")	0.85 m/2.79 ft.	58 mm <1>	ET-65III	75 × 71.5 mm (3.0" × 2.8")	425 g/14.9 oz.	LP1014
EF100mm f/2 USM	24°	14°	20°	6-8	22	0.14X/175 × 262 mm (6.9" × 10.3")	0.9 m/2.95 ft.	58 mm <2>	ET-65III	75 × 73.5 mm (3.0" × 2.9")	460 g/16.1 oz.	LP1014
EF200mm f/2.8L USM	12°	7°	10°	7-9	32	0.16X/152 × 226 mm (6" × 8.9")	1.5 m/4.92 ft.	72 mm <2>	*2	83 × 136.2 mm (3.3" × 5.4")	790 g/27.7 oz.	LH-D18

*1 Built-in gelatine filter holder *2 Built-in