

Canon

Digital Cinema Lens

CN-E30-300mm T2.95-3.7L S

CN-E30-300mm T2.95-3.7 L SP

OPERATION MANUAL (BT1-B032-A)

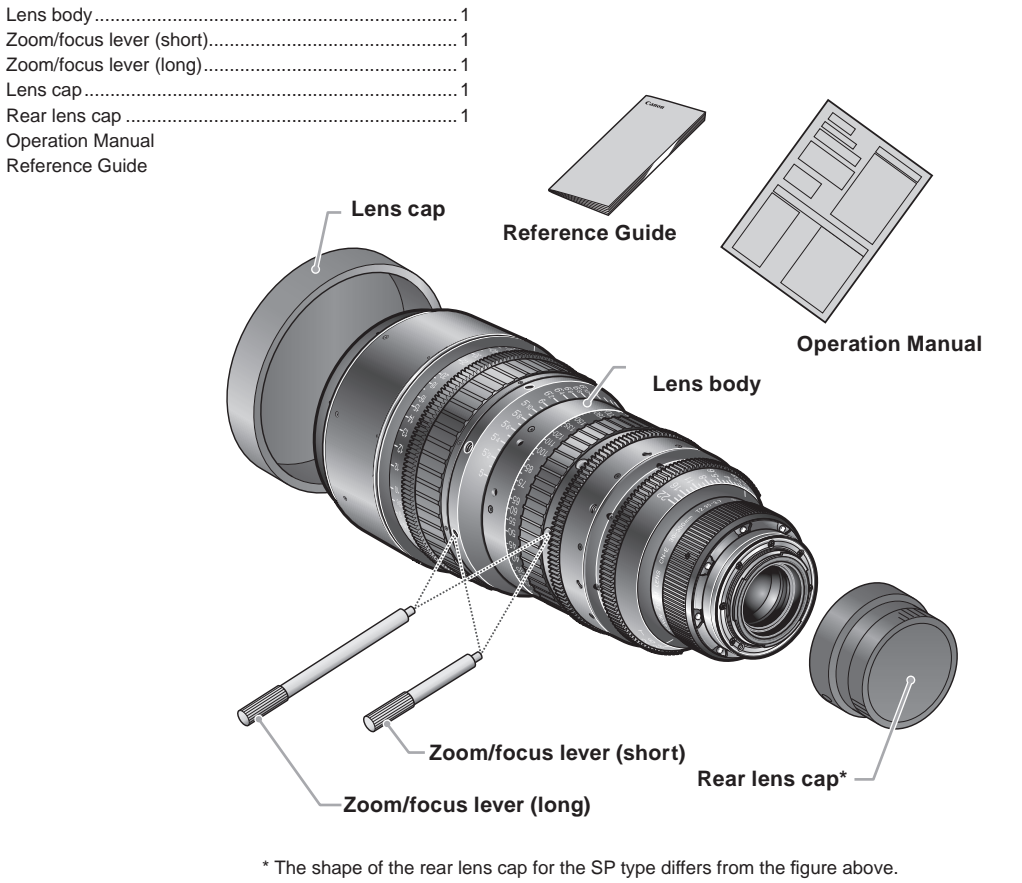
- ①

Read "GENERAL SAFETY INFORMATION" (back side) before using the product. The safety cautions must be observed.
- ②

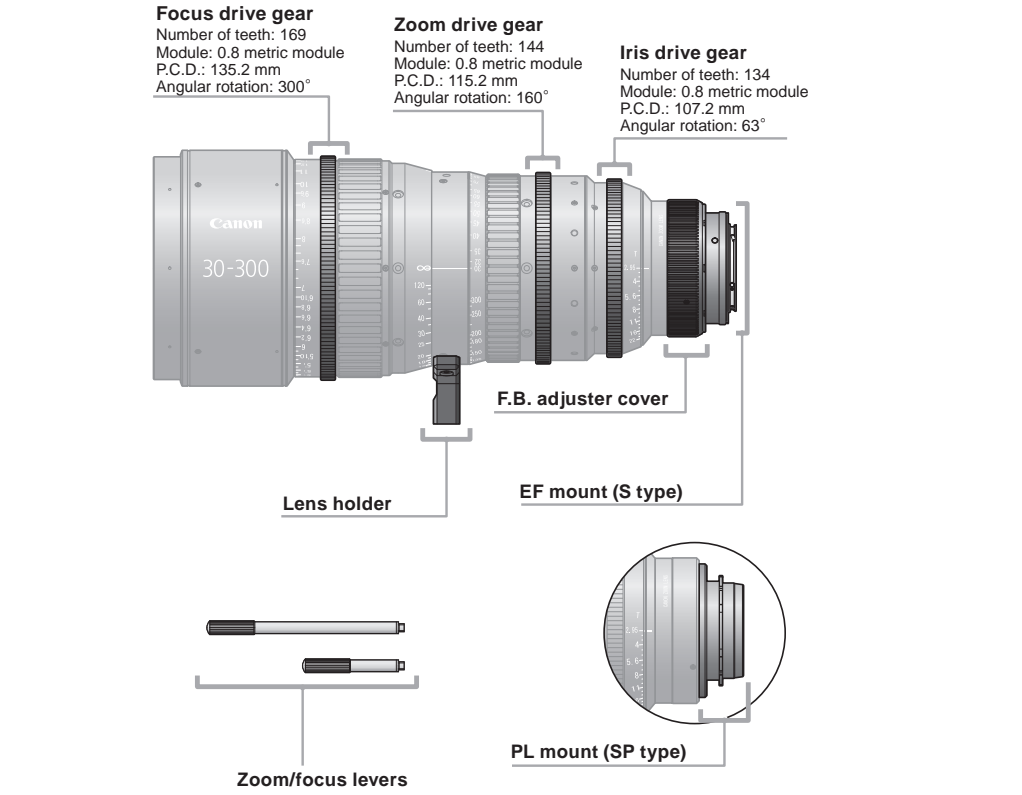
Read operation manual (this sheet) before using the product. Keep the manual in place for future reference.

Product Configuration

Two types of the CN-E30-300mm T2.95-3.7L are available for the positive lock mount (SP type) and the Canon EF mount (S type). Figures in this manual are for the S type lens unless otherwise mentioned.



Names of Parts



For purchasing other accessories than shown above, please contact your dealer or below.

Contact us.

Please contact us if you have questions on the products.

AMERICAS

CANADA

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F.B. (Back Focus) Adjustment

F.B. (back focus) of this lens can be adjusted in the following procedures. Before starting, select an object with sharp contrast at a distance\* that facilitates the adjustment work. \* Recommended object distance range: 6 to 12 ft.

- 1 Remove three screws and remove the F.B. adjuster cover.

Note

Be sure to keep the screws for later reattachment.

- 2 Mount the lens on the camera and turn two F.B. adjuster screws counterclockwise one revolution.

Note

1. Be sure to securely mount the lens on the camera mount.

2. Be sure not to remove the screws.

- 3 Turn the iris ring to set the iris to fully open (T2.95).

- 4 Turn the zoom ring to set the lens to the telephoto end, then turn the focus ring to bring the object into focus.

- 5 Turn the zoom ring to set the lens to the wide angle end, then turn the F.B. adjuster to bring the object into focus.

Note

Be sure not to move the focus ring at this time.

- 6 Repeat steps 4 and 5 two or three times.

- 7 Secure the F.B. adjuster and reattach the F.B. adjuster cover following the reverse procedure.

Available accessories

A variety of professional camera accessories are available using  $\phi$  19 mm rod adaptors.

- Note
1. Be sure to use the lens holder when mounting the lens on a camera. Be sure to avoid applying excessive weight to the lens mount when the lens is mounted on a lens support.

2. Mount the S type (EF mount) lens to the camera by following the steps below.

- 1 Attach the lens to the camera tightly so that both mounting surfaces are in complete contact.

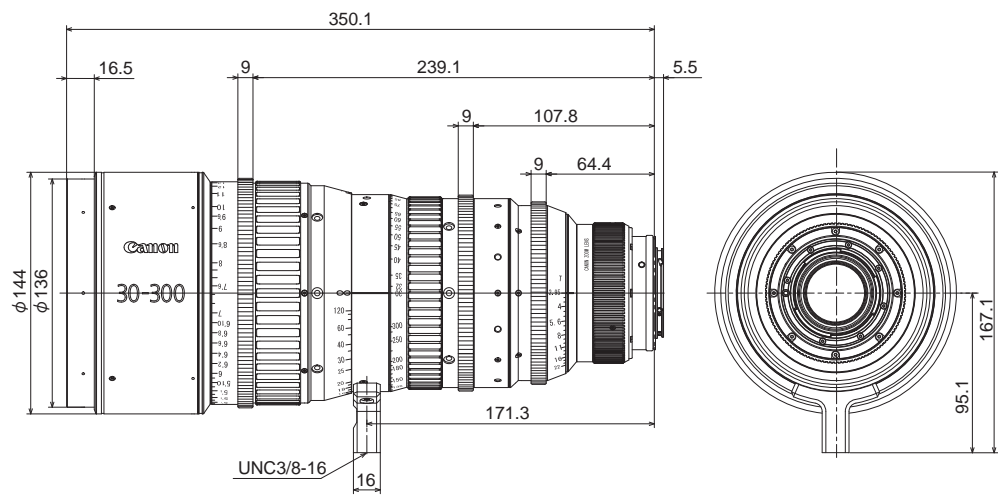
Refer to the operation manual for the respective camera for the detailed information.

- 2 Secure the lens holder on the lens support using the clamping screw supplied with the lens support.

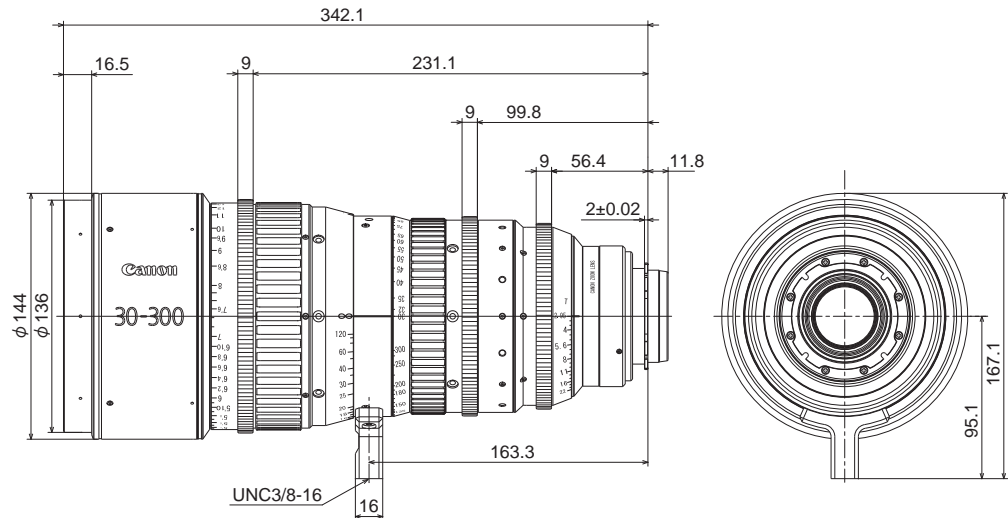
- 3 Push the lens toward the camera until both mounting surfaces are in complete contact and clamp the lens support to the rods.

Dimensions of parts

S type (EF mount)



SP type (PL mount)



Spur gear specifications

	Focus drive gear	Zoom drive gear	Iris drive gear
Number of teeth	169	144	134
Module	0.8 metric module	0.8 metric module	0.8 metric module
P.C.D.	135.2 mm	115.2 mm	107.2 mm
Angular rotation	300 degrees	160 degrees	63 degrees

Specifications

		CN-E30-300mm T2.95-3.7 L S	CN-E30-300mm T2.95-3.7 L SP
Lens Mount		Canon EF	PL
Focal Length		30 to 300 mm	
Maximum T-stop		T2.95 (f = 30 to 240) T3.7 (f = 300)	
Iris Blade		11 pieces	
Coverage	Super 35mm Image Circle / H x V (1.78:1)	$\phi$ 27.5 mm / 24.0 x 13.5 mm	
	Angular Field of View (H / V) at wide angle end	43.6 / 25.4 degrees	
Coverage	EOS C300 Image Circle / H x V (1.78:1)	$\phi$ 28.2 mm / 24.6 x 13.8 mm	
	Angular Field of View (H / V) at telephoto end	4.6 / 2.6 degrees	
Coverage	EOS C500 Image Circle / H x V (1.9:1)	$\phi$ 29.6 mm / 26.2 x 13.8 mm	
	Angular Field of View (H / V) at wide angle end	44.6 / 25.9 degrees	
Coverage	EOS C500 Image Circle / H x V (1.9:1)	$\phi$ 29.6 mm / 26.2 x 13.8 mm	
	Angular Field of View (H / V) at telephoto end	4.7 / 2.6 degrees	
Minimum Object Distance (M.O.D.)		1.5 m / (from the image sensor)	
Object Dimensions at M.O.D.	Super 35mm	98.8 x 55.6 cm at wide angle end 9.6 x 5.4 cm at telephoto end	
	EOS C300	101.3 x 56.8 cm at wide angle end 9.9 x 5.6 cm at telephoto end	
	EOS C500	107.9 x 56.8 cm at wide angle end 10.5 x 5.6 cm at telephoto end	
Focus Angular Rotation		300 degrees	
Zoom Angular Rotation		160 degrees	
Spur Gear Module		0.8 metric module	
Front Diameter		$\phi$ 136 mm	
Length		350.1 mm	342.1 mm
Weight		5.8 kg	

\* A variety of professional camera accessories compatible with the  $\phi$  19 mm rod system can be used with this lens.  
\* This lens is compatible with EOS cameras that have a Super 35mm or equivalent sensor, or an APS-C image sensor. The lens is not compatible with cameras that have a 35-mm full-size sensor or an APS-H sensor.

Reference Information

This lens is a full manual lens for shooting movies.

- This lens is developed primarily for movie production, and have a color balance typical for movies. This means that the color reproduction is warmer than that of EF lenses which are basically used to shoot still images. Therefore, when using both types of lens together, adjust the color balance (redo the white balance etc.) as necessary.
- In general, the depth of field becomes shallow and the focusing range becomes extremely narrow near the widest aperture and when shooting a subject at close range. In addition, this tendency increases for lenses with longer focal lengths. When shooting images, carefully check the focusing condition using the zoom mode of the finder or other means, and shoot a sufficient number of test images before performing focus operations.

GENERAL SAFETY INFORMATION

The safety warnings and cautions provided on the product or in this operation manual must be observed. Failure to observe these warnings and cautions may result in injury or accident. Read this operation manual carefully to familiarize yourself with its contents and ensure that you can operate the product properly.  
Also, store this manual in a safe place where it can easily be referenced whenever necessary.

This operation manual uses the following symbols and terms to identify hazards in order to prevent accidents.

	<b>WARNING</b>	This indicates a potentially hazardous situation which, if not heeded, may result in death or serious injury to you or others. Be sure to heed all warning notices to ensure safe operation at all times.
	<b>CAUTION</b>	This indicates a potentially hazardous situation which, if not heeded, may result in a minor injury to you or others, or damage to property.
	<b>NOTE</b>	This indicates cautions and recommendations for operation. It contains information which, if not heeded, may result in this product failing to function properly. These notices also contain useful information for operation.

HANDLING THE PRODUCT

WARNING

- Do not stare at the sun or other bright objects through the lens. It may injure your eyes.

CAUTION

- Ensure that all mountings are securely tightened. If a mounting becomes loose, parts may fall off and cause injury.
- Inspect mountings regularly (about every six months to one year) to ensure they are securely tightened. If a mounting becomes loose, parts may fall off and cause injury.

NOTE

- Do not expose the lens to strong impact. Striking or dropping the lens may cause the malfunction of the product.
- This product is not waterproof. Take measures to avoid direct contact with rain, snow, or moisture. Otherwise it may cause the malfunction of the product.
- Take measures to avoid sudden changes in temperature where the lens is used, which may prevent operation temporarily if condensation forms in the lens.

DEALING WITH ABNORMALITIES

WARNING

If any of the following situations occurs, immediately dismount the lens from the camera and contact Canon's representative or the dealer listed below.

- Smoke, fumes, or unusual noises
- Entry of foreign objects (such as liquid or metal objects) inside the product

MAINTENANCE AND INSPECTION

NOTE

- Clean off any dust on the lens surface using a lens blower or a soft lens brush. In case of getting fingerprints or stains on the lens, use a clean cotton cloth moistened with commercial lens cleaning fluid, or use lens cleaning paper. Gently wipe in a spiral pattern from the center of the lens. Be careful not to rub dust across the lens, which may scratch the lens surface.
- Routine inspection about once a year is recommended, depending on the conditions and environment of use. Request overhaul, if needed.

STORAGE

CAUTION

Always attach the lens cap, hood cap, dust cap or covers before storage. Storing the lens without the caps or covers attached poses a risk of fire if the lens concentrate light in direct sunlight.

NOTE

Immediately wipe off any moisture on the lens from misty or foggy environments, using a dry cloth. Seal the lens in a plastic bag with a desiccant (preferably new) to prevent moisture inside. Otherwise it may cause the mold or the malfunction of the product.

TO THE CUSTOMER

- Canon shall bear no responsibility for damage resulting from improper operation of this product by the customer.
- Canon shall make no guarantees about the product quality, functions, or operation manual and its marketability and suitability for the customer's purpose. Moreover, Canon shall bear no responsibility for any damage, direct or incidental, that results from usage for the customer's purpose.
- Canon shall make no guarantees about the results obtained using this product.
- The product specifications, configuration, and appearance are subject to change without prior notice.
- For further information on repairs, maintenance, or adjustments not mentioned in this operation manual, contact your Canon dealer or your Canon sales representative.
- Note that Canon may be unable to undertake servicing or repair of a product if it is modified without consulting Canon or your Canon sales representative.

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