

Canon

*BROADCASTING TV
ZOOM LENS ACCESSORY*

ZSD-300D

取 扱 説 明 書

OPERATION MANUAL

ご使用の前に必ずこの取扱説明書をお読みください。

なお、取扱説明書は必要に応じてご覧になれるよう大切に保管してください。

Read this operation manual before using the product.

Keep the manual safe so that it can be referenced when it is needed.

J/E

☐ ENGLISH VERSION ☐

FCC REGULATIONS

※ (NOTE): This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference, when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the operation manual, may cause harmful interference to radio communications. Operation to this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

- Use of shielded cable is required to comply with Class A limits in Subpart B of Part 15 of the FCC rules.

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

Canadian Radio Interference Regulations

This Class A digital apparatus meets all requirements of the Canadian Interference Causing Equipment Regulations.
Cet appareil numérique de la class A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.



We, Canon Inc., in Japan and Canon Europa N. V., in The Netherlands, confirm that the **ZSD-300** series zoom lens accessory is conformity with the essential requirements of EC Directive(s)

89/336/EEC, and 93/68/EEC

by applying the following standards

EN55103-1, and EN55103-02

Note:

- Applicable Electromagnetic Environment:
E1 (Residential area)
E2 (Commercial and light industrial area)
E3 (Urban outdoors area)
- Use of shielded cable is required to comply with limits specified by above standards.

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— MAJOR LENS TYPES EXPLAINED IN THIS MANUAL —

○The classifications for the lens types explained in this manual are shown below.
The "R" type and "A" type lenses require conversion cable CC-0820 and some functions are limited.

Lens models				
Type digital "R"	Type digital "A"	Type "R"	Type "A"	
KRSD	KASD	KRS	KAS	
IRSD	IASD	IRS	IAS	
WRSD	WASD	WRS	WAS	
VRSD	VASD	VRS	VAS	





GENERAL SAFETY INFORMATION

The safety warnings and cautions provided on the product or in this operation manual must be observed. Failure to observe warnings and cautions provided to guard against hazards 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 required.

This operation manual uses the following symbols and terms to identify hazards to protect you and others by aiming to prevent the occurrence of accidents.

 WARNING	Indicates hazardous situations which, if not heeded, may result in death or serious injury to you or other persons.
 CAUTION	Indicates hazardous situations which, if not heeded, may result in minor or moderate injury to you or other persons, or damages to your property.
※ (NOTE)	Emphasizes essential information which, if not heeded, may render the product unworkable or cause it to function improperly. Also, provides helpful information for you operation.



WARNING

1. Never allow water to enter or be spilled on the product. Immediately stop using the product if water enters the product. Otherwise, a fire or electric shock hazard may result.



CAUTION

1. Do not drop the product when transporting it or when attaching or detaching it to or from the camera head.
The product may fall, possibly causing injury.
2. Make sure all mountings are tightened securely. If any of these mountings becomes loose, the product may fall, possibly causing injury.
3. Always grasp the connector itself when connecting or disconnecting the connector cable. Pulling on the cable portion may result in damage to the cable, such as exposure or breakage of the conductors.
Power leaking from a damaged cable may present a fire or electric shock hazard.
4. Inspect all mountings periodically (about every 6 months to 1 year) to make sure they are securely tightened, and tighten any loose portions.
Otherwise, the product may fall, possibly causing injury.
5. If it becomes necessary to repair this product, or to perform any operations or adjustments not mentioned in this operation manual, contact Canon's representative or the dealer who originally supplied the lens.

※ (NOTE)

1. Protect the product from strong impacts of shocks. Striking or dropping the lens may result in a malfunction.
2. This product is not completely waterproof, so avoid exposing it directly to rain or snow. When the product must be used in rain or snow, provisions should be made to prevent the product from getting wet.
3. If the product is to be used in adverse environments, such as in a chemical laden atmosphere, consult with Canon's representative beforehand.

HANDLING THE PRODUCT

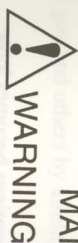
DEALING WITH ABNORMALITIES



1. Should any of the abnormalities described below occur, immediately unplug the lens cable from the camera, and then contact Canon's representative or the dealer from whom you purchased the product.

- Smoke, unusual smells or unusual noise.
- Entry of foreign objects (metals, liquids, etc.) inside the product.

MAINTENANCE AND INSPECTION



1. Unplug the lens cable and remove the lens from the camera, before attempting to clean the lens.

Never use flammable substances such as benzene or thinner for cleaning, as this may present a serious fire or electric shock hazard.

※ (NOTE)

1. Periodic inspection

A periodic inspection about once a year is recommended.

The inspection and maintenance interval depends on the operating conditions, the frequency of use, and the environment. If required, overhaul the lens.

STORAGE

※ (NOTE)

1. Moisture inside the product

If the product becomes damp because of use in fog, mist or drizzle, wipe off the moisture with a soft dry cloth and seal the product together with an efficient desiccant in a vinyl bag to remove moisture which has entered into the interior.

OTHER

All information contained in this operation manual, as well as the attached or supplemental materials regarding specifications, appearance, and/or product compositions, is subject to change without prior notice.

Repairing or modifying of this lens and accessories of making adjustments not mentioned in this operation manual require service manuals and training in some cases.

For further information on these adjustments, repairs or modifications, contact Canon's representative or the dealer from whom you purchased the lens.

Note that if a product is modified without consulting Canon Inc. or Canon's representative, we may be unable to service or repair that product.

Contact:

Broadcast Equipment Group

Canon Inc.

23-10 Kiyohara Kogyo Danchi,
Utsunomiya-shi, Tochigi-ken, 321-3298, Japan

TEL 81-(028) -667-5711

FAX 81-(028) -667-8672

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§ 1. CONFIGURATION

Make sure all of the following items are included in the packing box.

(If you find any item missing, please contact the dealer from whom you purchased this product.)

UNIT	Q'TY
SERVO ZOOM DEMAND < ZSD-300D >	1
CLAMP	1
OPERATION MANUAL	1
SEAL.....	1

※ (NOTE) : Storage environment

Check the following points, and make sure the place where the lens is stored satisfies the following conditions.

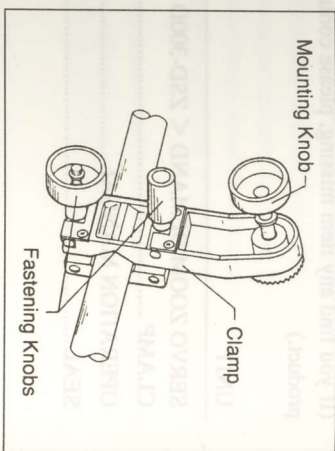
- 1) Store the lens only under the following ambient conditions.
 - Ambient temperature : -30℃ to 60℃
 - Ambient humidity : up to 60% RH (no condensation)
- 2) Do not subject the product to strong physical shocks or vibration.

§ 2. MOUNTING and CONNECTING

1. To mount the clamp

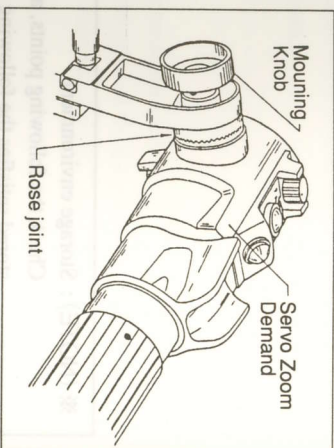
Loosen the large and small fastening knobs of the clamp provided with the flexible zoom control unit.

Mount this unit onto panning rod of the tripod, and tighten both fastening knobs to secure the clamp.



2. To mount the servo zoom demand

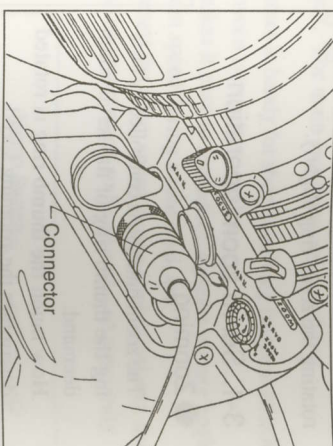
Mate the rose joint of the servo zoom demand with the rose joint of the clamp. Then tighten them with the mounting knob of the clamp by turning clockwise.



3. To connect the cable

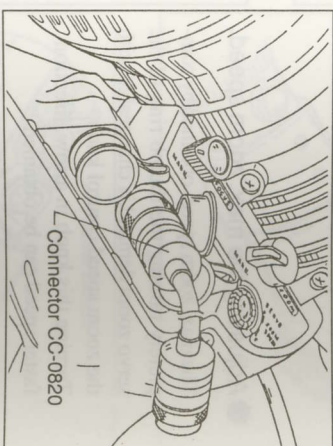
For digital "R" type and digital "A" type lenses

Connect the servo zoom demand cable to the zoom remote and focus remote connector (20-pin, normally covered by a cap) at the bottom of the lens drive unit. Connection may be made to either of these two connectors.



For the type "R" and type "A" lenses

Connect the connector (20-pin) of the servo zoom demand cable to the zoom remote connector (8-pin, normally covered by a cap) at the bottom of the lens drive unit via the CC-0820 conversion cable (provided separately).



§ 3. OPERATION

Set the zoom operation change-over knob at the bottom of the lens drive unit to the SERVO position. This setting operation can be performed more smoothly if the knob is moved while rotating the zoom ring slightly.

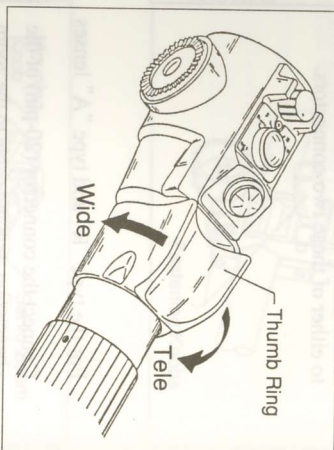
3-1. Servo zoom operation

● Zooming

The zoom function is controlled by turning the thumb ring of the servo zoom demand.

How much the thumb ring is rotated determines the zooming speed.

The zooming speed varies according to the rotation angle of thumb ring.

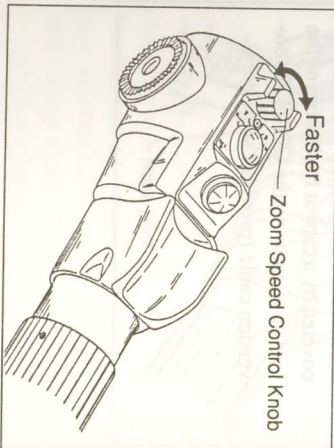


● Adjusting the max. zoom speed.

The max. zoom speed, obtained by completely turning the thumb ring of the servo zoom demand, is changeable with the zoom speed control knob.

Turning this knob in arrow direction, faster speed can be obtained.

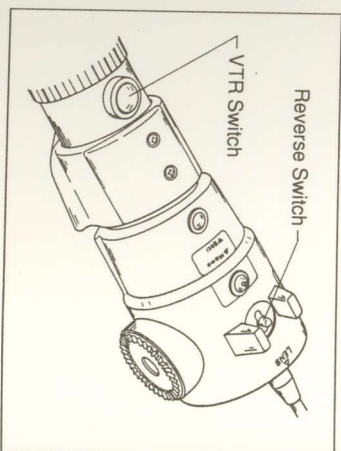
Turning this knob in reverse direction, lower speed can be obtained.



● To change the zooming direction

The thumb ring of the servo zoom demand is factory set to zoom in (telephoto), when it is pressed toward the right.

However, this zoom direction may be changed by switching the position of the reverse switch.

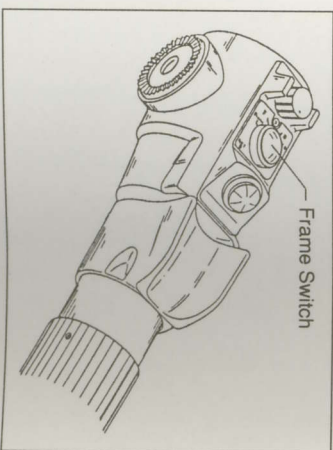
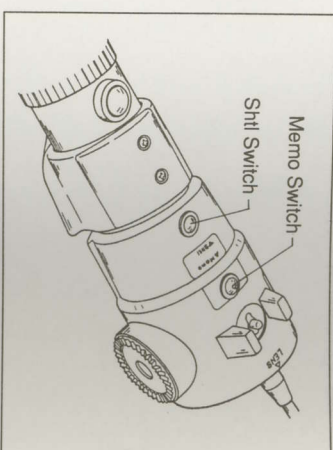


3-2 Applied servo zoom operations

These operations can be performed for the digital "R" type and digital "A" type lenses. The "Shl" switch, "Frame" switch and "Memo" switch on the zoom servo demand correspond to their counterparts on the lens itself. The main functions are as follows.

- Function 1. Shuttle shot This comes in handy for shots involving frequent switching between two picture angles.
- Function 2. Framing preset This makes it easy to reproduce a preset picture angle and zoom speed during a rehearsal, etc.
- Function 3. Speed preset This presets the zoom speed during a rehearsal, etc. and enables the preset speed to be reproduced repeatedly.

The "Shl" switch, "Frame" switch and "Memo" switch as well as the "VTR" switch and "RET" switch on the zoom servo demand which are used for these operations correspond to their counterparts on the lens unit. However, the DIP switches on the lens unit which are used to perform various settings must be set to their proper positions. For further details on operation and functions, refer to the lens unit's operation manual.



3-3. Return switch and VTR ON/OFF switch

One return switch and one VTR ON/OFF switch are installed on the servo zoom demand. These switches are equivalent to those on the lens drive unit.

While pressing the return switch, the external video picture sent to the camera head can be seen on the view-finder.

Press VTR ON/OFF switch to execute the operation of VTR and press again to stop the operation of VTR.

