

FUJIFILM

BL00005384-100

FUJINON LENS

GF32-90mmT3.5 PZ OIS WR

OWNER'S MANUAL

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日本語

ENGLISH

FRANÇAIS

DEUTSCH

ESPAÑOL

NEDERLANDS

SVENSKA

NORSK

SUOMI

РУССКИЙ

ITALIANO

DANSK

POLSKI

中文簡

中文繁體

한글

عربي

For Your Safety

**Be sure to read these notes
before use**

Safety Notes

Thank you for your purchase of this product. For repair, inspection, and internal testing, contact your Fujifilm dealer.

- Make sure that you use the lens correctly. Read these safety notes and the camera *Owner's Manual* carefully before use.
- After reading these safety notes, store them in a safe place.

About the Icons

The icons shown below are used in this document to indicate the severity of the injury or damage that can result if the information indicated by the icon is ignored and the product is used incorrectly as a result.



WARNING

This icon indicates that death or serious injury can result if the information is ignored.



CAUTION

This icon indicates that personal injury or material damage can result if the information is ignored.

The icons shown below are used to indicate the nature of the instructions which are to be observed.



Triangular icons tell you that this information requires attention ("Important").



Circular icons with a diagonal bar tell you that the action indicated is prohibited ("Prohibited").



Filled circles with an exclamation mark indicate an action that must be performed ("Required").



WARNING



*Do not use in
the bathroom
or shower*

Do not immerse in or expose to water.

Failure to observe this precaution can cause a fire or electric shock.



*Do not disas-
semble*

Do not disassemble (do not open the case).

Failure to observe this precaution can cause fire, electric shock, or injury due to product malfunction.



*Do not touch
internal
parts*

Should the case break open as the result of a fall or other accident, do not touch the exposed parts.

Failure to observe this precaution could result in electric shock or in injury from touching the damaged parts. Remove the camera battery immediately, taking care to avoid injury or electric shock, and take the product to the point of purchase for consultation.



Do not place on unstable surfaces. The product may fall, causing injury.



WARNING



Do not view the sun through the lens or camera viewfinders. Failure to observe this precaution can cause permanent visual impairment.



CAUTION



Do not use or store in locations that are exposed to steam, or smoke or are very humid or extremely dusty. Failure to observe this precaution can cause fire or electric shock.



Do not leave in direct sunlight or in locations subject to very high temperatures, such as in a closed vehicle on a sunny day. Failure to observe this precaution can cause fire.



Keep out of the reach of small children. This product could cause injury in the hands of a child.



Do not handle with wet hands. Failure to observe this precaution can cause electric shock.



CAUTION



Keep the sun out of the frame when shooting backlit subjects. Sunlight focused into the camera when the sun is in or close to the frame can cause fire or burns.



When the product is not in use, replace the lens caps and store out of direct sunlight. Sunlight focused by the lens can cause fire or burns.



Do not carry the camera or lens while they are attached to a tripod. The product can fall or strike other objects, causing injury.



Be sure to attach the lens securely to the support rod. Failure to do so may cause the lens or camera to fall. Dropping the lens and/or camera, especially when used at a high place, may cause a serious accident.

For Customers in the U.S.A.

**Tested To Comply With FCC Standards
FOR HOME OR OFFICE USE**

FCC Statement: 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.

CAUTION: 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.



- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
- You are cautioned that any changes or modifications not expressly approved in this manual could void the user's authority to operate the equipment.

Notes on the Grant: To comply with Part 15 of the FCC Rules, this product must be used with a Fujifilm-specified ferrite-core A/V cable, USB cable, and DC supply cord.

For Customers in Canada

CAN ICES-003 (B)/NMB-003(B)

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

IMPORTANT SAFETY INSTRUCTIONS

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water (excluding waterproof products).
- Clean only with a dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Disposal of Electrical and Electronic Equipment in Private Households

In the European Union, Norway, Iceland and Liechtenstein: This symbol on the product, or in the manual and in the warranty, and/or on its packaging indicates that this product shall not be treated as household waste. Instead it should be taken to an applicable collection point for the recycling of electrical and electronic equipment.



By ensuring this product is disposed of correctly, you will help prevent potential negative consequences to the environment and human health, which could otherwise be caused by inappropriate waste handling of this product.

The recycling of materials will help to conserve natural resources. For more detailed information about recycling this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

In Countries Outside the European Union, Norway, Iceland and Liechtenstein: If you wish to discard this product, including the batteries or accumulators, please contact your local authorities and ask for the correct way of disposal.

UK Importer:

FUJIFILM UK Ltd.

Fujifilm House, Whitbread Way, Bedford, Bedfordshire, MK42 0ZE, United Kingdom

EU Importer:

FUJIFILM Electronic Imaging Europe GmbH
Fujistrasse 1, 47533 Kleve, Germany

Australian RCM



Before Using This Product

The lens may not perform as expected and some features may not be available with outdated lens or camera firmware. Be sure to update the lens and camera firmware to the latest versions. Instructions on viewing firmware version information and updating firmware are available from the following website:

http://www.fujifilm.com/support/digital_cameras/software/#firmware

If you do not have access to a computer, support is available from the local distributor listed in the "FUJIFILM Worldwide Network" material provided with your camera.

Product Care

- When using a lens hood, do not pick up or hold the camera using only the hood.
- Keep the lens signal contacts clean.
- Use a blower to remove dust and lint from the

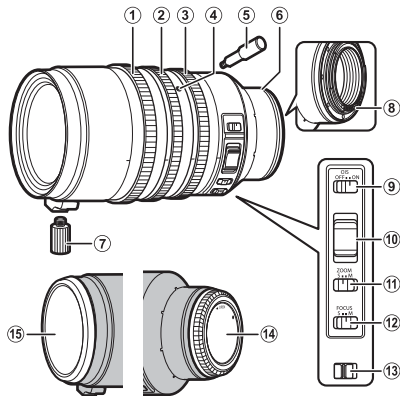
glass surfaces of the lens or filter. To remove smudges and fingerprints, apply a small amount of lens cleaner to a soft, clean cotton cloth or lens-cleaning tissue and clean from the center outwards using a circular motion, taking care not to leave smears or touch the glass with your fingers.

- Never use organic solvents such as paint thinner or benzene to clean the lens.
- Attach the front and rear caps when the lens is not in use.
- Store the lens and filter in cool, dry locations to prevent mold and rust. Do not store in direct sunlight or with naphtha or camphor moth balls.
- Keep the lens dry. Rusting can cause irreparable damage. Wipe off rain and water droplets.
- Leaving the lens in extremely hot locations could cause damage or warping.
- Note that depending on the positions of the camera and tripod, the hand holding the camera grip may contact the tripod or tripod collar foot when the camera is rotated.

- When attaching accessories such as an external motor, thoroughly inspect the joint parts for any abnormalities in shape or foreign objects. Be sure to remove any foreign objects that are present. If any abnormalities are observed in shape, consult your dealer.
- Sudden temperature changes may cause the lens to fog up or condensation to form on the surface of the lens. If these phenomena occur, leave the lens until the fogging or condensation disappears before use. Use of the lens with condensation may cause it to malfunction.

Parts of the Lens

GF32-90mmT3.5 PZ OIS WR



- ① Focus ring
- ② Zoom ring
- ③ Aperture (iris) ring
- ④ Zoom lever socket hole
- ⑤ Zoom lever
- ⑥ Mounting marks
- ⑦ Support foot
- ⑧ Lens signal contacts
- ⑨ O.I.S. switch
- ⑩ Zoom lever
- ⑪ Zoom mode switch
- ⑫ Focus mode switch
- ⑬ Aperture (iris) ring lock switch
- ⑭ Rear lens cap
- ⑮ Front lens cap

- ① The lens mount includes a rubber ring to ensure that the lens remains dust- and splash-proof. The ring can be replaced for a fee at any Fujifilm service center.

Supplied Accessories

- Front lens cap
- Rear lens cap
- Lens case
- Zoom lever
- Support foot

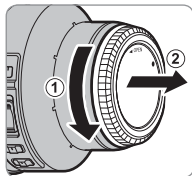
Attaching the Lens

See the camera manual for information on attaching and removing lenses.

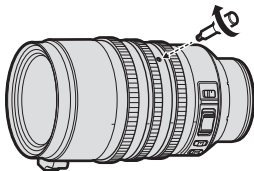
- ① This lens is for use exclusively with FUJIFILM G mounts and can not be used with X mounts.

Removing the Caps

Remove the caps as shown.



Attaching the Zoom Lever

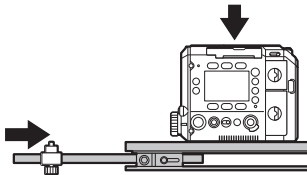


Attaching to the Support Rod

To protect the lens and camera mount, we recommend that you use a commercially available bridge plate and lens support to support the lens.

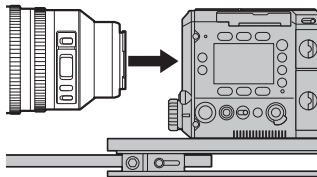
- ① Be sure to attach the lens securely to the support rod. Failure to do so may cause the lens or camera to fall. Dropping the lens and/or camera, especially when used at a high place, may cause a serious accident.

1 Attach the camera and lens support to the bridge plate.

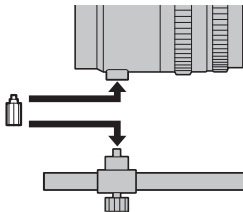


- ◆ For instructions on how to attach, refer to the instruction manuals for the bridge plate and lens support.

2 Attach the lens to the camera mount.



- 3** While supporting the lens with your hand, adjust the height and position of the lens support to secure the bracket and lens support. If the lens support is not high enough, place the support foot between the lens support and the bracket.



- ① Be sure to adjust the height and position of the lens support carefully to avoid applying excessive force to the camera and lens mount. Failure to do so may result in damage to the lens or camera mount.
- ① Be sure to secure the lens support and bracket before use. Failure to do so may result in damage to the lens or camera mount.

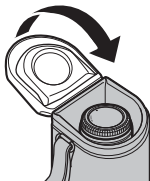
Using the Lens Case

- 1 Place the lens in the lens case in the orientation shown in the illustration.



- ① Be sure to attach the lens caps before putting the lens in the case.
- ① Fit the assembly into the hollows inside the case.

- 2 Close the lid of the lens case.

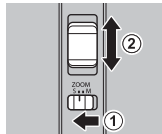


Zoom

Use the zoom lever or the zoom ring to control the zoom.

The Zoom Lever

Slide the zoom mode switch to **S** (①) and slide the zoom lever (②) to activate power zoom while sliding. The zoom speed changes depending on the amount of sliding.



The Zoom Ring

Slide the zoom mode switch to **M** and rotate the zoom ring to control the zoom.

Aperture

Aperture (Iris) Ring

Rotate the lens aperture (iris) ring to choose the aperture (T-number).

- ① **C** (C): Set aperture to the value chosen with the camera multi-function dial.
- ② **A** (A): Set aperture to the value chosen automatically by the camera.
- ③ **Other values** (22): Set aperture to the selected value.

Aperture (Iris) Ring Lock Switch

The aperture (iris) ring can be locked when the aperture (iris) ring is set to the C or A position.

Focus

Slide the focus mode switch to **S** to shoot with autofocus. Slide the focus mode switch to **M** to shoot with manual focus.

- ◆ When the focus mode switch is set to **S**, the distance shown by the camera focus distance indicator ("distance indicator") differs from the actual focus distance.
- ◆ Even if the camera is set to autofocus, you can shoot with manual focus by setting the lens to **M**.

Optical Image Stabilization (OIS)

To use optical image stabilization, slide the O.I.S. switch to **ON**.



Specifications

Type	GF32-90mmT3.5 PZ OIS WR	
Lens construction	25 elements in 19 groups (3 aspherical elements)	
Image size	43.8 × 32.9 mm	
Focal length (35 mm format equivalent)	f=32–90 mm (25–71 mm)	
Angle of view	81.0°–33.8°	
Max. aperture	T3.5	
Min. aperture	T32	
Aperture control		
Number of blades	13 (rounded diaphragm opening)	
Focus range (measured from focal plane)	W: 0.8 m–infinity	T: 0.8 m–infinity
Max. magnification	W: 0.06×	
External dimensions: Diameter (front diameter) × Length* (approx.)	Ø123.5 (Ø114) × 222.5 mm	
* distance from front of lens to lens mount flange		
Weight* (approx.)	2140 g	
* excluding caps		
Filter size	Ø111 mm	

① Improvements may result in unannounced changes to specifications and appearance.

① Owing to how this lens is constructed, the "Distance indicator" displayed by the camera may in some cases differ from the actual focus distance. Use the "Distance indicator" as a guide only.

◆ This lens uses linear motors to ensure fast and accurate auto focus while maintaining the highest image quality. When the camera is turned off, the lens is disconnected from the camera body, or the playback feature is turned on, there may be an audible sound and slight physical vibration due to the linear motor's magnets being disengaged. This is perfectly normal and will not negatively affect image quality or lens performance.

Outline Drawing

(UNLESS OTHERWISE SPECIFIED UNIT):mm

