

## Operating Instructions INTERCHANGEABLE LENS FOR DIGITAL CAMERA

### Manuel d'utilisation OBJETIF INTERCHANGEABLE POUR APPAREIL PHOTO NUMÉRIQUE

### Bedienungsanleitung WECHSELOBJEKTIV FÜR DIGITAL-KAMERA

### Instrucciones de funcionamiento ÓPTICA INTERCAMBIABLE PARA CÁMARA DIGITAL

### Istruzioni per l'uso LENTI INTERCAMBIABILI PER FOTOCAMERA DIGITALE

Manufactured by:  
Panasonic Entertainment & Communication Co., Ltd.  
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## 使用説明書 數位相機用可替換鏡頭

### Инструкция по эксплуатации СМЕННЫЙ ОБЪЕКТИВ ДЛЯ ЦИФРОВОЙ ФОТОКАМЕРЫ

Model No./Modèle/Model Nr./Modelo N./  
Modello N./型番/モデル №

### S-R28200



### ENGLISH

Thank you for purchasing Panasonic product.  
Please read these instructions carefully before using this product, and save this manual in a safe place.  
This lens can be attached to use a digital camera that complies with the Leica Camera AG-L-Mount standard.  
It is compatible with a 35 mm full-frame image sensor.  
For another recording, we recommend updating the firmware of the digital camera and the lens.  
For the latest information on the firmware or to download/update the firmware, visit the following support website:  
<https://panasonic.jp/support/global/cs/dsc/> (English only)

• L-Mount is a trademark or registered trademark of Leica Camera AG.  
• Other names, company names, product names mentioned in this document are trademarks or registered trademarks of the companies concerned.  
• The appearance and specifications of products described in this document may differ from the actual products you have purchased due to later enhancements.

### Information for Your Safety

Keep the unit as far away as possible from electromagnetic equipment (such as microwave ovens, TVs, video games, radio transmitters, high-voltage lines etc.).  
Do not use the camera near cell phones because doing so may result in noise adversely affecting the pictures and sound.  
If the camera is adversely affected by electromagnetic equipment and stops functioning properly, turn the camera off and remove the battery and/or the connected AC adaptor. Then reinsert the battery and/or reconnect the AC adaptor and turn the camera on.

### Disposal of Old Equipment Only for European Union and countries with recycling systems

This symbol on the products, packaging, and/or accompanying documents means that used electrical and electronic products must not be mixed with general household waste.  
For proper treatment, recovery and recycling of old products, please take them to an applicable collection points in accordance with your national legislation.  
The disposal of used electrical and electronic products through valuable resources and prevent any potential negative effects on human health and the environment.  
For more information about collection and recycling, please contact your local authority.  
Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

### Precautions

■ **Handling of the lens**  
• When using this lens, take care not to drop, bump, or apply undue force to it. Doing so may cause malfunction or damage to this lens and the digital camera.  
• Images may be affected by dust, dirt, and soiling (water, oil, fingerprints, etc.) on the lens surface. Before and after recording, use a blower to blow off dust and dirt from the surface of the lens, then lightly wipe with a soft dry cloth to remove soiling.  
• When the lens is not in use, be sure to attach the lens cap and lens rear cap to prevent dust and other particles from accumulating on or entering the lens.  
• To protect the lens contact points (C), do not do the following. These may cause malfunction. (See illustration A.)  
– Touch the lens contact points.  
– Allow the lens contact points to become dirty.  
– Place the lens with its mount surface facing down.

■ **Attaching the lens hood** (See illustration 2/3)  
Hold the lens hood with your fingers placed as shown in the picture.  
Do not hold the lens hood in a way that twists or bends it.  
1 Align mark (A) (□) on the lens hood with the mark on the tip of the lens.  
2 Rotate the lens hood in the direction of the arrow to align mark (B) (○) on the lens hood with the mark on the tip of the lens.  
• Attach the lens hood by rotating it until it clicks.

■ **Removing the lens hood** (See illustration 4/4)  
While pressing the lens hood button (D), rotate the lens hood in the direction of the arrow and then remove it.  
• Note  
When carrying, the lens hood can be attached in the reverse direction. (See illustration 5/5).  
1 Align mark (A) (□) on the lens hood with the mark on the tip of the lens.  
2 Attach the lens hood by rotating it in the direction of the arrow until it clicks.  
It is recommended to remove the lens hood during flash photography as the lens hood can block the light from the flash.  
To prevent drooping of the lens, you should never carry the lens by just holding the lens hood.

For the purpose of recycling to facilitate effective utilization of resources, please return this product to a nearby authorized collection center, registered dismantler/recycler, or Panasonic service center when disposing of this product.  
Customer care number (Toll free) : 1800 103 1333, 1800 108 1333  
Please see the Panasonic website for further information on collection centers, etc. or call the customer care toll-free number.  
<https://www.panasonic.com/in/corporate/e-waste-management.html>

No.	Do's	Do's & Don'ts	Don'ts
1	All electrical and electronic products are required to be handled over only to the Authorized recycler.	The product should not be opened by the user himself/herself, but only by authorized service personnel.	
2	The product should be handed over only to authorized recycler for disposal.	The product is not meant for re-sale to any unauthorized agencies / scrap dealers / kabartawalas.	
3	Keep the product in an isolated area, after it becomes non-functional / unrepairable so as to prevent its accidental breakage.	The product is not meant for mixing into household waste stream.	
4	Refer to Operating Instructions for handling of end of life products	Do not keep any replaced spare part(s) from the product in an exposed area.	Do not donate old electronic items to anybody. Do not dispose of your product in garbage bins along with municipal waste that ultimately reaches landfill.
5	Always dispose of products that have reached end of life at Panasonic Life Solutions India Authorized Service Centre.	Do not give e-waste to informal and unorganized sectors like Local Scrap Dealers / Rag Pickers.	
6	Wherever possible or as instructed, separate the packaging material according to responsible waste disposal options and sorting for recycling.		

■ **Dust and splash resistant**  
• **Splash Resistant and Dust Resistant are terms used to describe an extra level of protection this lens offers against exposure to a minimal amount of moisture, water or dust. These terms do not guarantee that damage will not occur if this lens is subjected to direct contact with water or dust infiltration.**  
Take the following precautions to provide satisfactory dust and splash resistant performance. If the lens is not working properly, consult the dealer or Panasonic.  
– Attach to a digital camera that is dust and splash resistant.  
– When attaching or removing the lens, be careful so that foreign objects such as sand, dust, and water droplets do not adhere to or enter the lens mount rubber, contact points, digital camera and lens.  
– If the lens is exposed to water droplets or other liquids, wipe them off with a soft, dry cloth.  
• To improve the dust and splash resistant performance of the lens, a lens mount rubber is used in the mount.  
– The lens mount rubber will leave scuff marks on the digital camera mount, but this does not impact performance.  
– For information on changing the lens mount rubber, contact Panasonic.  
■ **Condensation (when the lens is fogged up)**  
• Condensation occurs when the ambient temperature or humidity changes. Please be careful, as it may cause lens stains, mold and malfunction.  
• If condensation occurs, turn off the digital camera and leave it for approx. 2 hours. The fog will disappear naturally when the temperature of the digital camera becomes close to the ambient temperature.

■ **Supplied Accessories**  
Check that all the accessories are supplied before using the product. Product numbers correct as of February 2024. These may be subject to change.  
1 Lens hood  
2 Lens cap\*  
3 Lens rear cap\*  
\* Fitted to the lens at the time of purchase.

■ **Names and Functions of Components**  
1 Lens surface  
2 Focus ring  
Rotates the focus ring to focus when set to MF (Manual Focus). You can set the amount of movement for focusing using the focus ring with the menu in compatible digital cameras. Refer to the operating instructions for the digital camera for details.  
3 Zoom ring  
Zooms to telephoto or wide-angle.  
4 O.I.S. switch  
The stabilizer function is set to activate if the O.I.S. switch is set to [ON]. We recommend setting the O.I.S. switch to [OFF] when using a tripod.  
5 AF/MF switch  
Switches between AF (Auto Focus) and MF (Manual Focus).  
• When the digital camera is set to MF, the operation will be MF irrespective of the setting on the AF/MF switch.

6 Contact points  
7 Lens mount rubber  
8 Lens fitting mark

■ **Note**  
• Recording at or near the closest focusing distance at wide angle will degrade image quality around the edges of the image.  
Focus again.  
• We recommend checking each picture after you have taken it when recording.  
• There may be differences in focus when you zoom after focusing.  
• While shooting video, in some situations, AF operation and stabilizer operation of the lens may be heard. It is recommended to record as follows:  
– Set to MF to record  
– Turn off the image stabilizer and use a tripod for recording

■ **Attaching the Lens**  
For information on how to attach the lens, refer to the operating instructions for your digital camera.  
• Attach the lens after turning off the digital camera.  
• Attach the lens after removing the lens rear cap. (See illustration 1/1)  
After removing the lens from the digital camera, be sure to attach the lens cap and lens rear cap to prevent dust and other particles from accumulating on or entering the lens.

■ **Attaching the lens hood** (See illustration 2/3)  
Hold the lens hood with your fingers placed as shown in the picture.  
Do not hold the lens hood in a way that twists or bends it.  
1 Align mark (A) (□) on the lens hood with the mark on the tip of the lens.  
2 Rotate the lens hood in the direction of the arrow to align mark (B) (○) on the lens hood with the mark on the tip of the lens.  
• Attach the lens hood by rotating it until it clicks.

■ **Removing the lens hood** (See illustration 4/4)  
While pressing the lens hood button (D), rotate the lens hood in the direction of the arrow and then remove it.  
• Note  
When carrying, the lens hood can be attached in the reverse direction. (See illustration 5/5).  
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It is recommended to remove the lens hood during flash photography as the lens hood can block the light from the flash.  
To prevent drooping of the lens, you should never carry the lens by just holding the lens hood.

■ **Notes on filter use**  
• It is possible to attach the lens cap or the lens hood with the filter already attached.  
• There may be some vignetting in recorded images if multiple filters are attached simultaneously.  
• It is not possible to attach any items other than filters such as a conversion lens or adaptor to the front of the lens and use it in combination with this lens. Lens damage may result if such items are attached.

■ **Cautions for Use**  
• Do not spray the lens with insecticides or volatile chemicals.  
– If such substances get onto the lens they can damage the exterior case or cause the paint to peel.  
• Do not point the lens at the sun or other strong light sources.  
– This may cause the lens to collect an excessive amount of light, resulting in fire or damage to the lens.  
• Do not use while directly touching the lens at low temperatures for a long period of time.  
– In cold places (environments below 0 °C (32 °F), such as ski slopes), prolonged direct contact with the lens may cause skin injury. Use gloves or similar when using the lens for long periods.  
• When cleaning, wipe lightly using a soft dry cloth that does not produce dust.  
– Do not use solvents such as benzine, thinner, alcohol, kitchen cleansers, etc., as this may cause problems such as deformation of the casing or peeling of the coating.  
– Do not use wipes with chemicals.  
• Do not keep products made of rubber, PVC or similar materials in contact with the lens for a long period of time.  
• Do not disassemble or alter this product.  
• When the lens is not going to be used for a prolonged period, we recommend storing with a desiccant (silica gel).  
• Check all the parts before recording when you have not used the lens for a long period of time.  
• Avoid using or storing the lens in any of the following locations as they may cause problem of operation or malfunctioning.  
– In direct sunlight or on a beach in summer.  
– In locations with high temperatures and humidity levels or severe changes in temperature and humidity  
– In sandy or dusty locations  
– Where there is fire  
– Near heaters, air conditioners or humidifiers  
– Where water may make the lens wet  
– Where there is vibration  
– Inside a vehicle  
• Refer also to the operating instructions for the digital camera.

■ **Recycling**  
Check that all the accessories are supplied before using the product. Product numbers correct as of February 2024. These may be subject to change.  
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4 O.I.S. switch  
The stabilizer function is set to activate if the O.I.S. switch is set to [ON]. We recommend setting the O.I.S. switch to [OFF] when using a tripod.  
5 AF/MF switch  
Switches between AF (Auto Focus) and MF (Manual Focus).  
• When the digital camera is set to MF, the operation will be MF irrespective of the setting on the AF/MF switch.

6 Contact points  
7 Lens mount rubber  
8 Lens fitting mark

■ **Note**  
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– Near heaters, air conditioners or humidifiers  
– Where water may make the lens wet  
– Where there is vibration  
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• Attach the lens hood by rotating it until it clicks.

■ **Removing the lens hood** (See illustration 4/4)  
While pressing the lens hood button (D), rotate the lens hood in the direction of the arrow and then remove it.  
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• Attach the lens hood by rotating it until it clicks.

■ **Removing the lens hood** (See illustration 4/4)  
While pressing the lens hood button (D), rotate the lens hood in the direction of the arrow and then remove it.  
• Note  
When carrying, the lens hood can be attached in the reverse direction. (See illustration 5/5).  
1 Align mark (A) (□) on the lens hood with the mark on the tip of the lens.  
2 Attach the lens hood by rotating it in the direction of the arrow until it clicks.  
It is recommended to remove the lens hood during flash photography as the lens hood can block the light from the flash.  
To prevent drooping of the lens, you should never carry the lens by just holding the lens hood.

■ **Attaching the lens hood** (See illustration 2/3)  
Hold the lens hood with your fingers placed as shown in the picture.  
Do not hold the lens hood in a way that twists or bends it.  
1 Align mark (A) (□) on the lens hood with the mark on the tip of the lens.  
2 Rotate the lens hood in the direction of the arrow to align mark (B) (○) on the lens hood with the mark on the tip of the lens.  
• Attach the lens hood by rotating it until it clicks.

■ **Notes on filter use**  
• It is possible to attach the lens cap or the lens hood with the filter already attached.  
• There may be some vignetting in recorded images if multiple filters are attached simultaneously.  
• It is not possible to attach any items other than filters such as a conversion lens or adaptor to the front of the lens and use it in combination with this lens. Lens damage may result if such items are attached.

■ **Cautions for Use**  
• Do not spray the lens with insecticides or volatile chemicals.  
– If such substances get onto the lens they can damage the exterior case or cause the paint to peel.  
• Do not point the lens at the sun or other strong light sources.  
– This may cause the lens to collect an excessive amount of light, resulting in fire or damage to the lens.  
• Do not use while directly touching the lens at low temperatures for a long period of time.  
– In cold places (environments below 0 °C (32 °F), such as ski slopes), prolonged direct contact with the lens may cause skin injury. Use gloves or similar when using the lens for long periods.  
• When cleaning, wipe lightly using a soft dry cloth that does not produce dust.  
– Do not use solvents such as benzine, thinner, alcohol, kitchen cleansers, etc., as this may cause problems such as deformation of the casing or peeling of the coating.  
– Do not use wipes with chemicals.  
• Do not keep products made of rubber, PVC or similar materials in contact with the lens for a long period of time.  
• Do not disassemble or alter this product.  
• When the lens is not going to be used for a prolonged period, we recommend storing with a desiccant (silica gel).  
• Check all the parts before recording when you have not used the lens for a long period of time.  
• Avoid using or storing the lens in any of the following locations as they may cause problem of operation or malfunctioning.  
– In direct sunlight or on a beach in summer.  
– In locations with high temperatures and humidity levels or severe changes in temperature and humidity  
– In sandy or dusty locations  
– Where there is fire  
– Near heaters, air conditioners or humidifiers  
– Where water may make the lens wet  
– Where there is vibration  
– Inside a vehicle  
• Refer also to the operating instructions for the digital camera.

■ **Recycling**  
Check that all the accessories are supplied before using the product. Product numbers correct as of February 2024. These may be subject to change.  
1 Lens hood  
2 Lens cap\*  
3 Lens rear cap\*  
\* Fitted to the lens at the time of purchase.

■ **Names and Functions of Components**  
1 Lens surface  
2 Focus ring  
Rotates the focus ring to focus when set to MF (Manual Focus). You can set the amount of movement for focusing using the focus ring with the menu in compatible digital cameras. Refer to the operating instructions for the digital camera for details.  
3 Zoom ring  
Zooms to telephoto or wide-angle.  
4 O.I.S. switch  
The stabilizer function is set to activate if the O.I.S. switch is set to [ON]. We recommend setting the O.I.S. switch to [OFF] when using a tripod.  
5 AF/MF switch  
Switches between AF (Auto Focus) and MF (Manual Focus).  
• When the digital camera is set to MF, the operation will be MF irrespective of the setting on the AF/MF switch.

6 Contact points  
7 Lens mount rubber  
8 Lens fitting mark

■ **Note**  
• Recording at or near the closest focusing distance at wide angle will degrade image quality around the edges of the image.  
Focus again.  
• We recommend checking each picture after you have taken it when recording.  
• There may be differences in focus when you zoom after focusing.  
• While shooting video, in some situations, AF operation and stabilizer operation of the lens may be heard. It is recommended to record as follows:  
– Set to MF to record  
– Turn off the image stabilizer and use a tripod for recording

■ **Attaching the Lens**  
For information on how to attach the lens, refer to the operating instructions for your digital camera.  
• Attach the lens after turning off the digital camera.  
• Attach the lens after removing the lens rear cap. (See illustration 1/1)  
After removing the lens from the digital camera, be sure to attach the lens cap and lens rear cap to prevent dust and other particles from accumulating on or entering the lens.

■ **Attaching the lens hood** (See illustration 2/3)  
Hold the lens hood with your fingers placed as shown in the picture.  
Do not hold the lens hood in a way that twists or bends it.  
1 Align mark (A) (□) on the lens hood with the mark on the tip of the lens.  
2 Rotate the lens hood in the direction of the arrow to align mark (B) (○) on the lens hood with the mark on the tip of the lens.  
• Attach the lens hood by rotating it until it clicks.

■ **Removing the lens hood** (See illustration 4/4)  
While pressing the lens hood button (D), rotate the lens hood in the direction of the arrow and then remove it.  
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