

Operating Instructions INTERCHANGEABLE LENS FOR DIGITAL CAMERA

Manuel d'utilisation

OBJECTIF INTERCHANGEABLE POUR APPAREIL PHOTO NUMÉRIQUE

Bedienungsanleitung WECHSELOBJEKTIV FÜR DIGITAL-KAMERA

Istruzioni per il funzionaio ÓPTICA INTERCAMBIABLE PARA CÁMARA DIGITAL

Istruzioni per l'uso LENTI INTERCAMBIABILI PER FOTOCAMERA DIGITALE

使用説明書

數位相機可用替換鏡頭

Инструкция по эксплуатации сменный объектив для цифровой фотокамеры

СМЕННЫЙ ОБЪЕКТИВ ДЛЯ ЦИФРОВОЙ ФОТОКАМЕРЫ

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ENGLISH

Thank you for purchasing Panasonic product. Please read these instructions carefully before using this product, and save this manual for future use.

This lens can be attached to use to 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 smoother recording, we recommend updating the firmware of the digital camera/lens to the latest version.
- 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)
- You cannot record with the lens if the lens barrel is stored. Extend it in order to use it.**
- For details, visit the following support website: <https://panasonic.jp/support/global/cs/dsc/connect/index.html> (English only)

- L-Mount is a trademark or registered trademark of Leica Camera AG. Other names, company 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.

If you see this symbol-

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

This symbol on the products, packaging, and/or electronic 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 applicable collection points in accordance with your national legislation. By disposing of them correctly, you will help to save 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.
- Finger marks 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 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 (1), 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.

Dust and splash resistant

- Splash Resistant and Dust Resistant are terms used to describe an extra level of protection that 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 lens, or the 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 cap is included with the lens.
 - 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.

Panasonic Entertainment & Communication Co., Ltd.

Web Site/Site Web : <http://www.panasonic.com>

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[India Only]

Information on hazardous constituents as specified in sub-rule1 of rule16 in electrical and electronic equipment.

Declaration of Conformity with the requirements of the E-Waste (Management) Amendment Rules, 2023 with the sub-rule1 of rule16 limits with respect to Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls, Polybrominated diphenyl ethers.

The content of hazardous substance with the exemption of the applications listed in SCHEDULE II of the E-Waste (Management) Second Amendment Rules, 2023:

- Lead (Pb) – not over 0.1% by weight.
- Cadmium (Cd) – not over 0.01% by weight.
- Mercury (Hg) – not over 0.1% by weight.
- Hexavalent chromium (Cr6+) – not over 0.1% by weight.
- Polybrominated biphenyls (PBBs) – not over 0.1% by weight.
- Polybrominated diphenyl ethers (PBDEs) – not over 0.1% by weight.

For the purpose of recycling to facilitate effective utilization of resources, please return this product to a nearby authorized collection center, registered dismantler or recycler, or Panasonic service center when disposing of this product.

Customer care number (Toll free) : 080-6984-1333

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
1	All electrical and electronic products are required to be handed 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.	
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.
5	Always dispose of products that have reached end of life at Panasonic Life Solutions India Authorized Service Centre.	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.
6	Wherever possible or as instructed, separate the packaging material according to responsible waste disposal options and sorting for recycling.	Do not give e-waste to informal and unorganized sectors like Local Scrap Dealers / Rag Pickers.

Supplied Accessories

Check that all the accessories are supplied before using the product. Product numbers correct as of October 2024. These may be subject to change.

1 Lens cap*

2 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 from set to MF (Manual Focus). You can set the amount of movement of the focusing using ring with the menus in compatible digital cameras. Refer to the operating instructions for the digital camera for details.

3 Zoom ring

Rotate the zoom ring to zoom to telephoto or wide-angle.

- * Extend the lens before recording.

4 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.

5 Contact points

6 Lens mount rubber

7 Lens lifting mark

Note

- Recording at or near the closest focusing distance at wide angle will degrade image quality around the edges of the image. We recommend checking each picture after you have taken it when recording.
- There may be differences in focus when you use zoom after focusing. Focus again.
- While shooting video, in some situations, AF operation of the lens may be hard. In such situations changing to MF will improve this situation.
- There may be some vignetting at the edges of the screen when recording at a wide angle using the flash. We recommend using the wide panel on an external flash to solve the vignetting issue.

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](#))
- 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.
- Attach and remove the lens only when the lens barrel is retracted.

How to Extend the Lens (See illustration [2](#))

Rotate the zoom ring in the direction of arrow [A](#) from position [A](#) (the lens is retracted) to position [B](#) (18 mm to 40 mm) to extend the lens.

(b) Ready for recording

- When the lens barrel is retracted, images cannot be recorded.

How to Retract the Lens (See illustration [2](#))

Rotate the zoom ring in the direction of arrow [A](#) from position [B](#) (18 mm to 40 mm) to position [A](#) to retract the lens.

(a) Lens retracted

- At the 18 mm position, you will feel a click. Keep rotating to the [A](#) position.
- When you are not recording images, we recommend that you retract the lens.

Notes on filter use

- It is possible to attach the lens cap 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 gel 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 and malfunction.

Do not use while directly touching the lens at low temperatures for a long period

- In cold places (environments below 0 °C (32 °F), such as ski slopes), gloves directed 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, thinners, alcohol, kitchen cleaners, etc. as this can 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 the 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 this may cause problems in 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 conditioning or humidifiers
 - Where there may make the lens wet
 - Where there is vibration
 - Inside a vehicle
- * Refer also to the operating instructions for the digital camera.

Troubleshooting

A rattling sound, etc. is heard when the digital camera is turned on or off or the lens is shaken.

There is a sound from the lens when taking pictures.

- This is the sound of the internal lenses moving or the aperture operating. It is not a malfunction.

Specifications

The specifications are subject to change for performance enhancement.

INTERCHANGEABLE LENS FOR DIGITAL CAMERA	
"LUMIX S 18-40mm F4.5-6.3"	
Mount	Leica Camera AG L-Mount
Focal length	F=18 mm to 40 mm
Lens construction	8 elements in 7 groups (3 aspherical lenses, 2 ED lenses, 1 UHR lens) * The protective glass is not included
Aperture type	7 diaphragm blades/circular aperture diaphragm
Maximum aperture	F4.5 (Wide) to F6.3 (Tele)
Minimum aperture value	F22 (Wide) to F32 (Tele)
Angle of view	100° (Wide) to 57° (Tele)
In focus distance	0.15 m (0.49 feet) to ∞ (Wide to focal length 21 mm) / 0.35 m (1.15 feet) to ∞ (Tele)
Maximum image magnification	0.28x (focal length 21 mm)
Optical image stabilizer	No
Filter diameter	62 mm
Maximum diameter	∅67.9 mm (2.67")
Overall length	Approx. 40.9 mm (1.61") (from the tip of the lens to the base side of the lens mount when the lens barrel is retracted)
Mass (Weight)	Approx. 155 g (∅ 0.34 lb)
Dust and splash resistant	Yes
Recommended operating temperature	−10 °C to 40 °C (14 °F to 104 °F)
Permissible relative humidity	10 %RH to 80 %RH

FRANÇAIS

Merci d'avoir fait l'achat d'un produit Panasonic.

Veuillez lire attentivement les présentes instructions avant d'utiliser ce produit, et conservez-les pour référence ultérieure.

L'objectif peut être utilisé de pair avec un appareil photo numérique conforme à la norme Leica Camera AG L-Mount. Il est compatible avec un capteur d'image plein cadre, équivalent 35 mm.

Pour un enregistrement plus fluide, nous vous conseillons de mettre à jour la version du micrologiciel de l'appareil photo numérique/objectif.

Pour les plus récentes informations sur le micrologiciel ou pour le téléchargement/mettre à jour, visitez le site d'assistance suivant : <https://panasonic.jp/support/global/cs/dsc/> (En anglais uniquement)

Vous ne pouvez pas enregistrer avec l'objectif si le barillet de l'objectif est rétracté. Déployez-le pour pouvoir l'utiliser.

Pour avoir plus de détails, visitez le site Web d'assistance suivant : <https://panasonic.jp/support/global/cs/dsc/connect/index.html> (En anglais uniquement)

L-Mount est une marque déposée de Leica Camera AG.

Les autres noms, raisons sociales et appellations de produits cités dans ce document sont des marques de commerce ou des marques déposées de leurs détenteurs respectifs.

L'apparence et les spécifications des produits décrits dans ce document peuvent être différentes de celles des produits que vous avez réellement achetés, en raison des améliorations apportées ultérieurement.

Précautions à prendre

Évitez d'approcher l'élément du tout équipement magnétisé (four à micro-ondes, téléviseur, équipement de jeu vidéo, émetteur radio, ligne à haute tension, etc.).

- * N'utilisez pas l'appareil photo à proximité d'un téléphone cellulaire; cela pourrait entraîner un bruit nuisible à l'image et au son.
- * Évitez le cas où le fonctionnement de l'appareil serait dérangé par un champ magnétique; coupez le contact, retirez la batterie ou débranchez l'adaptateur secteur pour ensuite soit remettre la batterie en place, soit rebrancher l'adaptateur. Remettez l'appareil en marche.

Si vous voyez ce symbole-

Élimination des équipements usagés

Applicable uniquement dans les pays membres de l'Union européenne

Apposé sur ce produit lui-même, sur son emballage, ou figurant dans les documents qui l'accompagne, ce pictogramme indique que les appareils électriques et électroniques usagés doivent être séparés des ordures ménagères.

Afin de permettre le traitement, la valorisation et le recyclage adéquats des appareils usagés, veuillez les porter à l'un des points de collecte prévus, conformément à la législation nationale en vigueur.

En les éliminant conformément à la réglementation en vigueur, vous contribuerez à éviter le gaspillage de ressources précieuses ainsi qu'à protéger la santé humaine et l'environnement. Pour de plus amples renseignements sur la collecte et le recyclage, veuillez vous renseigner auprès des collectivités locales.

Le non-respect de la réglementation relative à l'élimination des déchets est passible d'une peine d'amende.



Précautions

Manipulation de l'objectif

- Lorsque vous utilisez cet objectif, veillez à ne pas le faire tomber, le cogner ou appuyer trop fort dessus. Dans le cas contraire, cela pourrait endommager ou causer le dysfonctionnement de cet objectif et de l'appareil photo numérique.
- Les images peuvent être affectées par la poussière, la saleté et les salissures (eau, gras, empreintes de doigts) présentes sur la surface de la lentille. Avant et après l'enregistrement, utilisez un souffleur pour éliminer la poussière et la saleté de la surface de la lentille, puis essuyez-la légèrement avec un chiffon doux et sec pour éliminer les salissures.
- L'objectif n'est pas set utilisé, veillez à mettre en place le capuchon d'objectif et le capuchon d'objectif arrière pour empêcher la poussière et autres particules de s'y accumuler ou de pénétrer à l'intérieur de celui-ci.
- Pour protéger les points de contact de l'objectif (1), ne faites pas ce qui suit car cela pourrait causer un dysfonctionnement. (Voir illustration [A](#))
 - Toucher les points de contact de l'objectif.
 - Laisser les points de contact se salir.
 - Poser l'objectif sur sa surface de montage.

Résistance à la poussière et aux éclaboussures

* Résistance à la poussière et aux éclaboussures est utilisée pour décrire le niveau supplémentaire de protection qu'offre cet objectif contre l'exposition à une quantité minimale d'humidité, d'eau ou de poussière. Elle ne garantit pas que des dommages ne surviendront pas si cet objectif est soumis au contact direct de l'eau ou à une infiltration de poussière.

Respectez les précautions suivantes pour que les performances de résistance à la poussière et aux éclaboussures soient satisfaisantes. Si l'objectif ne fonctionne pas correctement, contactez le revendeur ou Panasonic.

— Installez-le sur un appareil photo numérique qui résiste à la poussière et aux éclaboussures.

