

Panasonic®

取扱説明書

デジタルカメラ用 交換レンズ

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СМЕННЫЙ ОБЪЕКТИВ ДЛЯ ЦИФРОВОЙ ФОТОКАМЕРЫ

品番 / Model No. / Modèle /
Model Nr. / Modelo N. / Modello N. /

型號 / 型号 / Модель №.

S-S24



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DVQX2206ZA
F0721AJ0

取扱説明書

デジタルカメラ用 交換レンズ

このたびは、パナソニック製品をお買い上げいただき、まことにありがとうございます。

- 取扱説明書をよくお読みのうえ、正しく安全にお使いください。
- **ご使用前に「安全上のご注意」(3～5ページ)を必ずお読みください。**
- 保証書は「お買い上げ日・販売店名」などの記入を確かめ、取扱説明書とともに大切に保管してください。
- パナソニックの会員サイト「CLUB Panasonic」で「商品登録」をお願いします。
詳しくは、14ページをご覧ください。

保証書別添付

本レンズは、ライカカメラ社L-Mount規格に準拠したデジタルカメラに取り付けて使うことができます。35 mmフルサイズイメージセンサーに対応しています。

- より快適な撮影のために、デジタルカメラ/レンズのファームウェアを最新のバージョンにすることをお勧めします。
- ファームウェアの最新情報やダウンロード、アップデート方法については、下記サポートサイトをご覧ください。
<https://panasonic.jp/support/dsc/>

- L-Mountはライカカメラ社の登録商標です。
- その他、本書に記載されている各種名称、会社名、商品名などは各社の商標または登録商標です。
- 本書で説明する製品の外観と仕様は、改良により実際とは異なる場合があります。

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安全上のご注意

必ずお守りください

人への危害、財産の損害を防止するため、必ずお守りいただくことを説明しています。

■ 誤った使い方をしたときに生じる危害や損害の程度を区分して、説明しています。



警告

「死亡や重傷を負うおそれがある内容」です。



注意

「軽傷を負うことや、財産の損害が発生するおそれがある内容」です。

■ お守りいただく内容を次の図記号で説明しています。



してはいけない内容です。



実行しなければならない内容です。



警告



デジタルカメラに取り付けて使用中に異常・故障が発生したときには直ちに使用を中止する

- 煙が出たり、異常なおいや音がする
- 映像が出ないことがある
- 内部に水や異物が入った

そのまま使うと火災・感電の原因になります。

- デジタルカメラの電源を切り、販売店にご相談ください。



警告



内部に金属物を入れたり、水などの液体をかけたりぬらしたりしない

ショートや発熱により、火災・感電・故障の原因になります。

- 機器の近くに水などの液体の入った容器や金属物を置かないでください。
- 特にお子様にはご注意ください。



太陽や強い光源にレンズを向けたり、のぞき込んだりしない

太陽や強い光源に向けると、集光作用により周囲の燃えやすいものを発火させたり、内部部品が破損するなど、火災・故障の原因になります。また、のぞき込むと失明につながります。

- 必ず、付属のレンズキャップとレンズリアキャップを付け、太陽光が直接当たらないようにしてください。



注意



レンズの上に重い物を載せたり、乗ったりしない

倒れたり落下すると、けがや製品の故障の原因になることがあります。

また、重量で外装ケースが変形し、内部部品が破損すると、故障の原因になることがあります。



レンズフードだけを持って持ち運ばない

レンズフードからレンズやデジタルカメラが外れて落下すると、けがや製品の故障の原因になることがあります。

 **注意**

油煙や湯気の当たるところ、湿気やほこりの多いところに置かない
電気が油や水分、ほこりを伝わり、火災・感電の原因になることがあります。



デジタルカメラに取り付けて、電源を入れたまま長時間、直接触れて使用しない
本機の温度の高い部分に長時間、直接触れていると低温やけど*の原因になります。

- 長時間ご使用の場合は、三脚などをお使いください。
- * 血流状態が悪い人(血管障害、血液循環不良、糖尿病、強い圧迫を受けている)や皮膚感覚が弱い人などは、低温やけどになりやすい傾向があります。

- デジタルカメラの取扱説明書「安全上のご注意」も併せてお読みください。



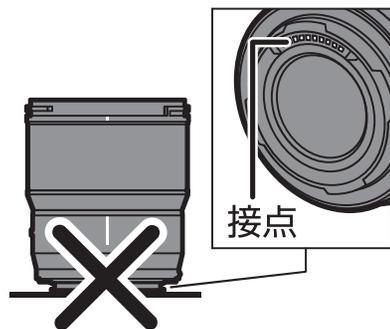
低温下で長時間、直接触れて使用しない
寒冷地(スキー場などの0℃以下の環境)で長時間、直接触れていると皮膚に傷害を起こす原因になることがあります。

- 長時間ご使用の場合は、手袋などをお使いください。

ご使用前に

■ レンズの取り扱いについて

- レンズを使用するときは、落としたり、ぶつけたり、無理な力を加えたりしないようお気をつけください。レンズおよびデジタルカメラの故障や破損の原因になります。
- レンズ表面のほこり、ごみ、汚れ(水、油、指紋など)が画像に影響を及ぼすことがあります。撮影前と撮影後に、ブローでレンズの表面に付いたほこりやごみを吹き飛ばしたあと、乾いた柔らかい布で汚れを軽くふいてください。
- ほこりやごみの付着、侵入を防ぐため、使用しないときは、レンズキャップ、レンズリアキャップを取り付けてください。
- レンズの接点を保護するため、以下のことはしないでください。故障の原因になります。
 - レンズの接点に触れる
 - レンズの接点を汚す
 - レンズ取り付け部を下にして置く



■ 防じん防滴について

- 本レンズの防じん防滴構造は、ほこりや水滴の侵入を完全に防ぐものではありません。防じん防滴性能を満足させるには、次の注意事項をお守りください。正常に動作しない場合は、お買い上げの販売店または修理ご相談窓口(→ 15)にお問い合わせください。
 - 防じん防滴対応のデジタルカメラに取り付けてください。
 - レンズの取り付け、取り外しの際は、レンズマウントラバー、接点、デジタルカメラおよびレンズの内部に砂やほこり、水滴が侵入しないようにしてください。
 - 液体が付いた場合は、乾いた柔らかい布でふいてください。
- 本レンズは、防じん防滴性能の向上のため、マウント部にレンズマウントラバーを使用しています。
 - デジタルカメラのマウント部にレンズマウントラバーのすれ跡が付いても、性能には問題ありません。
 - レンズマウントラバーの交換については、修理ご相談窓口(→ 15)にお問い合わせください。

■ 露付き(レンズが曇るとき)

- 露付きは、温度差や湿度差があると起こります。レンズの汚れ、かび、故障の発生原因になるためお気をつけください。
- 露付きが起こった場合は、デジタルカメラの電源を切り、2時間ほどそのままにしてください。周囲の温度になじむと、自然に曇りが取れます。

- 本製品の使用、または故障により生じた直接、間接の損害につきましては、当社は一切の責任を負いかねますので、あらかじめご了承ください。

付属品

付属品をご確認ください。

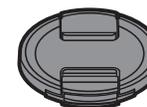
- 記載の品番は 2021 年 9 月現在のものです。
変更されることがあります。



- レンズフード
1ZE2SS24Z



- レンズキャップ*
CGE1Z293Z



- レンズリアキャップ*
RGE1Z276Z



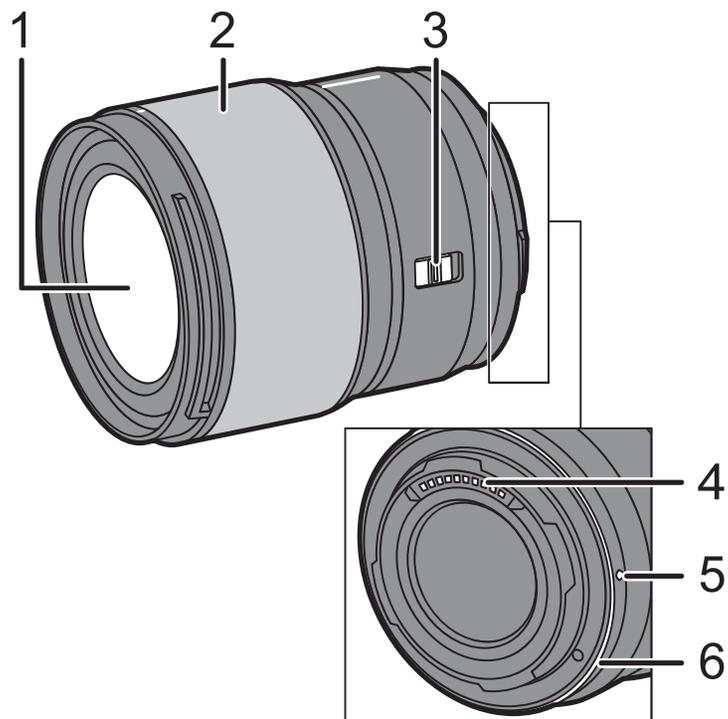
- * お買い上げ時はレンズに装着されています。
- 包装材料などは商品を取り出したあと、適切に処理をしてください。

付属品は販売店でお買い求めいただけます。
パナソニックの家電製品直販サイトでお買い求めいただける
ものもあります。
詳しくはパナソニックの家電製品直販サイトをご覧ください。

パナソニックグループの
ショッピングサイト
<https://ec-plus.panasonic.jp/>



各部の名前と働き



1 レンズ面

2 フォーカスリング

MF(マニュアルフォーカス)のときにフォーカスリングを回して、ピントを合わせます。
対応するデジタルカメラのメニューで、フォーカスリングによるピントの移動量を設定できます。
詳しくは、デジタルカメラの取扱説明書をお読みください。

3 AF/MFスイッチ

AF(オートフォーカス)とMF(マニュアルフォーカス)を切り換えます。

- デジタルカメラの設定をMFにした場合、AF/MFスイッチの位置にかかわらず、MFで動作します。

4 接点

5 レンズ取り付けマーク

6 レンズマウントラバー

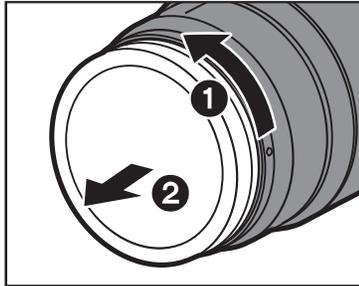
お知らせ

- 動画撮影時にAFの動作音が気になる場合は、MFにして撮影することをお勧めします。

レンズの取り付け

レンズの取り付け方については、デジタルカメラの取扱説明書をお読みください。

- デジタルカメラの電源を切ってから、取り付けてください。
- レンズリアキャップを取り外してから、デジタルカメラに取り付けてください。
- デジタルカメラから取り外したレンズには、ほこりやごみなどの付着、侵入を防ぐため、レンズキャップ、レンズリアキャップを取り付けてください。



■ レンズフードを取り付ける

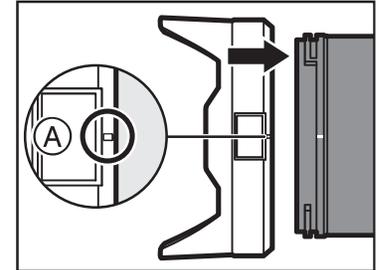
図のように、指を添えてレンズフードを持ってください。



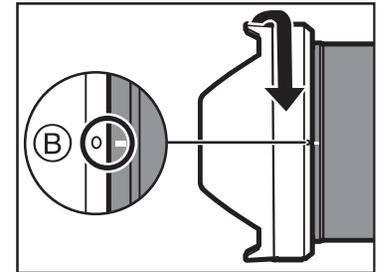
- レンズフードをゆがませるような持ち方はしないでください。



- 1 レンズフードの指標
Ⓐ(□) とレンズ先端の指標を合わせる

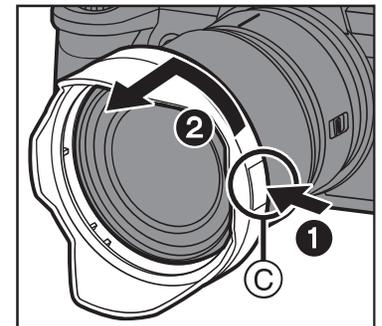


- 2 レンズフードを矢印の方向に回し、レンズフードの指標Ⓑ(○) と、レンズ先端の指標を合わせる



- ・「カチッ」と音がするまで回して取り付けてください。

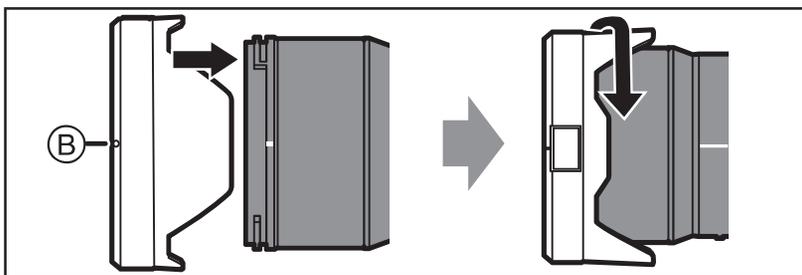
- ## ■ レンズフードを取り外す
- レンズフードのボタン Ⓒ を押しながら、矢印の方向に回して取り外す



レンズの取り付け(続き)

お知らせ

- 持ち運ぶときに、レンズフードを逆向きに取り付けることができます。
- 1 レンズフードの指標 **Ⓑ(○)** と、レンズ先端の指標を合わせる
 - 2 レンズフードを矢印の方向に「カチッ」と音がするまで回して取り付ける



- フラッシュ撮影時は、ケラレを防止するため、レンズフードを取り外して使用してください。
- レンズの落下を防ぐため、レンズフードだけを持って、レンズを持ち運ばないでください。

■ フィルター使用時のお知らせ

- フィルターを付けたまま、レンズキャップやレンズフードを取り付けることができます。
- 複数のフィルターを同時に取り付けると、撮影画像にケラレが現れる場合があります。
- フィルター以外のコンバージョンレンズやアダプター類をレンズ前面に取り付けて使用できません。取り付けるとレンズが壊れるおそれがあります。

使用上のお願い

- 殺虫剤や揮発性のものをレンズにかけないでください。
 - 外装ケースが変質したり塗装がはがれたりするおそれがあります。
- 太陽や強い光源にレンズを向けないでください。
 - 集光作用により、火災・故障の原因になることがあります。
- 低温下で長時間、レンズに直接接触して使用しないでください。
 - 寒冷地(スキー場などの0℃以下の環境)で長時間、直接接触していると皮膚に傷害を起こす原因になることがあります。長時間ご使用の場合は、手袋などをお使いください。
- お手入れの際は、ほこりの出にくい乾いた柔らかい布で軽くふいてください。
 - ベンジン、シンナー、アルコール、台所洗剤などの溶剤は、外装ケースが変質したり、塗装がはがれたりするおそれがありますので使用しないでください。
 - 化学雑巾は使用しないでください。
- ゴム製品やビニール製品を長期間接触したままにしないでください。
- 分解や改造をしないでください。
- 長期間使用しないときは、乾燥剤(シリカゲル)と一緒に保管することをお勧めします。

- 長期間使用していないときは、撮影前に各部を点検してから使用してください。
- 以下のような場所でレンズを使用または保管しないでください。動作不良や故障の原因となります。
 - 直射日光下や夏の海岸など
 - 高温多湿、または温度・湿度変化の激しい場所
 - 砂やほこりの多い場所
 - 火気のある場所
 - 冷暖房機、加湿器の近く
 - 水にぬれやすい場所
 - 振動のある場所
 - 自動車の中
- デジタルカメラの取扱説明書も併せてお読みください。

故障かな？と思ったら

デジタルカメラの電源を入/切したとき、またはレンズを振ったときに「カタカタ」などの音がる
撮影するときに、レンズから音がる

- レンズ移動や絞り動作の音で、故障ではありません。

仕様

この仕様は、性能向上のため変更することがあります。

デジタルカメラ用 交換レンズ(LUMIX S 24mm F1.8)

マウント	ライカカメラ社L-Mount
焦点距離	f=24 mm
レンズ構成	11群12枚(非球面レンズ3枚、UEDレンズ1枚、EDレンズ3枚)
絞り形式	9枚羽根 円形虹彩絞り
開放絞り	F1.8
最小絞り値	F16
画角	84°
撮影範囲	0.24 m～∞ (撮像面から)
最大撮影倍率	0.15×
手ブレ補正	なし
フィルター径	67 mm
最大径	Ø73.6 mm
全長	約82.0 mm(レンズ先端からレンズマウント基準面まで)
質量	約310 g
防じん防滴	あり
推奨使用温度	-10℃～40℃
許容相対湿度	10%RH～80%RH

保証とアフターサービス (よくお読みください)

使いかた・お手入れ・修理などは

■ **まず、お買い求め先へご相談ください。**

▼お買い上げの際に記入されると便利です

販売店名			
電話	()	—	
お買い上げ日	年	月	日

修理を依頼されるときは

この説明書をよくお読みのうえ、直らないときは、お買い上げ日と下の内容をご連絡ください。

● 製品名	デジタルカメラ用 交換レンズ
● 品番	S-S24
● 故障の状況	できるだけ具体的に

- 保証期間中は、保証書の規定に従ってお買い上げの販売店が修理をさせていただきますので、おそれ入りますが、製品に保証書を添えてご持参ください。

保証期間: お買い上げ日から本体1年間

保証書は日本国内においてのみ有効です。

The warranty is valid only in Japan.

保証書承諾内容、仅限于产品在日本国内使用时有效。

- 保証期間終了後は、診断をして修理できる場合はご要望により修理させていただきます。

※ 修理料金は次の内容で構成されています。

技術料 診断・修理・調整・点検などの費用

部品代 部品および補助材料代

出張料 技術者を派遣する費用

※ 補修用性能部品の保有期間 **8年**

当社は、このデジタルカメラ用 交換レンズの補修用性能部品(製品の機能を維持するための部品)を、製造打ち切り後8年保有しています。

「CLUB Panasonic」で「商品登録」をお願いします

家電情報をまとめて登録管理、登録商品のサポートも充実
詳しくはこちら <https://club.panasonic.jp/aiyo/>



■ 転居や贈答品などでお困りの場合は、次の窓口にご相談ください。

パナソニック 総合お客様サポートサイト <https://www.panasonic.com/jp/support/>

日本語



LUMIX (ルミックス)・ムービー 使い方・お手入れなどのご相談窓口



フリーダイヤル
携帯OK

パナは ロクサンハチ

0120-878-638 受付時間
9:00~18:00
(年中無休)

- 上記電話番号がご利用
いただけない場合 **06-6907-1187**
- FAX フリーダイヤル **0120-878-236**

Help desk for foreign residents in Japan
Tokyo (03) 3256-5444 Osaka (06) 6645-8787
Open: 9:00 - 17:30 (closed on Saturdays/Sundays/national holidays)



修理に関するご相談窓口



フリーダイヤル
携帯OK

パナは イイヨ

0120-878-554

- 上記電話番号がご利用
いただけない場合 **03-6633-6700**
- FAX フリーダイヤル **0120-878-225**



便利な修理サービスサイト
<https://club.panasonic.jp/repair/>

- ・掲載サイトおよび動画の視聴は無料ですが、通信料金はおお客様のご負担となります。(パケット定額サービスに未加入の場合、高額になる可能性があります)
- ・ご使用の回線 (IP 電話やひかり電話など) によっては、回線の混雑時に数分で切れる場合があります。
- ・上記のURLはお使いの携帯電話等により、正しく表示されない場合があります。

【ご相談窓口におけるお客様の個人情報のお取り扱いについて】

- パナソニック株式会社およびグループ関係会社は、お客様の個人情報をご相談対応や修理対応などに利用させていただきます、ご相談内容は録音させていただきます。
- また、折り返し電話をさせていただくための発信番号を通知いただいております。なお、個人情報を適切に管理し、修理業務等を委託する場合や正当な理由がある場合を除き、第三者に開示・提供いたしません。
- 個人情報に関するお問い合わせは、ご相談いただきました窓口にご連絡ください。

Operating Instructions

INTERCHANGEABLE LENS FOR DIGITAL CAMERA

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

Register online at <http://shop.panasonic.com/support>
(U.S. customers only)

If you have any questions, visit:

USA : <http://shop.panasonic.com/support>

Canada : www.panasonic.ca/english/support

This lens can be attached for 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)

-
- 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.

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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.

THE FOLLOWING APPLIES ONLY IN THE U.S.A.

FCC Note:

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.

FCC Caution:

- Any unauthorized changes or modifications to this equipment would void the user's authority to operate this device.

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.

Supplier's Declaration of Conformity

Trade Name: Panasonic
 Model No.: S-S24
 Responsible Party: Panasonic Corporation of North America
 Two Riverfront Plaza, Newark, NJ
 07102-5490
 Support Contact: <http://shop.panasonic.com/support>



THE FOLLOWING APPLIES ONLY IN CANADA.

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

-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 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 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.

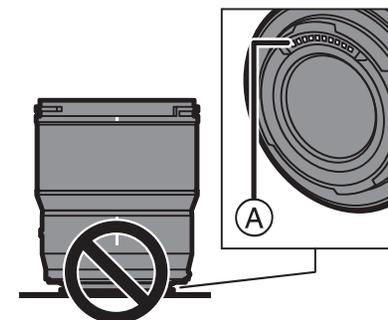
Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

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.

- 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 (A), do not do the following. These may cause malfunction.
 - 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 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.

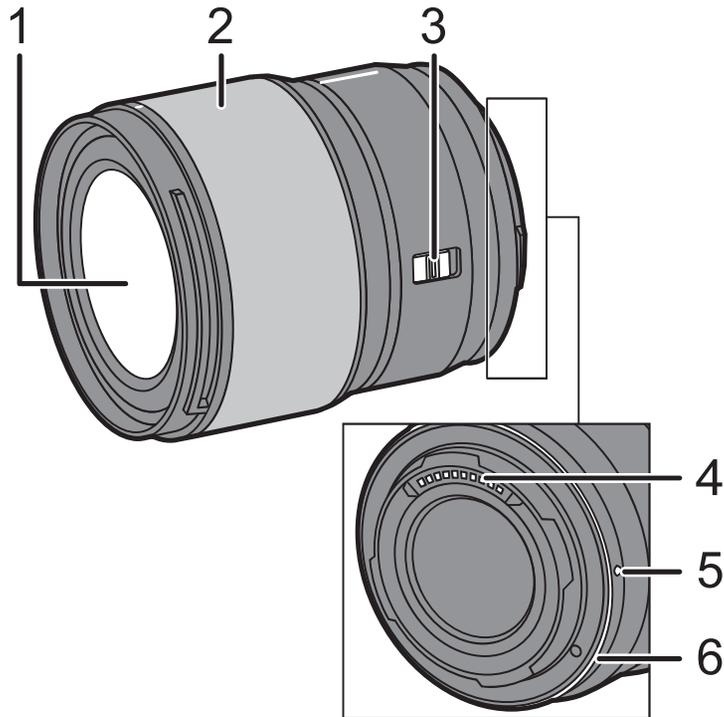
Product numbers correct as of September 2021. These may be subject to change.



- 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 menus in compatible digital cameras. Refer to the operating instructions for the digital camera for details.
- 3** 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.
- 4** Contact points
- 5** Lens fitting mark
- 6** Lens mount rubber

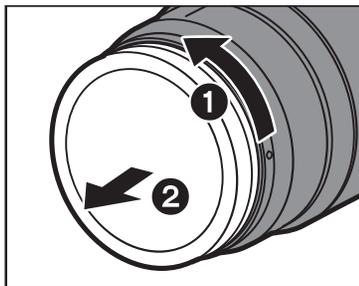
 **Note**

- While shooting video, in some situations, AF operation of the lens may be heard. In such situations changing to MF will improve this situation.

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.
- 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

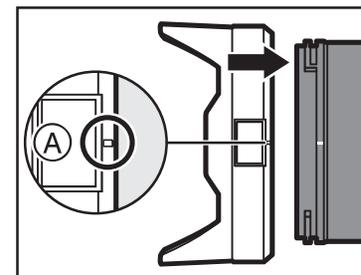
Hold the lens hood with your fingers placed as shown in the picture.



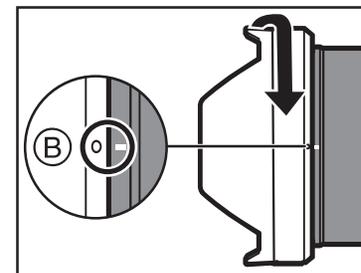
- Do not hold the lens hood in a way that twists or bends it.



- 1 Align mark ① (□) on the lens hood with the mark on the tip of the lens.



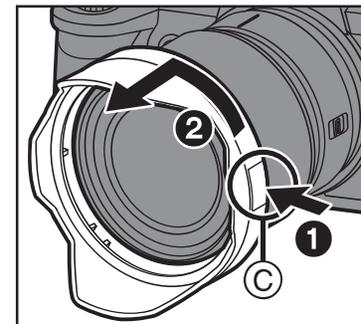
- 2 Rotate the lens hood in the direction of the arrow to align mark ② (○) on the lens hood with the mark on the tip of the lens.



- Attach the lens hood by rotating it until it clicks.

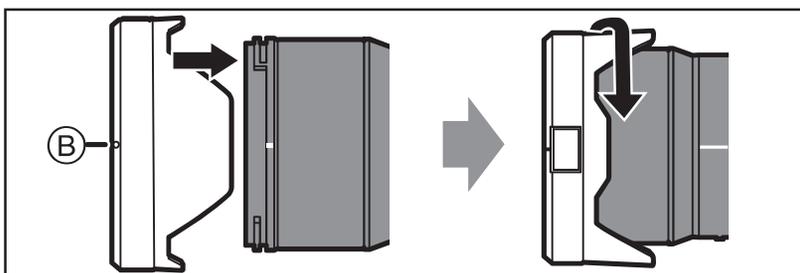
■ Removing the lens hood

While pressing the lens hood button ③, 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.
- 1 Align mark **(B)** (○) 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 dropping 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 and malfunction.
- **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 benzene, thinners, alcohol, kitchen cleansers, 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 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 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 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.

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 24mm F1.8”

Mount	Leica Camera AG L-Mount
Focal length	f=24 mm
Lens construction	12 elements in 11 groups (3 aspherical lenses, 1 UED lens, 3 ED lenses)
Aperture type	9 diaphragm blades/Circular aperture diaphragm
Maximum aperture	F1.8
Minimum aperture value	F16
Angle of view	84°
In focus distance	0.24 m (0.79 feet) to ∞ (from the focus distance reference line)
Maximum image magnification	0.15×
Optical Image Stabilizer	No
Filter diameter	67 mm
Maximum diameter	∅73.6 mm (2.9")
Overall length	Approx. 82.0 mm (3.2") (from the tip of the lens to the base side of the lens mount)
Mass (Weight)	Approx. 310 g (0.68 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

Limited Warranty (ONLY FOR U.S.A.)

Panasonic Products Limited Warranty

Limited Warranty Coverage (For USA Only)

If your product does not work properly because of a defect in materials or workmanship, Panasonic Corporation of North America (referred to as “the warrantor”) will, for the length of the period indicated on the chart below, which starts with the date of original purchase (“warranty period”), at its option either (a) repair your product with new or refurbished parts, (b) replace it with a new or a refurbished equivalent value product, or (c) refund your purchase price. The decision to repair, replace or refund will be made by the warrantor.

Product or part name	Parts	Labor
Interchangeable Lens for Digital Camera	1 Year	1 Year
All included Accessories (Except Non-Rechargeable Batteries)	90 Days	Not Applicable
Only Non-Rechargeable Batteries	10 Days	Not Applicable

During the “Labor” warranty period there will be no charge for labor. During the “Parts” warranty period, there will be no charge for parts. This Limited Warranty excludes both parts and labor for non-rechargeable

batteries, antennas, and cosmetic parts (cabinet). This warranty only applies to products purchased and serviced in the United States. This warranty is extended only to the original purchaser of a new product which was not sold “as is”.

Mail-In Service--Online Repair Request

Online Repair Request

To submit a new repair request and for quick repair status visit our Web Site at <http://shop.panasonic.com/support>.

When shipping the unit, carefully pack, include all supplied accessories listed in the Owner’s Manual, and send it prepaid, adequately insured and packed well in a carton box. When shipping Lithium Ion batteries please visit our Web Site at <http://shop.panasonic.com/support> as Panasonic is committed to providing the most up to date information. Include a letter detailing the complaint, a return address and provide a daytime phone number where you can be reached. A valid registered receipt is required under the Limited Warranty.

IF REPAIR IS NEEDED DURING THE WARRANTY PERIOD, THE PURCHASER WILL BE REQUIRED TO FURNISH A SALES RECEIPT/PROOF OF PURCHASE INDICATING DATE OF PURCHASE, AMOUNT PAID AND PLACE OF PURCHASE. CUSTOMER WILL BE CHARGED FOR THE REPAIR OF ANY UNIT RECEIVED WITHOUT SUCH PROOF OF PURCHASE.

Limited Warranty Limits and Exclusions

This warranty **ONLY COVERS** failures due to defects in materials or workmanship, and **DOES NOT COVER** normal wear and tear or cosmetic damage. The warranty **ALSO DOES NOT COVER** damages which occurred in shipment, or failures which are caused by products not supplied by the warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, misadjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, introduction of sand, humidity or liquids, or rental use of the product, or service by anyone other than a Factory Service Center or other Authorized Servicer, or damage that is attributable to acts of God. **THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER “LIMITED WARRANTY COVERAGE”. THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY.**

(As examples, this excludes damages for lost time, travel to and from the servicer, loss of or damage to media or images, data or other memory or recorded content. The items listed are not exclusive, but for illustration only.)

ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY, ARE LIMITED TO THE PERIOD OF THE LIMITED WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on

how long an implied warranty lasts, so the exclusions may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state. If a problem with this product develops during or after the warranty period, you may contact your dealer or Service Center. If the problem is not handled to your satisfaction, then write to:

Panasonic Corporation of North America
Consumer Affairs Department 8th Fl.
Two Riverfront Plaza
Newark NJ 07102-5490

PARTS AND SERVICE, WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY, ARE YOUR RESPONSIBILITY.

Shop Accessories!

for all your Panasonic gear

Go to

<http://shop.panasonic.com/support>

Get everything you need to get the most out of your Panasonic products
Accessories & Parts for your Camera, Phone, A/V products, TV, Computers & Networking, Personal Care, Home Appliances, Headphones, Batteries, Backup Chargers & more...

Customer Services Directory

For Product Information, Operating Assistance, Parts, Owner's Manuals, Dealer and Service info
go to <http://shop.panasonic.com/support>

For the hearing or speech impaired TTY: 1- 877-833-8855

As of April 2021

Limited Warranty (ONLY FOR CANADA)

Panasonic Canada Inc.

5770 Ambler Drive, Mississauga, Ontario L4W 2T3

PANASONIC PRODUCT – LIMITED WARRANTY

Panasonic Canada Inc. warrants this product to be free from defects in material and workmanship under normal use and for a period as stated below from the date of original purchase agrees to, at its option either (a) repair your product with new or refurbished parts, (b) replace it with a new or a refurbished equivalent value product, or (c) refund your purchase price. The decision to repair, replace or refund will be made by Panasonic Canada Inc.

Interchangeable Lens for Digital Camera	One (1) year, parts and labour
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This warranty is given only to the original purchaser, or the person for whom it was purchased as a gift, of a Panasonic brand product mentioned above sold by an authorized Panasonic dealer in Canada and purchased and used in Canada, which product was not sold "as is", and which product was delivered to you in new condition in the original packaging.

IN ORDER TO BE ELIGIBLE TO RECEIVE WARRANTY SERVICE HEREUNDER, A PURCHASE RECEIPT OR OTHER PROOF OF DATE OF ORIGINAL PURCHASE, SHOWING AMOUNT PAID AND PLACE OF PURCHASE IS REQUIRED

LIMITATIONS AND EXCLUSIONS

This warranty **ONLY COVERS** failures due to defects in materials or workmanship, and **DOES NOT COVER** normal wear and tear or cosmetic damage. The warranty **ALSO DOES NOT COVER** damages which occurred in shipment, or failures which are caused by products not supplied by Panasonic Canada Inc., or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, misadjustment of consumer controls, improper maintenance, improper batteries, power line surge, lightning damage, modification, introduction of sand, humidity or liquids, or rental use of the product, or service by anyone other than a Authorized Servicer, or damage that is attributable to acts of God.

Dry cell batteries, printer ink cartridge and paper are also excluded from coverage under this warranty.

Rechargeable batteries are warranted for ninety (90) days from date of original purchase.

THIS EXPRESS, LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL PANASONIC CANADA INC. BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT OR ARISING OUT OF ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY.

(As examples, this warranty excludes damages for lost time, travel to and from the Authorized Servicer, loss of or damage to media or images, data or other memory or recorded content. This list of items is not exhaustive, but for illustration only.)

In certain instances, some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, or the exclusion of implied warranties, so the above limitations and exclusions may not be applicable. This warranty gives you specific legal rights and you may have other rights which vary depending on your province or territory.

WARRANTY SERVICE

For product operation, repairs and information assistance, please visit our Support page:

www.panasonic.ca/english/support

For the U.S.A.

Panasonic Corporation of North America
Two Riverfront Plaza, Newark, NJ 07102-5490
<http://shop.panasonic.com>

For CANADA

Panasonic Canada Inc.
5770 Ambler Drive, Mississauga, Ontario L4W 2T3
www.panasonic.com

Printed in China

Panasonic Warranty

1. Subject to the conditions of this warranty Panasonic or its Authorised Service Centre will perform necessary service on the product, without charge for parts or labour, if in the opinion of Panasonic the product is found to have a manufacturing defect within one (1) year or (12 months) (the "warranty period") from the date of purchase appearing on your purchase receipt.
2. This warranty only applies to Panasonic products purchased in Australia and sold by Panasonic Australia, it's Authorised Distributors, or Dealers, and only where the products are used and serviced within Australia or its territories. Warranty cover only applies to the services that are carried out by a Panasonic Authorised Service Centre and only if valid proof of purchase is presented when the warranty service is requested.
3. This warranty only applies if the product has been installed and/or used in accordance with the manufacturer's recommendations (as noted in the operating instructions) under normal use and reasonable care (in the opinion of Panasonic). The warranty does not cover damage, malfunction or failure resulting from use of incorrect voltages, incorrect installation, accident, misuse, neglect, build-up of dirt or dust, abuse, maladjustment of customer controls, mains supply problems, thunderstorm activity, infestation by insects or vermin, tampering or repair by unauthorised persons (including unauthorised alterations), exposure to abnormally corrosive conditions, or any foreign object or matter having entered the product.
4. This warranty does not cover the following items unless the fault or defect existed at the time of purchase:
 - (a) Consumable parts
 - (b) Cosmetic parts
 - (c) Worn or damaged parts
 - (d) Information stored on Hard Disk Drives, Optical Discs, USB Devices, SD Cards, Tapes
 - (e) DTV reception issues caused by TV Aerial / Cabling / Wall socket(s)
5. Some products may be supplied with Ethernet connection hardware. The warranty is limited on such products and will not cover:
 - (a) Internet and or DLNA connection / setup related problems
 - (b) Access fees and or charges incurred for internet connection
 - (c) Incompatible software or software not specifically stipulated in the product operations manual; and
 - (d) Any indirect or consequential costs associated with the incorrect use or misuse of the hardware, its connection to the internet or any other device.
6. To claim warranty service, when required, you should:
 - Contact Panasonic's Customer Care Centre on 132 600 for Service Centre information.
 - Confirm the opening and acceptance times with the Authorised Service centre that you choose.
 - Then send or take the product to a Panasonic Authorised Service Centre together with your proof of purchase receipt.
 - Any freight and insurance costs associated with the transport of the product to and/or from your nearest Authorised Service Centre must be arranged and paid for by you.
7. The warranties hereby conferred do not extend to, and exclude, any costs associated with the installation, de-installation or re-installation of a product, including costs related to the mounting, de-mounting or remounting of any screen, (and any other ancillary activities), delivery, handling, freight, transportation or insurance of the product or any part thereof or replacement of and do not extend to, and exclude, any damage or loss occurring by reason of, during, associated with, or related to such installation, de-installation, re-installation or transit.

Panasonic Authorised Service Centres are located in major metropolitan areas and most regional centres of Australia, however, coverage will vary dependant on product. For advice on exact Authorised Service Centre locations for your product, please telephone our Customer Care Centre on 132600 or visit our website and use the Service Centre Locator.

In addition to your rights under this warranty, Panasonic products come with consumer guarantees that cannot be excluded under the Australian Consumer Law. If there is a major failure with the product, you can reject the product and elect to have a refund or to have the product replaced or if you wish you may elect to keep the goods and be compensated for the drop in value of the goods. You are also entitled to have the product repaired or replaced if the product fails to be of acceptable quality and the failure does not amount to a major failure.

If there is a major failure in regard to the product which cannot be remedied then you must notify us within a reasonable period by contacting the Panasonic Customer Care Centre. If the failure in the product is not a major failure then Panasonic may choose to repair or replace the product and will do so in a reasonable period of time from receiving notice from you.

THIS WARRANTY CARD AND THE PURCHASE DOCKET (OR SIMILAR PROOF OF PURCHASE) SHOULD BE RETAINED BY THE CUSTOMER AT ALL TIMES

If you require assistance regarding warranty conditions or any other enquiries, please visit the Panasonic

Australia website www.panasonic.com.au or contact by phone on **132 600**

If phoning in, please ensure you have your operating instructions available.

Panasonic Australia Pty. Limited

ACN 001 592 187 ABN 83 001 592 187
1 Innovation Road, Macquarie Park NSW 2113
www.panasonic.com.au

PRO-031-F11 Issue: 5.0

23-01-2018

ENGLISH