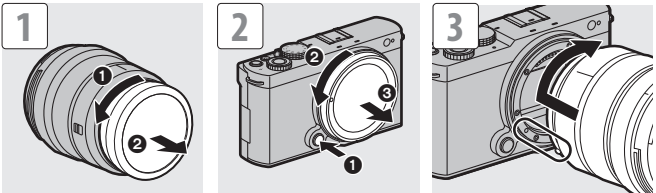


Attaching a Lens

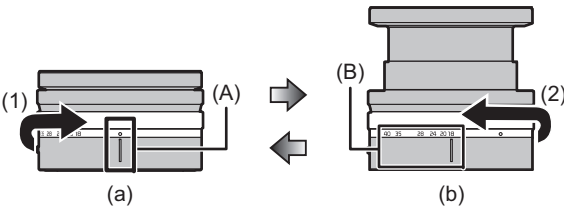
The lens mount of this camera is compliant with the L-Mount standard of Leica Camera AG.

- Refer to catalogs/websites for information regarding supported lenses. <https://panasonic.jp/support/global/cs/dsc/connect/index.html> (English only)
 - Attaching commercially available accessories that do not comply with the L-Mount standard may lead to operation failure or malfunction of the camera.
- If a failure or malfunction occurs due to this cause, the warranty will be void.



- When removing the lens or body cap, rotate while pressing the lens release button.

How to Extend/Retract the Lens [When the Interchangeable Lens (S-R1840) Is Attached]



(a) Lens retracted
(b) Ready for recording

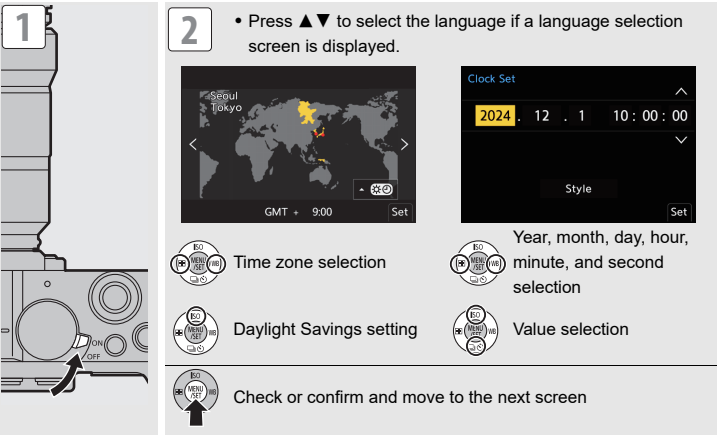
- How to Extend the Lens**
Rotate the zoom ring in the direction of arrow (1) from position (A) (the lens is retracted) to position (B) (18 mm to 40 mm) to extend the lens.
- When the lens barrel is retracted, images cannot be recorded.

- How to Retract the Lens**
Rotate the zoom ring in the direction of arrow (2) from position (B) (18 mm to 40 mm) to position (A) to retract the lens.
- 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.

- Attach and remove the lens only when the lens barrel is retracted.
- A message is displayed if the lens barrel is retracted and recording is not possible. Rotate the zoom ring to extend it.

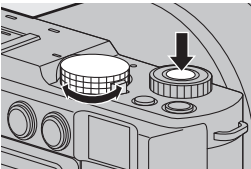
Setting the Clock (When Turning On for the First Time)

When you turn the camera on for the first time, a screen to set the time zone and clock appears. Follow the message to make the settings.



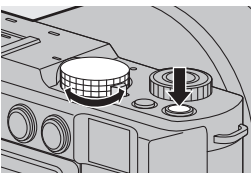
Taking Pictures

- Rotate the mode dial to select the recording mode ([iA]/[P]/[A]/[S]/[M]).
- Press the shutter button halfway (press it gently) to focus.
- Press the shutter button fully (press it further) to take pictures.

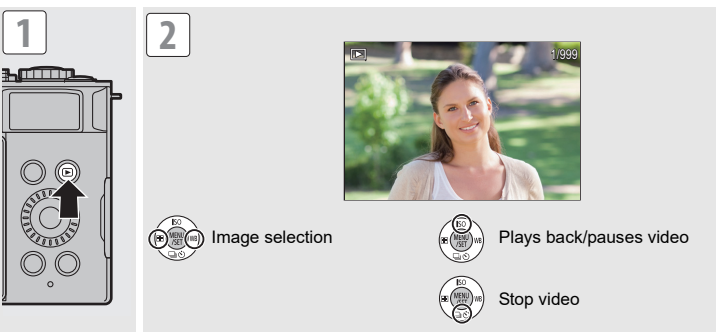


Recording Videos

- Rotate the mode dial to select the recording mode.
- Press the video rec. button to start recording.
- Press the video rec. button again to end recording.



Playing Back Images



Cautions for Use

- Firmware of Your Camera/Lens**
Firmware updates may be provided in order to improve camera capabilities or to add functionality.
- For the latest information on the firmware or to download/update the firmware, visit the following support site: <https://panasonic.jp/support/global/cs/dsc/download/index4.html> (English only)



- Handling of the Camera**
The camera is not dust resistant, splash resistant, or waterproof.
Avoid using the camera in places with excessive dust or sand, or where water can come into contact with the camera.

- Be Sure to Perform Trial Recording in Advance**
Be sure to perform trial recording in advance to check that recording can be performed normally.
- Please note that compensation cannot be provided in the event that recording could not be performed due to a problem with the camera or a card.

- Be Careful with Regard to Copyrights**
Under copyright law, you may not use the images and audio you have recorded without the permission of the copyright holder.

- Caution with Strong Light Beams Such as Laser Light**
Do not allow strong light beams, such as laser light, to be directly exposed to this camera (lens). These can destroy the image sensor and cause the camera to malfunction.

- The camera**
Keep this unit as far away as possible from electromagnetic equipment (such as microwave ovens, TVs, video games etc.).
 - If you use this unit on top of or near a TV, the pictures and/or sound on this unit may be disrupted by electromagnetic wave radiation.
 - Do not use this unit near cell phones because doing so may result in noise adversely affecting the pictures and/or sound.
 - Recorded data may be damaged, or pictures may be distorted, by strong magnetic fields created by speakers or large motors.
 - Electromagnetic wave radiation may adversely affect this unit, disturbing the pictures and/or sound.
 - If this unit is adversely affected by electromagnetic equipment and stops functioning properly, turn this unit off and remove the battery or disconnect AC adaptor. Then reinsert the battery or reconnect AC adaptor and turn this unit on.
- Do not use this unit near radio transmitters or high-voltage lines.**
- If you record near radio transmitters or high-voltage lines, the recorded pictures and/or sound may be adversely affected.

- Wi-Fi® Function**
Use of the Wi-Fi function of the camera is presumed to be in countries where it is sold.

There is the risk that the camera violates the radio wave regulations if used in countries other than those where it is sold, and Panasonic takes no responsibility for any violations.

- Please be advised that Panasonic is not liable for any damage directly or indirectly caused by use (including use in combination with the products of other companies) or malfunction of this product.
- Please be advised that Panasonic is not liable for any damage to data caused by this product.
- The external design and specifications of this product, as described in this document, may differ from the actual product due to improvements made.

Main Specifications

The specifications are subject to change for performance enhancement.

Digital camera body (DC-S9):
Information for your safety

Power source:	9.0 V ===
Power consumption:	3.9 W (when recording with the monitor), 3.3 W (when playing back with the monitor) [When using the interchangeable lens (S-R2060)] 4.0 W (when recording with the monitor), 3.4 W (when playing back with the monitor) [When using the interchangeable lens (S-R1840)]

Type	
Type	Digital Single Lens Mirrorless camera
Lens mount	Leica Camera AG L-Mount
Recording media	SD memory card / SDHC memory card / SDXC memory card

Image sensor	
Image sensor	35 mm full-frame (35.6 mm×23.8 mm) CMOS sensor, a total of approx. 25,300,000 pixels, primary color filter
Effective number of pixels of the camera	Approx. 24,200,000 pixels

Monitor	
Type	Aspect ratio 3:2, 3.0 inches, approx. 1,840,000 dots monitor, capacitive touch screen

Interface	
USB	USB Type-C®, USB 10Gbps
HDMI	HDMI Type D
[MIC]	Ø3.5 mm stereo mini jack

External dimensions / Mass (Weight)	
External dimensions	Approx. 126.0 mm (W)×73.9 mm (H)×46.7 mm (D) (4.96" (W)×2.91" (H)×1.84" (D)) (excluding the projecting parts)
Mass (Weight)	Approx. 486 g/1.08 lb (camera body, with battery and card) Approx. 403 g/0.89 lb (only camera body)

Operating environment	
Recommended operating temperature	0 °C to 40 °C (32 °F to 104 °F)
Permissible relative humidity	10 %RH to 80 %RH

Wi-Fi	
Compliance standard	IEEE 802.11a/b/g/n/ac (standard wireless LAN protocol)
Frequency range used (central frequency)	2412 MHz to 2462 MHz (1 to 11ch) 5180 MHz to 5320 MHz (36/40/44/48/52/56/60/64ch) 5745 MHz to 5825 MHz (149/153/157/161/165ch)
Encryption method	Wi-Fi compliant WPA™ / WPA2™ / WPA3™
Access method	Infrastructure mode
Bluetooth®	
Compliance standard	Bluetooth v5.0, Bluetooth Low Energy (BLE)
Frequency range used (central frequency)	2402 MHz to 2480 MHz

Battery pack (lithium-ion) (Panasonic DMW-BLK22):
Information for your safety

Voltage/capacity:	7.2 V / 2200 mAh
--------------------------	------------------

The symbols on this product (including the accessories) represent the following:

===	DC
-----	----

Trademarks and Licenses

- L-Mount is a trademark or registered trademark of Leica Camera AG.
- SDXC Logo is a trademark of SD-3C, LLC.
- The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI Trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.
- USB Type-C® and USB-C® are registered trademarks of USB Implementers Forum.
- QuickTime and the QuickTime logo are trademarks or registered trademarks of Apple Inc., used under license therefrom.
- The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Panasonic Holdings Corporation is under license. Other trademarks and trade names are those of their respective owners.
- "Wi-Fi®" is a registered trademark of Wi-Fi Alliance®.
- "WPA™", "WPA2™", and "WPA3™" are trademarks of Wi-Fi Alliance®.
- QR Code is a registered trademark of DENSO WAVE INCORPORATED.
- Other names, company names, product names mentioned in this document are trademarks or registered trademarks of the companies concerned.



At least three (3) years from delivery of this product, Panasonic will give to any third party who contacts us at the contact information provided below, for a charge no more than our cost of physically performing source code distribution, a complete machine-readable copy of the corresponding source code covered under GPL V2.0 or LGPL V2.1, as well as the respective copyright notice thereof.

Contact Information: oss-cd-request@gp.jp.panasonic.com

The source code and the copyright notice are also available for free in our website below. <https://panasonic.net/cns/oss/index.html>

This product is licensed under the AVC Patent Portfolio License for the personal use of a consumer or other uses in which it does not receive remuneration to (i) encode video in compliance with the AVC Standard ("AVC Video") and/or (ii) decode AVC Video that was encoded by a consumer engaged in a personal activity and/or was obtained from a video provider licensed to provide AVC Video. No license is granted or shall be implied for any other use. Additional information may be obtained from MPEG LA, L.L.C.

See <http://www.mpegla.com>

For the U.S.A. and Canada only

A lithium ion battery that is recyclable powers the product you have purchased. Please call 1-800-8-BATTERY for information on how to recycle this battery.

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.	
Digital Camera	One (1) year, parts and labour
Digital Camera Peripherals	One (1) year, parts and labour
Digital Camera Accessories	Ninety (90) days, parts and labour

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 PLAGE 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