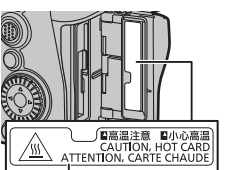


**CAUTION, HOT CARD**

- As indicated on the inside of the card door, the card may be hot just after the camera has been used. Be careful when removing. When a warning of high temperature is indicated on the screen, do not take the card out immediately, but rather wait for the temperature to drop and the indication to disappear.



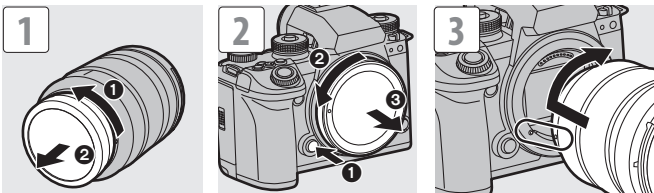
(C)

**(C) CAUTION, HOT CARD**

## 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.



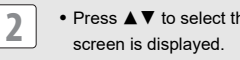
- Attach by rotating the lens until it clicks.
- When removing the lens or body cap, rotate while pressing the lens release button.

## 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.




1

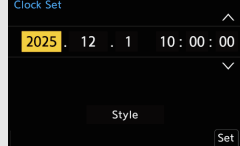


2

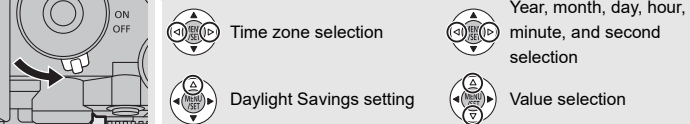
- Press **▲▼** to select the language if a language selection screen is displayed.



GMT - 9:00 Set



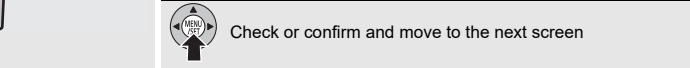
Style Set



Time zone selection



Daylight Savings setting

Value selection



Check or confirm and move to the next screen

## Taking Pictures/Recording Videos

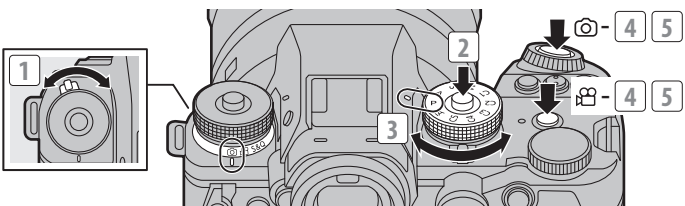
- Switch the photo/video/S&Q switch ([] or []).
- Press the mode dial lock button to release the lock.
- Rotate the mode dial to select the recording mode ([iA]/[P]/[A]/[S]/[M]).

[] When taking pictures:

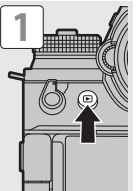
- Press the shutter button halfway (press it gently) to focus.
- Press the shutter button fully (press it further) to take pictures.

[] When recording video:

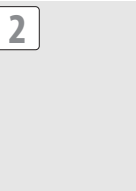
- Press the video rec. button to start recording.
- Press the video rec. button again to end recording.




## Playing Back Images



1



2



Card slot

Image selection

Plays back/pauses video

Stop video

## 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)

### ❖ Splash Resistant

**Splash Resistant is a term used to describe an extra level of protection this camera offers against exposure to a minimal amount of moisture, water or dust. Splash Resistant does not guarantee that damage will not occur if this camera is subjected to direct contact with water.**

In order to minimize the possibility of damage please be sure the following precautions are taken:

- Splash Resistant works in conjunction with the lenses that were specifically designed to support this feature.
- Securely close the doors, contact points cover, etc.
- When the lens or cap is removed or a door is open, do not allow sand, dust, and moisture to enter inside.
- If liquid gets on the camera, wipe it off with a dry soft cloth.

### ❖ 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.

- When [Sleep Mode] or [Sleep Mode(Wi-Fi)] in [Power Save Mode] is set to [OFF], the power consumption of this camera may rise.
- 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.
- Illustrations used in this document may differ from the actual product and the actual images displayed on the product.
- Images used in this document are sample pictures used to explain the functions and effects.

## Main Specifications

The specifications are subject to change for performance enhancement.

**Digital camera body (DC-S1M2ES):**

Information for your safety

<b>Power source:</b>	9.0 V ===
<b>Power consumption:</b>	4.7 W (when recording with the monitor), 3.8 W (when playing back with the monitor) [When using the interchangeable lens (S-R24105)]

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

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

Viewfinder	
<b>Type</b>	Aspect ratio 4:3, 0.5 inches, approx. 5,760,000 dots, organic EL (OLED) live view viewfinder
<b>Magnification</b>	Approx. 0.78× (−1.0 m <sup>−1</sup> 50 mm at infinity, with aspect ratio set to [3:2])

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

Interface	
<b>USB</b>	USB Type-C®, USB 10Gbps Supports USB Power Delivery (9.0 V/3.0 A) Output: DC 5 V, 900 mA
<b>HDMI</b>	HDMI Type A
<b>[REMOTE]</b>	Ø2.5 mm jack
<b>[MIC]</b>	Ø3.5 mm stereo mini jack
<b>Headphones</b>	Ø3.5 mm stereo mini jack

External dimensions / Mass (Weight)	
<b>External dimensions</b>	Approx. 134.3 mm (W)×102.3 mm (H)×91.8 mm (D) (5.29" (W)×4.03" (H)×3.61" (D)) (excluding the projecting parts)
<b>Mass (Weight)</b>	Approx. 795 g/1.75 lb (including the camera body, battery, and 1 SD memory card) Approx. 712 g/1.57 lb (only camera body)

Operating environment	
<b>Recommended operating temperature</b>	−10 °C to 40 °C (14 °F to 104 °F)
<b>Permissible relative humidity</b>	10 %RH to 80 %RH

Wi-Fi	
<b>Compliance standard</b>	IEEE 802.11a/b/g/n/ac (standard wireless LAN protocol)
<b>Frequency range used (central frequency)</b>	2412 MHz to 2462 MHz (1 to 11ch) 5180 MHz to 5320 MHz (36/40/44/48/52/56/60/64ch) 5500 MHz to 5720 MHz (100/104/108/112/116/120/124/128/132/136/140/144ch) 5745 MHz to 5825 MHz (149/153/157/161/165ch)
<b>Encryption method</b>	Wi-Fi compliant WPA™ / WPA2™ / WPA3™
<b>Access method</b>	Infrastructure mode

Bluetooth®	
<b>Compliance standard</b>	Bluetooth v5.0, Bluetooth Low Energy (BLE)
<b>Frequency range used (central frequency)</b>	2402 MHz to 2480 MHz

**Battery charger (Panasonic DVLC1005Z):**

Information for your safety

<b>Input:</b>	9.0 V ===	3.0 A	5.0 V ===	1.8 A
<b>Output:</b>	8.4 V ===	1.2 A	8.4 V ===	0.85 A
<b>Operating temperature:</b>	0 °C to 40 °C (32 °F to 104 °F)			

**Battery pack (lithium-ion) (Panasonic DMW-BLK22):**

Information for your safety

<b>Voltage/capacity:</b>	7.2 V / 2200 mAh
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The symbols on this product (including the accessories) represent the following:

===	DC
	Hot surfaces

## 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.
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- "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.
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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@gg.jp.panasonic.com](mailto:oss-cd-request@gg.jp.panasonic.com)

The source code and the copyright notice are also available for free in our website below.  
<https://docs.connect.panasonic.com/oss/>

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.

**[For U.S.A.]**

To dispose of your product, please recycle in accordance with local environmental regulations. For further recycling please visit  
<https://shop.panasonic.com/recycle>

## 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
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  
Two Riverfront Plaza  
Newark NJ 07102-5490

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

Product registration is not mandatory. Failure to complete the form does not affect the consumer's warranty rights.

## 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 August 2023**