Panasonic

LUMIX S5IIx

Owner's Manual <Quick Start Guide> Digital Camera

DC-S5M2X

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

Refer to "Owner's Manual < Complete Guide>" (HTML format/ PDF format) for details about how to use the camera and



https://panasonic.jp/support/dsc/oi/S5M2X/index.html

U.S. customers only

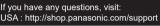
Register online at http://shop.panasonic.com/support/register to receive these benefits



Owner Verification







Panasonic Corporation of North America

Two Riverfront Plaza, Newark, NJ 07102-5490

© Panasonic Entertainment & Communication Co., Ltd. 2023



DVQX2376YA F0323NT1045

Dear Customer,

Thank you for choosing Panasonic!

You have purchased one of the most sophisticated and reliable products on the market today. Used properly, we're sure it will bring you and your family years of enjoyment. Please take time to fill in the information below. The serial number is on the tag located on the underside of your camera. Be sure to **retain this manual** as your convenient camera information source.

Date of Purchase	Dealer Phone No.)
Dealer Purchased From	Model No.	
Dealer Address	Serial No.	

Please note that the actual controls and components, menu items, etc. of your Digital Camera may look somewhat different from those shown in the illustrations in this Owner's Manual.

Information for Your Safety

WARNING:

To reduce the risk of fire, electric shock or product damage,

- Do not expose this unit to rain, moisture, dripping or splashing.
- Use the recommended accessories
- Do not remove covers
- Do not repair this unit by yourself. Refer servicing to qualified service personnel.

The socket outlet shall be installed near the equipment and shall be easily accessible

■ Product identification marking

Product	Location
Digital camera	Bottom

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.
- To assure continued compliance, follow the attached installation instructions and use only shielded interface cables with ferrite core when connecting to computer or peripheral devices.

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

Supplier's Declaration of Conformity

Trade Name: Panasonic

Model No.: DC-S5M2X

Responsible Party: Panasonic Corporation of North America

Two Riverfront Plaza, Newark, N.I. 07102-5490

Support Contact: http://shop.panasonic.com/support

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

How to Display Certification and Compliance Information Certification and compliance information for this camera can be viewed on the menu

1 Select the 🔑 [Others] tab of the 🔑 [Setup] menu. 2 Select [Approved Regulations] and confirm your selection.

Contains FCC ID: VPYLBEE5ZZ1PJ

This transmitter must not be co-located or operated in conjunction with any other antenna

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines as this equipment has very low levels of RF energy.

Compliance with FCC requirement 15.407(c)

Data transmission is always initiated by software, which is the passed down through the MAC, through the digital and analog baseband, and finally to the RF chip. Several special packets are initiated by the MAC. These are the only ways the digital baseband portion will turn on the RF transmitter, which it then turns off at the end of the packet. Therefore, the transmitter will be on only while one of the aforementioned packets is being transmitted. In other words, this device automatically discontinue transmission in case of either absence of information to transmit or operational failure.

Frequency Tolerance: ± 20ppm

■ About the battery pack

CAUTION

- Battery pack (Lithium ion battery pack)
- Use the specified unit to recharge the battery pack.
- Do not use the battery pack with equipment other than the specified unit. • Do not get dirt, sand, liquids, or other foreign matter on the terminals.
- Do not touch the plug terminals (+ and -) with metal objects
- Do not disassemble, remodel, heat or throw into fire.

If any electrolyte should come into contact with your hands or clothes, wash it off thoroughly with water

If any electrolyte should come into contact with your eyes, never rub the eyes. Rinse eyes thoroughly with water, and then consult a doctor.

CAUTION

- Danger of explosion if battery is incorrectly replaced. Replace only with the type recommended by the manufacturer
- When disposing of the batteries, please contact your local authorities or dealer and ask for the correct method of disposal
- Do not heat or expose to flame
- Do not leave the battery(ies) in a car exposed to direct sunlight for a long period of time with doors and windows closed.
- Do not expose to low air pressure at high altitudes.
- Do not expose to extremely low air pressure, as this may result in explosions or leakage of flammable liquids and gases.

Risk of fire, explosion and burns. Do not disassemble, heat above 60 °C (140 °F) or incinerate.

■ About the AC adaptor (supplied)

CALITIONI

To reduce the risk of fire, electric shock or product damage,

• Do not install or place this unit in a bookcase, built-in cabinet or in another confined space. Ensure this unit is well ventilated.

This AC adaptor operates on AC between 110 V and 240 V.

- In the U.S.A. and Canada, the AC adaptor must be connected to a 120 V AC power supply only.
- When connecting to an AC supply outside of the U.S.A. or Canada, use a plug adaptor to suit the AC outlet configuration.
- Do not use any other USB connection cables except the one supplied with the camera or the Battery Charger (DMW-BTC15: optional).
- Always use a genuine Panasonic Shutter Remote Control (DMW-RS2: optional).
- · Always use a genuine Panasonic Tripod Grip (DMW-SHGR1: optional).
- Use a Premium High Speed HDMI cable (Type A-Type A plug, up to 1.5 m (4.9 feet) long).
- Do not use the headphone cables with the length of 3 m (9.8 feet) or more. • Do not use the stereo microphone cables with the length of 3 m (9.8 feet) or more.
- Keep the hot shoe cover out of reach of children to prevent swallowing.
- Keep the cover for the battery grip connector out of reach of children to prevent swallowing. · Keep the memory card out of reach of children to prevent swallowing.
- Excessive sound pressure from earphones and headphones can cause hearing loss.
- When using an AC adaptor, ensure that the Panasonic DC Coupler (DMW-DCC17: optional)
- and AC Adaptor (DMW-AC10PP; optional) are used Always use a genuine Panasonic AC Adaptor (DMW-AC10PP: optional).

Standard Accessories

Product numbers correct as of April 2023

Digital camera body

Battery pack Body cap*1 1HE1MC891Z DMW-BLK22 AC adaptor Hot shoe cover*1

VSK0815F DVYF11217 Cover for the battery grip connector* **IISB** connection cable

K1HY24YY0026 Shoulder strap DVPW1031Z

Interchangeable lens "LUMIX S 20-60mm F3.5-5.6"*2,3

S-R2060 Lens hood Lens rear cap*4 1ZE4SR2060Z RGE1Z276Z Lens cap*4

Interchangeable lens "LUMIX S 50mm F1.8"*3, 5

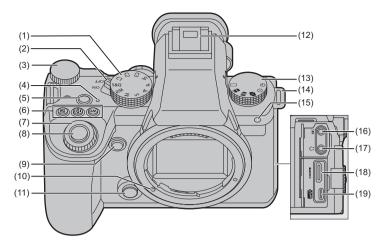
S-S50 Lens hood Lens rear cap* 1ZE2SS50Z RGE1Z276Z

Lens cap*4 CGF172937

CGE1Z293Z

- *1 This is attached to the camera at the time of purchase
- *2 This is supplied with Lens Kit DC-S5M2XK.
- *3 This is supplied with Double Lens Kit DC-S5M2XW
- *4 This is attached to the lens at the time of purchase.
- *5 This is supplied with Lens Kit DC-S5M2XC
- If accessories are lost, customers can visit us at http://shop.panasonic.com/support for further information about obtaining replacement parts.
- To order optional accessories please visit http://shop.panasonic.com or your local Photo Specialty Dealer

Names of Important Parts

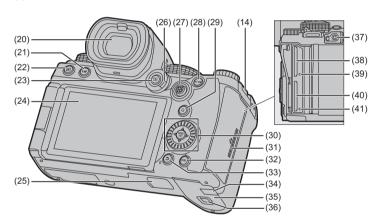


- (1) Mode dial (10) Lens lock pin (Lens fitting mark) (2) Camera on/off switch
- (3) Rear dial
- (4) Charging light/Network connection light (5) Video rec. button
- (6) [WB] (White balance) button [ISO] (ISO sensitivity) button

[] (Exposure compensation) button

- (7) Front dial
- (8) Shutter button (9) Preview buttor

- (11) Lens release button
- (12) Hot shoe (hot shoe cover)
- (13) Drive mode dial (14) Shoulder strap evelet
- (15) Self-timer light/AF assist light
- (16) [MIC] socket
- (17) Headphone socket (18) HDMI socket
- (19) USB port

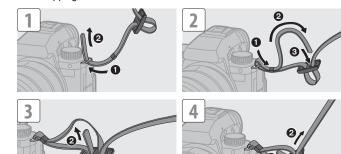


- (20) Viewfinder
- (21) [LVF] button
- (22) [Playback) button
- (24) Monitor/Touch screen (25) Battery grip connector (cover for the
- battery grip connector)
- (26) Focus mode lever (27) Joystick
- (28) [AF ON] button
- (29) [Q] (Quick menu) button
 - (30) Control dial (() Cursor buttons (▲▼◀►) [MENU/SET] button (

- (31) Card door
- (32) [DISP.] button (33) [**5**] (Cancel) button/
- [m] (Delete) button
- (34) DC coupler cover
- (35) Battery door
- (36) Battery door release level (37) [REMOTE] socket
- (38) Card slot 1
- (39) Card access light 1 (40) Card slot 2
- (41) Card access light 2

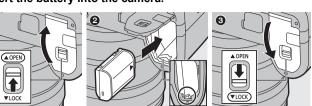
Attaching a Shoulder Strap

Attach a shoulder strap to the camera with the following procedure to prevent it from dropping



Charging the Battery

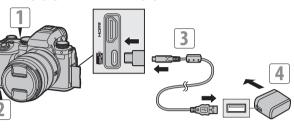
- Set the camera on/off switch to [OFF].
- 2 Insert the battery into the camera.



Connect the camera USB port and the AC adaptor using the USB connection cable.

Connect the AC adaptor to an electrical outlet.

• The charging light turns red and charging begins. The charging light turns off when charging is complete



Approx. 220 min

- The battery that can be used with the camera is DMW-BLK22. (As of April 2023)
- Always use genuine Panasonic batteries (DMW-BLK22).

· Using the camera body and the supplied AC adapto

- If you use other batteries, we cannot guarantee the quality of this product.
- For charging, use this camera or the Battery Charger (DMW-BTC15: optional) and the items supplied with them. • Do not use any other AC adaptors except the one supplied with the camera or the
- Battery Charger (DMW-BTC15: optional). • Even when the camera on/off switch is set to [OFF] thus turning the camera off, it

consumes power When the camera will not be used for a long time, remove the power plug from the

Inserting Cards (Optional)

electrical outlet in order to save power

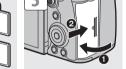
You can use SD memory cards with this camera.

 For information on memory cards with confirmed operation, check the following support site

https://panasonic.jp/support/global/cs/dsc/connect/index.html

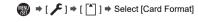






• Match the orientation of the cards as shown in the figure and then insert them firmly until • To remove a card, confirm that the corresponding card access light has turned off, push the

card until it clicks, then pull the card out straight. · Format the cards with the camera before use

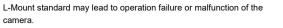


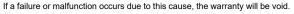
Attaching a Lens

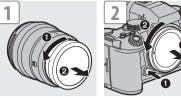
(English only)

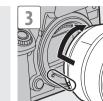
The lens mount of this camera is compliant with the L-Mount standard of Leica Camera AG

- · Refer to catalogs/websites for information regarding supported lenses. https://panasonic.jp/support/global/cs/dsc/connect/index.html
- Attaching commercially available accessories that do not comply with the L-Mount standard may lead to operation failure or malfunction of the





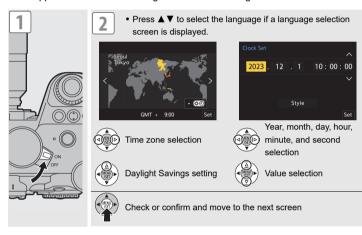






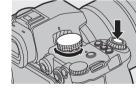
Setting the Clock (When Turning On for the First Time)

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.



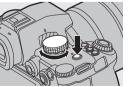
Taking Pictures

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

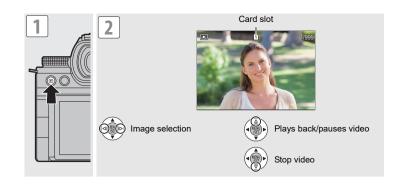


Recording Videos

- 1 Rotate the mode dial to select the recording mode.
- 2 Press the video rec. button to start recording.
- 3 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.ip/support/global/cs/dsc/download/index4.html (English only)



Splash Resistant

Snlash 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

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.

❖ 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
- 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 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-S5M2X):

Power source:	9.0 V ===
Power consumption:	4.9 W (when recording with the monitor), 3.9 W (when playing back with the monitor) [When using the interchangeable lens (S-R2060)]
	5.0 W (when recording with the monitor), 4.0 W (when playing back with the monitor)
	[When using the interchangeable lens (S-S50)]

	[When using the interchangeable lens (S-S50)]		
Гуре			
Туре	Digital Single Lens Mirrorless camera		
Lens mount	Leica Camera AG L-Mount		
Recording media	SD memory card / SDHC memory card / SDXC memory card		
mage sensor			
Image sensor	35 mm full-frame (35.6 mm×23.8 mm) CMOS sensor, a total of		
	25,280,000 pixels, primary color filter		
Effective number of			
pixels of the camera	24,200,000 pixels		
/iewfinder			
Туре	Aspect ratio 4:3, 0.5 inches, approx. 3,680,000 dots,		
	organic EL (OLED) live view viewfinder		
Magnification	Approx. 0.78× (-1.0 m ⁻¹ 50 mm at infinity, with aspect ratio set to		
	[3:2])		
Monitor			
Туре	Aspect ratio 3:2, 3.0 inches,		
	approx. 1,840,000 dots monitor, capacitive touch screen		
nterface			
USB	USB Type-C®, SuperSpeed USB 10Gbps (USB 3.2 Gen 2)		
	Supports USB Power Delivery (9.0 V/3.0 A)		
	Output: DC 5 V, 900 mA		
HDMI	HDMI Type A		
[REMOTE]	Ø2.5 mm jack		
[MIC]	Ø3.5 mm stereo mini jack		
Headphones	Ø2 E mm stores mini leek		
пеаципопез	Ø3.5 mm stereo mini jack		
External dimensions / M	, ,		
External dimensions / M	, ,		
External dimensions / M	ass (Weight)		
External dimensions / M	Approx. 134.3 mm (W)×102.3 mm (H)×90.1 mm (D)		
External dimensions / M	Approx. 134.3 mm (W)×102.3 mm (H)×90.1 mm (D) (5.29" (W)×4.03" (H)×3.55" (D)) (excluding the projecting parts) Approx. 740 g/1.64 lb (camera body, with battery and one card)		
External dimensions / M External dimensions	Approx. 134.3 mm (W)×102.3 mm (H)×90.1 mm (D) (5.29" (W)×4.03" (H)×3.55" (D)) (excluding the projecting parts)		
External dimensions / M External dimensions Mass (Weight) Departing environment	Approx. 134.3 mm (W)×102.3 mm (H)×90.1 mm (D) (5.29" (W)×4.03" (H)×3.55" (D)) (excluding the projecting parts) Approx. 740 g/1.64 lb (camera body, with battery and one card)		
External dimensions / M External dimensions Mass (Weight) Departing environment Recommended	Approx. 134.3 mm (W)×102.3 mm (H)×90.1 mm (D) (5.29" (W)×4.03" (H)×3.55" (D)) (excluding the projecting parts) Approx. 740 g/1.64 lb (camera body, with battery and one card) Approx. 657 g/1.45 lb (only camera body)		
External dimensions / M External dimensions Mass (Weight) Departing environment Recommended operating	Approx. 134.3 mm (W)×102.3 mm (H)×90.1 mm (D) (5.29" (W)×4.03" (H)×3.55" (D)) (excluding the projecting parts) Approx. 740 g/1.64 lb (camera body, with battery and one card)		
External dimensions / M External dimensions Mass (Weight) Departing environment Recommended operating temperature	Approx. 134.3 mm (W)×102.3 mm (H)×90.1 mm (D) (5.29" (W)×4.03" (H)×3.55" (D)) (excluding the projecting parts) Approx. 740 g/1.64 lb (camera body, with battery and one card) Approx. 657 g/1.45 lb (only camera body)		
External dimensions / M External dimensions Mass (Weight) Departing environment Recommended operating temperature Permissible relative	Approx. 134.3 mm (W)×102.3 mm (H)×90.1 mm (D) (5.29" (W)×4.03" (H)×3.55" (D)) (excluding the projecting parts) Approx. 740 g/1.64 lb (camera body, with battery and one card) Approx. 657 g/1.45 lb (only camera body)		
External dimensions / M External dimensions Mass (Weight) Departing environment Recommended operating temperature Permissible relative humidity	ass (Weight) Approx. 134.3 mm (W)×102.3 mm (H)×90.1 mm (D) (5.29" (W)×4.03" (H)×3.55" (D)) (excluding the projecting parts) Approx. 740 g/1.64 lb (camera body, with battery and one card) Approx. 657 g/1.45 lb (only camera body) 0 °C to 40 °C (32 °F to 104 °F)		
External dimensions / M External dimensions Mass (Weight) Departing environment Recommended operating temperature Permissible relative humidity Ni-Fi	ass (Weight) Approx. 134.3 mm (W)×102.3 mm (H)×90.1 mm (D) (5.29" (W)×4.03" (H)×3.55" (D)) (excluding the projecting parts) Approx. 740 g/1.64 lb (camera body, with battery and one card) Approx. 657 g/1.45 lb (only camera body) 0 °C to 40 °C (32 °F to 104 °F)		
External dimensions / M External dimensions Mass (Weight) Departing environment Recommended operating temperature Permissible relative humidity	ass (Weight) Approx. 134.3 mm (W)×102.3 mm (H)×90.1 mm (D) (5.29" (W)×4.03" (H)×3.55" (D)) (excluding the projecting parts) Approx. 740 g/1.64 lb (camera body, with battery and one card) Approx. 657 g/1.45 lb (only camera body) 0 °C to 40 °C (32 °F to 104 °F)		
External dimensions / M External dimensions Mass (Weight) Departing environment Recommended operating temperature Permissible relative humidity Ni-Fi Compliance	ass (Weight) Approx. 134.3 mm (W)×102.3 mm (H)×90.1 mm (D) (5.29" (W)×4.03" (H)×3.55" (D)) (excluding the projecting parts) Approx. 740 g/1.64 lb (camera body, with battery and one card) Approx. 657 g/1.45 lb (only camera body) 0 °C to 40 °C (32 °F to 104 °F)		
External dimensions / M External dimensions Mass (Weight) Departing environment Recommended operating temperature Permissible relative humidity Ni-Fi Compliance standard	ass (Weight) Approx. 134.3 mm (W)×102.3 mm (H)×90.1 mm (D) (5.29" (W)×4.03" (H)×3.55" (D)) (excluding the projecting parts) Approx. 740 g/1.64 lb (camera body, with battery and one card) Approx. 657 g/1.45 lb (only camera body) 0 °C to 40 °C (32 °F to 104 °F) 10 %RH to 80 %RH		
External dimensions / M External dimensions Mass (Weight) Deparating environment Recommended operating temperature Permissible relative humidity Wi-Fi Compliance standard Frequency range	ass (Weight) Approx. 134.3 mm (W)×102.3 mm (H)×90.1 mm (D) (5.29" (W)×4.03" (H)×3.55" (D)) (excluding the projecting parts) Approx. 740 g/1.64 lb (camera body, with battery and one card) Approx. 657 g/1.45 lb (only camera body) 0 °C to 40 °C (32 °F to 104 °F) 10 %RH to 80 %RH IEEE 802.11a/b/g/n/ac (standard wireless LAN protocol) 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/		
External dimensions / M External dimensions Mass (Weight) Deparating environment Recommended operating temperature Permissible relative humidity Wi-Fi Compliance standard Frequency range used (central	ass (Weight) Approx. 134.3 mm (W)×102.3 mm (H)×90.1 mm (D) (5.29" (W)×4.03" (H)×3.55" (D)) (excluding the projecting parts) Approx. 740 g/1.64 lb (camera body, with battery and one card) Approx. 657 g/1.45 lb (only camera body) 0 °C to 40 °C (32 °F to 104 °F) 10 %RH to 80 %RH IEEE 802.11a/b/g/n/ac (standard wireless LAN protocol) 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)		
External dimensions / M External dimensions Mass (Weight) Deparating environment Recommended operating temperature Permissible relative humidity Wi-Fi Compliance standard Frequency range used (central frequency)	Ass (Weight) Approx. 134.3 mm (W)×102.3 mm (H)×90.1 mm (D) (5.29" (W)×4.03" (H)×3.55" (D)) (excluding the projecting parts) Approx. 740 g/1.64 lb (camera body, with battery and one card) Approx. 657 g/1.45 lb (only camera body) 0 °C to 40 °C (32 °F to 104 °F) 10 %RH to 80 %RH IEEE 802.11a/b/g/n/ac (standard wireless LAN protocol) 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)		
External dimensions / M External dimensions Mass (Weight) Departing environment Recommended operating temperature Permissible relative humidity Ni-Fi Compliance standard Frequency range used (central frequency) Encryption method	ass (Weight) Approx. 134.3 mm (W)×102.3 mm (H)×90.1 mm (D) (5.29" (W)×4.03" (H)×3.55" (D)) (excluding the projecting parts) Approx. 740 g/1.64 lb (camera body, with battery and one card) Approx. 657 g/1.45 lb (only camera body) 0 °C to 40 °C (32 °F to 104 °F) 10 %RH to 80 %RH IEEE 802.11a/b/g/n/ac (standard wireless LAN protocol) 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) Wi-Fi compliant WPA™ / WPA2™ / WPA3™		
External dimensions / M External dimensions Mass (Weight) Departing environment Recommended operating temperature Permissible relative humidity Ni-Fi Compliance standard Frequency range used (central frequency) Encryption method Access method	Ass (Weight) Approx. 134.3 mm (W)×102.3 mm (H)×90.1 mm (D) (5.29" (W)×4.03" (H)×3.55" (D)) (excluding the projecting parts) Approx. 740 g/1.64 lb (camera body, with battery and one card) Approx. 657 g/1.45 lb (only camera body) 0 °C to 40 °C (32 °F to 104 °F) 10 %RH to 80 %RH IEEE 802.11a/b/g/n/ac (standard wireless LAN protocol) 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)		
External dimensions / M External dimensions Mass (Weight) Departing environment Recommended operating temperature Permissible relative humidity Ni-Fi Compliance standard Frequency range used (central frequency) Encryption method Access method Bluetooth®	ass (Weight) Approx. 134.3 mm (W)×102.3 mm (H)×90.1 mm (D) (5.29" (W)×4.03" (H)×3.55" (D)) (excluding the projecting parts) Approx. 740 g/1.64 lb (camera body, with battery and one card) Approx. 657 g/1.45 lb (only camera body) 0 °C to 40 °C (32 °F to 104 °F) 10 %RH to 80 %RH IEEE 802.11a/b/g/n/ac (standard wireless LAN protocol) 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) Wi-Fi compliant WPA™ / WPA2™ / WPA3™		
External dimensions / M External dimensions Mass (Weight) Departing environment Recommended operating temperature Permissible relative humidity Ni-Fi Compliance standard Frequency range used (central frequency) Encryption method Access method Bluetooth® Compliance	ass (Weight) Approx. 134.3 mm (W)×102.3 mm (H)×90.1 mm (D) (5.29" (W)×4.03" (H)×3.55" (D)) (excluding the projecting parts) Approx. 740 g/1.64 lb (camera body, with battery and one card) Approx. 657 g/1.45 lb (only camera body) 0 °C to 40 °C (32 °F to 104 °F) 10 %RH to 80 %RH IEEE 802.11a/b/g/n/ac (standard wireless LAN protocol) 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) Wi-Fi compliant WPA™ / WPA2™ / WPA3™ Infrastructure mode		
External dimensions / M External dimensions Mass (Weight) Departing environment Recommended operating temperature Permissible relative humidity Ni-Fi Compliance standard Frequency range used (central frequency) Encryption method Access method Bluetooth® Compliance standard	ass (Weight) Approx. 134.3 mm (W)×102.3 mm (H)×90.1 mm (D) (5.29" (W)×4.03" (H)×3.55" (D)) (excluding the projecting parts) Approx. 740 g/1.64 lb (camera body, with battery and one card) Approx. 657 g/1.45 lb (only camera body) 0 °C to 40 °C (32 °F to 104 °F) 10 %RH to 80 %RH IEEE 802.11a/b/g/n/ac (standard wireless LAN protocol) 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) Wi-Fi compliant WPA™ / WPA2™ / WPA3™		
External dimensions / M External dimensions Mass (Weight) Departing environment Recommended operating temperature Permissible relative humidity Ni-Fi Compliance standard Frequency range used (central frequency) Encryption method Access method Bluetooth® Compliance standard Frequency range	ass (Weight) Approx. 134.3 mm (W)×102.3 mm (H)×90.1 mm (D) (5.29" (W)×4.03" (H)×3.55" (D)) (excluding the projecting parts) Approx. 740 g/1.64 lb (camera body, with battery and one card) Approx. 657 g/1.45 lb (only camera body) 0 °C to 40 °C (32 °F to 104 °F) 10 %RH to 80 %RH IEEE 802.11a/b/g/n/ac (standard wireless LAN protocol) 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 (100/104/108/112/116/120/124/128/132/136/140/144/ch) 5745 MHz to 5825 MHz (149/153/157/161/165ch) Wi-Fi compliant WPA™ / WPA2™ / WPA3™ Infrastructure mode Bluetooth v5.0, Bluetooth Low Energy (BLE)		
External dimensions / M External dimensions Mass (Weight) Departing environment Recommended operating temperature Permissible relative humidity Ni-Fi Compliance standard Frequency range used (central frequency) Encryption method Access method Bluetooth® Compliance standard	ass (Weight) Approx. 134.3 mm (W)×102.3 mm (H)×90.1 mm (D) (5.29" (W)×4.03" (H)×3.55" (D)) (excluding the projecting parts) Approx. 740 g/1.64 lb (camera body, with battery and one card) Approx. 657 g/1.45 lb (only camera body) 0 °C to 40 °C (32 °F to 104 °F) 10 %RH to 80 %RH IEEE 802.11a/b/g/n/ac (standard wireless LAN protocol) 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) Wi-Fi compliant WPA™ / WPA2™ / WPA3™ Infrastructure mode		

AC adaptor (Panasonic VSK0815F):

Information for your safety

Input:	110 V−240 V ~ 50/60 Hz 0.25 A
Output:	5.0 V=== 1.8 A
Operating temperature:	0 °C to 40 °C (32 °F to 104 °F)

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:

AC DC

Class II equipment (The construction of the product is double-insulated.)

Sy 3 Sy 3

HDMI

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 and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries
- USB Type-C[®] and USB-C[®] are registered
- trademarks of USB Implementers Forum. • The USB Type-C® Charging Trident Logos are
- trademarks of USB Implementers Forum, Inc.
- The SuperSpeed USB 10Gbps Trident Logo is a registered trademark of USB Implementers
- 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@gg.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.

[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	00 D	Not Amelia alda	
(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 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