

Panasonic®

ENGLISH



Basic Owner's Manual Digital Camera

Model No. **DMC-LS5**



Before connecting, operating or adjusting this product, please read the instructions completely.

More detailed instructions on the operation of this camera are contained in "Owner's Manual for advanced features (PDF format)" in the supplied CD-ROM. Install it on your PC to read it.



For USA and Puerto Rico assistance, please call: 1-800-211-PANA(7262) or, contact us via the web at: <http://www.panasonic.com/contactinfo>

Panasonic Consumer Electronics Company,
Division of Panasonic Corporation of North America

One Panasonic Way, Secaucus, NJ 07094



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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 on the 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.

Carefully observe copyright laws.

- Recording of pre-recorded tapes or discs or other published or broadcast material for purposes other than your own private use may infringe copyright laws. Even for the purpose of private use, recording of certain material may be restricted.

Information for Your Safety

WARNING:

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR PRODUCT DAMAGE,

- DO NOT EXPOSE THIS APPARATUS TO RAIN, MOISTURE, DRIPPING OR SPLASHING AND THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS.
- USE ONLY THE RECOMMENDED ACCESSORIES.
- DO NOT REMOVE THE COVER (OR BACK); THERE ARE NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

■ About the batteries

CAUTION

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

- Do not heat or expose to flame.
- Do not leave the battery(ies) in an automobile exposed to direct sunlight for a long period of time with doors and windows closed.

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: 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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Declaration of Conformity

Trade Name: Panasonic

Model No.: DMC-LS5

Responsible party: Panasonic Corporation of North America
One Panasonic Way,
Secaucus, NJ 07094
Support Contact: Panasonic Consumer Electronics Company
1-800-211-PANA (7262)

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.



■ Cautions for Use

- Do not use any other USB connection cables except the supplied one.

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 generated by microprocessors 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. Then reinsert the battery 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.

-If you see this symbol-



Information on Disposal in other Countries outside the European Union

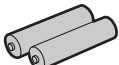
This symbol is only valid in the European Union. If you wish to discard this product, please contact your local authorities or dealer and ask for the correct method of disposal.

1. Standard accessories

Check that all the accessories are supplied before using the camera.

☐ Batteries

- LR6/AA Alkaline batteries



☐ Hand strap

VFC4737



☐ USB connection cable

K1HY08YY0023



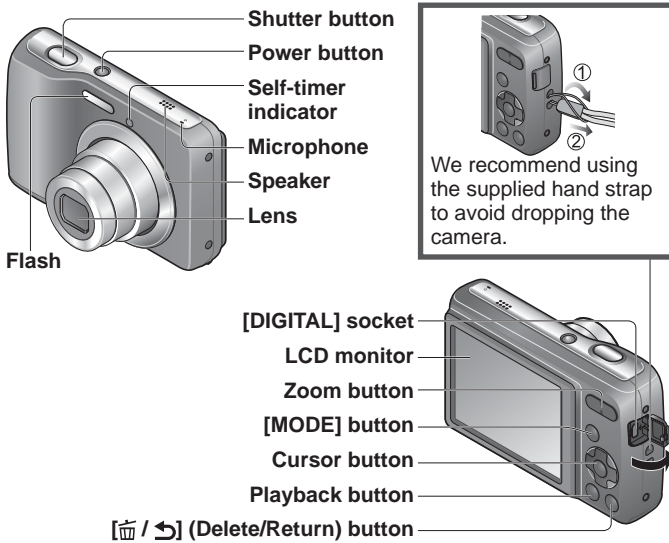
☐ CD-ROM

VFF0848



- If any accessories are lost, customers should contact Panasonic's parts department at 1 800 833-9626 for further information about obtaining replacement parts.
- For information about optional accessories, refer to the "Digital Camera Accessory System".
- Please dispose of all packaging appropriately.
- Keep small parts in a safe place out of the reach of children.

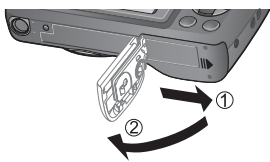
2. Names of parts



- Be careful not to block the microphone or the speaker.

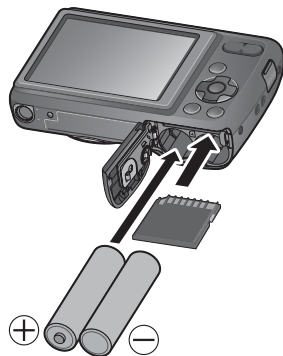
3. Inserting the card (optional)/the batteries

1 Open the card/battery door



2 Insert the batteries or card

- Make sure that their orientation is correct.



■ Usable batteries

- LR6/AA Alkaline batteries (supplied)
- HR6/AA Rechargeable Ni-MH (nickel metal hydride) batteries (optional)
- Do not use batteries other than those listed above.

■ Recording capacity guidelines (pictures/recording time)

| | Supplied batteries or optional Panasonic alkaline batteries | Fully-charged Panasonic Ni-MH batteries (optional, when the battery capacity is 1950 mAh) |
|-------------------------------|---|---|
| Number of recordable pictures | Approx. 160 pictures | Approx. 320 pictures |
| Recording time | Approx. 80 min. | Approx. 160 min. |
| Playback time | Approx. 480 min. | Approx. 640 min. |

Please note that the performance of alkaline batteries significantly decreases in low temperature conditions.

- Recording conditions by CIPA standard
- Keep the Memory Card out of reach of children to prevent swallowing.

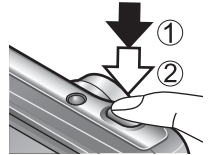
4. Sequence of operations

1 Press the Power button

The power is turned on.

2 Press the shutter button and take pictures

- ① Press halfway (press lightly and focus)
- ② Press fully (press the button all the way to record)



■ Selecting the Recording Mode

Press [MODE] button to select the Recording Mode.

- Taking pictures with automatic settings.
- Take pictures with your own settings.
- Take pictures according to scene.
- Take motion pictures.

■ Setting the menu

Press [MENU/SET] to display the menu screen to change the recording function, camera settings, and other settings.

■ Viewing your pictures

1 Press the Playback button

2 Press to select the picture

- Deleting pictures

- ① Press to delete the displayed picture
- ② Press to select [Yes] and then press [MENU/SET]

- In this manual, the button that is used is shaded.

Specifications

| | |
|-------------------------|--|
| Camera effective pixels | 14,100,000 pixels |
| Lens | Optical 5 × zoom f=4.7 mm to 23.5 mm (35 mm film camera equivalent: 26 mm to 130 mm)/F2.8 (Max. W) to F6.5 (Max. T) |
| Image Stabilizer | Optical method |
| LCD monitor | 2.7" TFT LCD (4:3) (Approx. 230,400 dots) (field of view ratio about 100%) |
| Flash | Flash range: (ISO AUTO) Approx. 0.6 m (1.97 feet) to 4.6 m (15.09 feet) (Wide) |
| Microphone | Monaural |
| Speaker | Monaural |
| Recording media | Built-in Memory (Approx. 10 MB)/SD Memory Card/SDHC Memory Card/SDXC Memory Card |
| Recording file format | JPEG (still picture) QuickTime Motion JPEG (motion pictures with audio) |
| Interface | USB 2.0 (High Speed) |
| Terminal | DIGITAL: Dedicated jack (8 pin) |
| Dimensions | Approx. 96.5 mm (W) × 62.0 mm (H) × 27.2 mm (D) [3.8" (W) × 2.45" (H) × 1.07" (D)] (excluding the projection part) |
| Mass (weight) | With card and battery: Approx. 173 g (0.38 lb) Excluding card and battery: Approx. 126 g (0.28 lb) |
| Operating temperature | Between 0 °C and 40 °C (Between 32 °F and 104 °F) (Operating humidity: Between 10%RH and 80%RH) |
| Language select | English / Spanish |
| Power Source | DC 3 V LR6/AA Alkaline batteries (2) (supplied) DC 2.4 V HR6/AA Rechargeable Ni-MH (nickel metal hydride) batteries (2) |
| Power Consumption | When recording: 1.4 W When playing back: 0.8 W |