



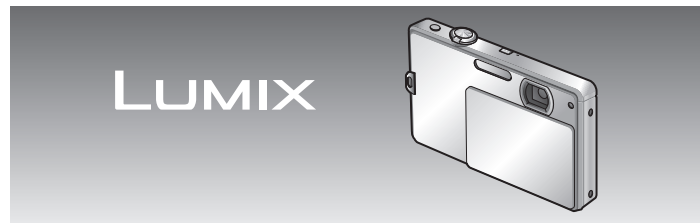
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Panasonic®

Basic Operating Instructions

Digital Camera

Model No. **DMC-FP2**
DMC-FP1



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

Panasonic®

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Please also refer to Operating Instructions (PDF format) recorded on the CD-ROM containing the Operating Instructions (supplied).

You can learn about advanced operation methods and check the Troubleshooting.



For Canadian assistance, please call: 1-800-99-LUMIX (1-800-995-8649) or send e-mail to: lumixconcierge@ca.panasonic.com



VQT2K16
M1209KZ0

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 the 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. 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 these Operating Instructions.

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.

Model No. _____

Serial No. _____



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.

Information for Your Safety

THE SOCKET OUTLET SHALL BE INSTALLED NEAR THE EQUIPMENT AND SHALL BE EASILY ACCESSIBLE.

This Class B digital apparatus complies with Canadian ICES-003.

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.

Product Identification Marking is located on the bottom of units.

■ 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 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.

Warning

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

■ About the battery charger

CAUTION!

DO NOT INSTALL OR PLACE THIS UNIT IN A BOOKCASE, BUILT-IN CABINET OR IN ANOTHER CONFINED SPACE. ENSURE THE UNIT IS WELL VENTILATED. TO PREVENT RISK OF ELECTRIC SHOCK OR FIRE HAZARD DUE TO OVERHEATING, ENSURE THAT CURTAINS AND ANY OTHER MATERIALS DO NOT OBSTRUCT THE VENTILATION VENTS.

Battery charger

This battery charger operates on AC between 110 V and 240 V.

But

- In the U.S.A. and Canada, the battery charger 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.

■ Cautions for Use

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

Keep the camera as far away as possible from electromagnetic equipment (such as microwave ovens, TVs, video games etc.).

- If you use the camera on top of or near a TV, the pictures and sound on the camera may be disrupted by electromagnetic wave radiation.
- Do not use the camera near cell phones because doing so may result in noise adversely affecting the pictures and 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 the camera, disturbing 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 or disconnect AC adaptor (DMW-AC5PP; optional). Then reinsert the battery or reconnect AC adaptor and turn the camera on.

Do not use the camera near radio transmitters or high-voltage lines.

- If you record near radio transmitters or high-voltage lines, the recorded pictures and 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.

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Standard accessories

Check that all the accessories are included before using the camera. Part numbers are as of January 2010.

☐ Battery Pack

DMW-BCH7PP

- Charge the battery before use.

Battery Pack is indicated as battery pack or battery in the text.



☐ Hand Strap

VFC4297



☐ USB Connection Cable

K1HA08AD0002



☐ Battery Charger

DE-A75B



Battery Charger is indicated as battery charger or charger in the text.

☐ AV Cable

K1HA08CD0028



☐ CD-ROM

VFF0588

- Software:
Use it to install the software on your PC.
- Operating Instructions



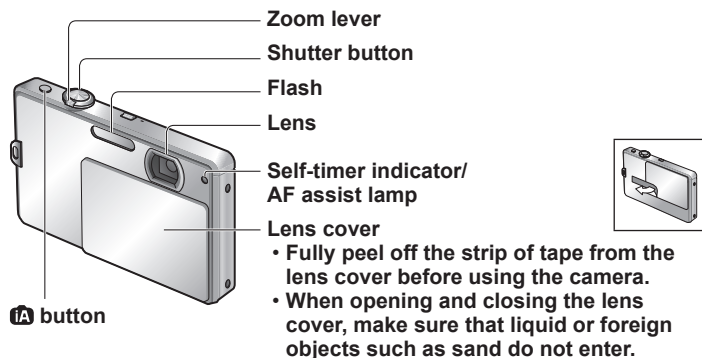
☐ Battery Carrying Case

VGQ0J54

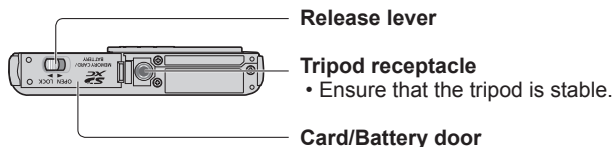
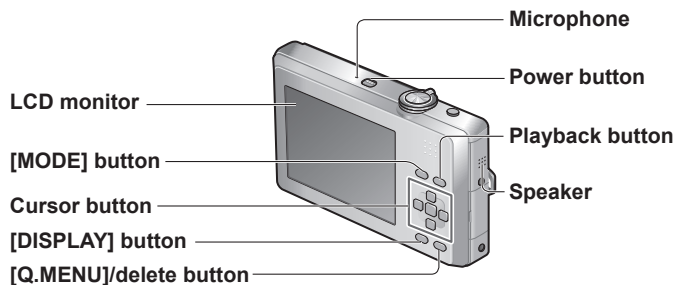


- Cards are optional. You can record or play back pictures on the built-in memory when you are not using a card.
- If any accessories are lost, customers should contact 1 800 99-LUMIX (1-800-995-8649) for further information about obtaining replacement parts.
- Please dispose of all packaging appropriately.

Names of parts



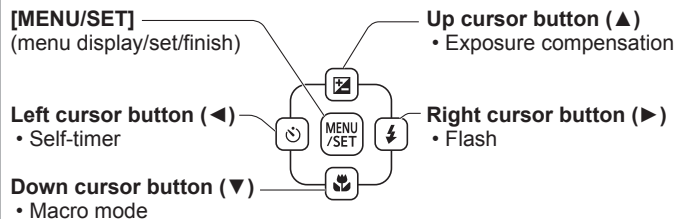
iA button



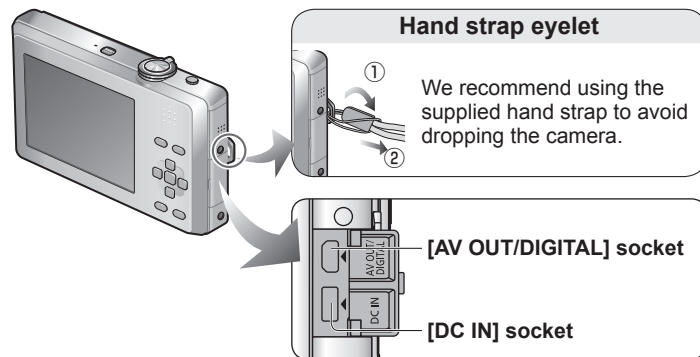
- We recommend you use a battery with sufficient battery power or the AC adaptor when recording motion pictures.

The illustrations and screens in this manual may differ from the actual product. This manual uses the screens from DMC-FP1 as examples in its explanations.

Cursor button



- In this manual, the button that is used is shaded or indicated by ▲ ▼ ▶ ◀.



- Always use a genuine Panasonic AC adaptor (DMW-AC5PP: optional).
- If while recording motion pictures using the AC adaptor the power supply is cut off due to a power cut or if the AC adaptor is disconnected etc., the motion picture being recorded will not be recorded.

Charging battery

■ About batteries that you can use with this unit

The battery that can be used with this unit is DMW-BCH7PP.

It has been found that counterfeit battery packs which look very similar to the genuine product are made available to purchase in some markets. Some of these battery packs are not adequately protected with internal protection to meet the requirements of appropriate safety standards. There is a possibility that these battery packs may lead to fire or explosion. Please be advised that we are not liable for any accident or failure occurring as a result of use of a counterfeit battery pack. To ensure that safe products are used we would recommend that a genuine Panasonic battery pack is used.

- Use the dedicated charger and battery.
- The camera has a function for distinguishing batteries which can be used safely. The dedicated battery (DMW-BCH7PP) supports this function. The only batteries suitable for use with this unit are genuine Panasonic products and batteries manufactured by other companies and certified by Panasonic. (Batteries which do not support this function cannot be used). Panasonic cannot in any way guarantee the quality, performance or safety of batteries which have been manufactured by other companies and are not genuine Panasonic products.
- The battery is not charged when the camera is shipped. Charge the battery and set the clock before use.
- Charge the battery with the charger indoors (10 °C - 35 °C) (50 °F - 95 °F).

1 Insert the battery terminals and attach the battery to the charger

Ensure [LUMIX] faces outwards.

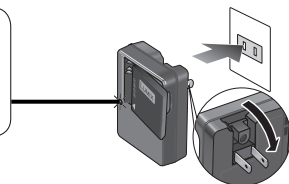


2 Connect the charger to the electrical outlet

Charging light ([CHARGE])

On: Charging in progress
(approx. 110 min. if fully depleted)

Off: Charging complete



3 Detach the battery after charging is completed

■ Guidelines for number of recordable pictures and recording time

Number of recordable pictures	Approx. 300 pictures
Recording time	Approx. 150 min
Playback time	Approx. 260 min

Recording conditions by CIPA standard

- CIPA is an abbreviation of [Camera & Imaging Products Association].
 - [NORMAL PICTURE] Mode
 - Temperature: 23 °C (73.4 °F)/Humidity: 50% when LCD monitor is on.*
 - Using a Panasonic SD Memory Card (32 MB).
 - Using the supplied battery.
 - Starting recording 30 seconds after the camera is turned on. (When the optical image stabilizer function is set to [AUTO].)
 - Recording once every 30 seconds with full flash every second recording.
 - Rotating the zoom lever from Tele to Wide or vice versa in every recording.
 - Turning the camera off every 10 recordings and leaving it until the temperature of the battery decreases.
- * The number of recordable pictures decreases in Auto Power LCD Mode and Power LCD Mode.

Inserting and removing the card (optional)/ the battery

1 Turn the camera off and slide the release lever (A) to [OPEN] before opening the lid

2 Completely insert battery and card

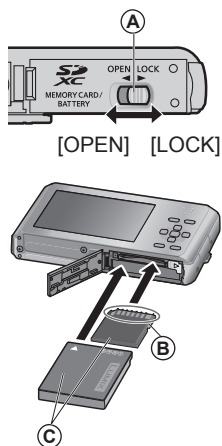
(both click into place)

(B) Do not touch terminal

(C) Check orientation

3 Close lid

Slide to the [LOCK] position.

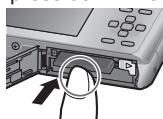


■ To remove

- **To remove battery:**
move lever in direction of arrow.



- **To remove card:**
press down in center.



- Always use genuine Panasonic batteries (DMW-BCH7PP).
- If you use other batteries, we cannot guarantee the quality of this product.
- The card may be damaged if it is not fully inserted.

Picture save destination (cards and built-in memory)

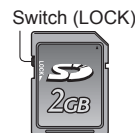
■ Built-in memory (approx. 40 MB)

- The built-in memory can be used as a temporary storage device when the card being used becomes full.
- The access time for the built-in memory may be longer than the access time for a card.

■ Compatible memory cards (optional)

The following SD standard-based cards
(Panasonic brand recommended)

Type of Card	Capacity	Notes
SD memory cards	8 MB – 2 GB	• Can be used with devices compatible with the respective formats. • Before using SDXC memory cards, check that your computer and other devices support this type of card. http://panasonic.net/avc/sdcard/information/SDXC.html • Cards in capacities not listed at left are not supported.
SDHC memory cards	4 GB – 32 GB	
SDXC memory cards	48 GB – 64 GB	



- If the write-protect switch is set to 'LOCK', the card cannot be used to record or delete shots, and it cannot be formatted.
- Latest information:
<http://panasonic.jp/support/global/cs/dsc/>
(This Site is English only.)

- Keep the Memory Card out of reach of children to prevent swallowing.

Setting the clock

The clock is not set when the camera is shipped.

1 Open the lens cover (A)

The power is turned on.

2 Press [MENU/SET] (B) while the message is displayed

3 Press ◀▶ to select the items (year, month, day, hour, minute, display order or time display format), and press ▲▼ to set

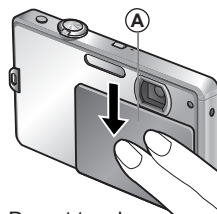
• To cancel → Press

4 Press [MENU/SET]

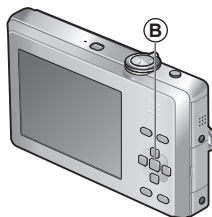
5 Confirm the setting and press [MENU/SET]

• To return to the previous screen, press .

• Turn on power again and check time display.



Do not touch the lens.



■To change time setting

Select [CLOCK SET] from [REC] or [SETUP] menu, perform 3 and 4.

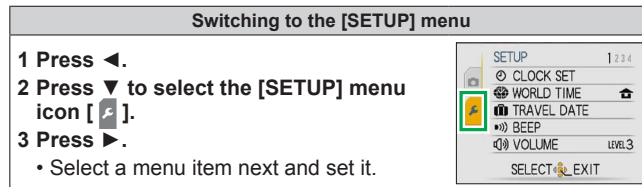
Setting the menu

Refer to the procedure example below when operating the [SETUP] menu, [REC] menu and [PLAYBACK] menu.

Example: Setting [LCD MODE] from [OFF] to [A*] in the [NORMAL PICTURE] Mode

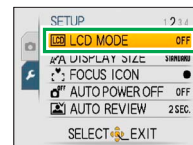
1 Press [MENU/SET] to display the menu

MENU/SET



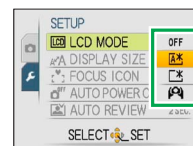
2 Press ▲▼ to select [LCD MODE] and then press ▶

• Depending on the item, its setting may not appear or it may be displayed in a different way.



3 Press ▲▼ to select [A*] and then press [MENU/SET] to set

4 Press [MENU/SET] to close the menu



Taking pictures with automatic settings

[INTELLIGENT AUTO] Mode

Recording mode: **iA**

Optimum settings are made automatically from information such as 'face,' 'movement,' 'brightness,' and 'distance' just by pointing the camera at the subject, meaning that clear pictures can be taken without the need to make settings manually.

1 Open the lens cover

The power is turned on.

2 Press **iA** (A)

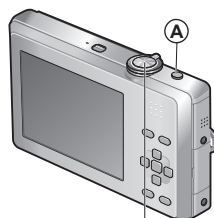
3 Take pictures



Press halfway
(press lightly and focus)



Press fully
(press the button all the way to record)



Shutter button

- If jitter becomes noticeable, use both hands, keep your arms close to your body, and stand with your feet at shoulder width.
- **Focus display (B)**
(In focus: lit / Not in focus: flashing)
- The AF area (C) is displayed around the subject's face by the face detection function. In other cases, it is displayed at the point on the subject which is in focus.
- Focus: Max. W: 10 cm (0.33 feet)/ Max. T: 50 cm (1.64 feet) and above



Automatic scene detection

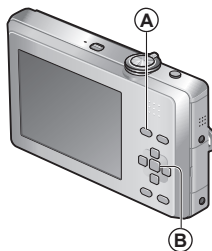
Camera identifies scene when pointed at subject, and makes optimum settings automatically. The type of scene detected is indicated by a blue icon for two seconds.

[i] PORTRAIT]: People are detected	[i] NIGHT PORTRAIT]: People and night scenery are detected (Only when iA is selected)
[i] SCENERY]: Scenery is detected	[i] NIGHT SCENERY]: Night scenery is detected
[i] MACRO]: A close-up shot is detected	[i] SUNSET]: A sunset is detected
iA Reads subject movement to avoid blurring when scene does not correspond to any of the above.	

If the camera automatically identifies the scene and determines that people appear as subjects in the picture (or), face detection is activated, and the focus and exposure are adjusted for the recognized faces.

Selecting the [REC] mode

- 1 Open the lens cover**
The power is turned on.
- 2 Press the [MODE] button (A)**
- 3 Press ▲ or ▼ to select the recording mode**
- 4 Press [MENU/SET] (B)**



	[NORMAL PICTURE] Mode Take pictures with your own settings.
MS	[MY SCENE MODE] Take pictures in commonly used scene modes.
SCN	[SCENE MODE] Take pictures according to scene.
	[MOTION PICTURE] Mode Take motion pictures.

Taking motion pictures [MOTION PICTURE] Mode

Recording mode:

Record motion picture with audio as follows. (Note that recording without audio is not possible.)

- 1 Press the [MODE] button**
- 2 Press ▲ or ▼ to select [MOTION PICTURE] Mode**
- 3 Press [MENU/SET]**

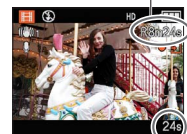
4 Start recording



5 End recording



Remaining recording time (approx.)



Elapsed recording time (approx.)

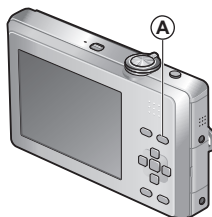
- The focus and zoom will remain as they were at the beginning of recording.
- Immediately release the shutter button after pressing it all the way.
- When there is no space left to store the motion picture, recording automatically ends.
- Motion pictures can be recorded continuously up to 2GB. To record more than 2 GB, press the shutter button again. (Remaining time for continuous recording is displayed on the screen.)

Viewing your pictures [NORMAL PLAY]

Playback mode:

1 Press (A)

2 Press to select the picture



- To play back a motion picture, select an image with or , and then press to start playback.

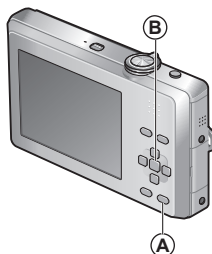
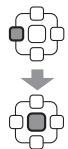
Deleting pictures

Playback mode:

Deleted pictures cannot be recovered.

1 Press to delete displayed picture (A)

2 Press to select [YES] and then press [MENU/SET] (B)



Reading the Operating Instructions (PDF format)

- You have practised the basic operations introduced in these operating instructions and want to progress to advanced operations.
- You want to check the Troubleshooting.

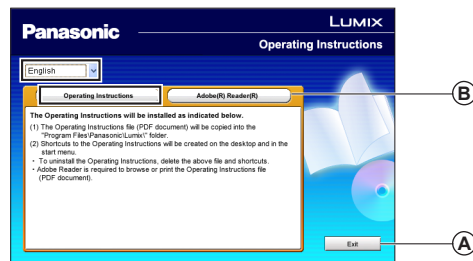
In these kinds of situations refer to Operating Instructions (PDF format) recorded on the CD-ROM containing the Operating Instructions (supplied).

■ For Windows

1 Turn the PC on and insert the CD-ROM containing the Operating Instructions (supplied)

2 Click the [Operating Instructions]

3 Select the desired language and then click [Operating Instructions] to install



- (A) To return to the install menu.
- (B) See next page.

4 Double click the 'Operating Instructions' shortcut icon on the desktop

Reading the Operating Instructions

(PDF format) (Continued)

■When the Operating Instructions (PDF format) will not open

You will need Adobe Acrobat Reader 5.0 or later or Adobe Reader 7.0 or later to browse or print the Operating Instructions (PDF format). Insert the CD-ROM containing the Operating Instructions (supplied), click (B) and then follow the messages on the screen to install. Compatible OS: Windows 2000 SP4/Windows XP SP2 or SP3/Windows Vista SP1 or SP2/Windows 7

- You can download and install a version of Adobe Reader that you can use with your OS from the following Web Site.
<http://get.adobe.com/reader/otherversions>

■To uninstall the Operating Instructions (PDF format)

Delete the PDF file from the 'Program Files\Panasonic\Lumix\l' folder.

- When the contents in the Program Files folder cannot be displayed, click the [Show the contents of this folder] to display them.

■For Macintosh

- 1 Turn the PC on and insert the CD-ROM containing the Operating Instructions (supplied)
- 2 Open the 'Manual' folder in the CD-ROM and then copy the PDF file with the desired language inside the folder
- 3 Double click the PDF file to open it

Specifications

Digital Camera: Information for your safety

Power Source	DC 5.1 V
Power Consumption	When recording: 1.0 W When playing back: 0.6 W
Camera effective pixels	14,100,000 pixels (DMC-FP2) / 12,100,000 pixels (DMC-FP1)
Image sensor	1/2.33" CCD, total pixel number 14,500,000 pixels (DMC-FP2) / 12,700,000 pixels (DMC-FP1) Primary color filter
Lens	Optical 4 x zoom f=6.3 mm to 25.2 mm (35 mm film camera equivalent: 35 mm to 140 mm) / F3.5 to F5.9
Digital zoom	Max. 4 x
Extended optical zoom	Max. 8.4 x (DMC-FP2) / Max. 7.8 x (DMC-FP1)
Focus range	
Normal	50 cm (1.64 feet) to ∞
Macro / Intelligent Auto	10 cm (0.33 feet) (Wide) / 50 cm (1.64 feet) (Tele) to ∞
Scene mode	There may be difference in above settings.
Shutter system	Electronic shutter + Mechanical shutter
Burst recording	
Burst speed	1.5 pictures/second (DMC-FP2) 1.8 pictures/second (DMC-FP1)
Number of recordable pictures	Until card/built-in memory is full

Specifications (Continued)

Hi-speed burst	
Burst speed	Approx. 4.6 pictures/second (DMC-FP2) Approx. 5.5 pictures/second (DMC-FP1)
Number of recordable pictures	Approx. 15 pictures (When using the built-in memory, immediately after formatting) Max. 100 pictures (When using a card, it may differ depending on the type of card and the recording conditions)
Shutter speed	8 to 1/1600 th [STARRY SKY] mode: 15 seconds, 30 seconds, 60 seconds
Exposure (AE)	AUTO (Program AE) Exposure compensation (1/3 EV Step, -2 EV to +2 EV)
Metering mode	Multiple
LCD monitor	2.7" TFT LCD (Approx. 230,400 dots) (field of view ratio about 100 %)
Flash	Flash range: (ISO  ISO) Approx. 30 cm (0.99 feet) to 4.9 m (16.08 feet) (Wide)
Microphone	Monaural
Speaker	Monaural
Recording media	Built-in Memory (Approx. 40 MB) / SD Memory Card / SDHC Memory Card / SDXC Memory Card
Recording file format	
Still picture	JPEG (based on Design rule for Camera File system, based on Exif 2.21 standard) / DPOF corresponding
Motion pictures	QuickTime Motion JPEG (motion pictures with audio)
Interface	Digital: USB 2.0 (Full Speed) Analog video / audio: NTSC Composit, Audio line output (Monaural)

Terminal	AV OUT / DIGITAL: Dedicated jack (8 pin) DC IN: Dedicated jack (2 pin)
Dimensions	Approx. 98.6 mm (W) x 58.9 mm (H) x 18.6 mm (D) [3.88" (W) x 2.32" (H) x 0.73" (D)] (excluding the projection part)
Mass	With card and battery: Approx. 141 g (0.31 lb) Excluding card and battery: Approx. 121 g (0.27 lb)
Operating temperature	0 °C to 40 °C (32 °F to 104 °F)
Operating humidity	10 % to 80 %

Battery charger

(Panasonic DE-A75B): Information for your safety

Input	110 V to 240 V 50/60Hz, 0.2 A
Output	4.2 V $\approx$ 0.65 A (Battery charging)

Equipment mobility: Movable

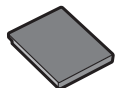
Battery Pack (lithium-ion)

(Panasonic DMW-BCH7PP): Information for your safety

Voltage/capacity	3.7 V / 695 mAh
-------------------------	-----------------

Optional accessories

MEMO



Product name: Battery Pack
Product no.: DMW-BCH7PP

- Performance identical to supplied battery pack.
- Recommended for taking on holiday, etc.



Product name: AC adaptor
Product no.: DMW-AC5PP



Product name: SDXC Memory Card
Product no.: 48GB: RP-SDW48GU1K
64GB: RP-SDW64GU1K

Product name: SDHC Memory Card
Product no.: 4GB: RP-SDW04GU1K
4GB: RP-SDP04GU1K
4GB: RP-SDR04GU1A
8GB: RP-SDW08GU1K
8GB: RP-SDP08GU1K
8GB: RP-SDR08GU1A
16GB: RP-SDW16GU1K
16GB: RP-SDP16GU1K
32GB: RP-SDW32GU1K

Product name: SD Memory Card
Product no.: 2 GB: RP-SDP02GU1K
2 GB: RP-SDR02GU1A

- Product numbers are correct as of January 2010. These may be subject to change.
- Accessories and/or model numbers may vary between countries. Consult your local dealer.