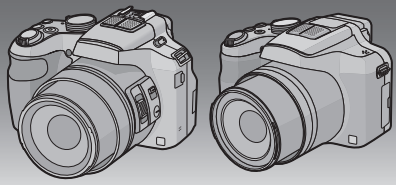
Panasonic

Basic Owner's Manual

Digital Camera

Model No. DMC-FZ200
DMC-FZ60

LUMIX



DMC-FZ200 DMC-FZ60

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

NANO SURFACE COATING

3D

SDXC I (DMC-FZ200)

SDXC (DMC-FZ60)

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.

Register online at www.panasonic.com/register (U.S. customers only)

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

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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.

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.

-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.

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 only 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
Battery Charger	Bottom

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-FZ200 DMC-FZ60
Responsible Party:	Panasonic Corporation of North America One Panasonic Way, Secaucus, NJ 07094
Support Contact:	Panasonic Consumer Marketing Company of North America 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.

■ 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 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.

Warning

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

■ About the battery charger

CAUTION!

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.**

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

- Always use a genuine Panasonic AV cable (DMW-AVC1: optional).
- Always use a genuine Panasonic HDMI mini cable (RP-CDHM15, RP-CDHM30: optional). Part numbers: RP-CDHM15 (1.5 m) (5 feet), RP-CDHM30 (3.0 m) (10 feet)
- Do not use any other USB connection cables except the supplied one or a genuine Panasonic USB connection cable (DMW-USBC1: optional).

DMC-FZ200

- Always use a genuine Panasonic remote shutter (DMW-RSL1: optional).

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 or disconnect AC adaptor (DMW-AC8PP: optional). 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.

Information about the software used by this product can be viewed by pressing [MENU/SET], selecting [Setup] → [Version Disp.], and then pressing [MENU/SET].

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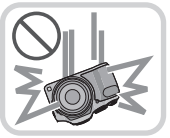
- Please note that the actual controls and components, menu items, and other information for your digital camera may differ from those in the illustrations and screens provided in this manual. When operation or other information is more or less the same between models, (DMC-FZ200) are used as examples for the instructions provided in this manual.
- The operations, procedures, or functions that differ among models are indicated separately, together with the relevant model number.

e.g.: (DMC-FZ200)
(DMC-FZ60)

Care of the camera

Do not subject to strong vibration, shock, or pressure.

- The lens, LCD monitor, or external case may be damaged if used in following conditions.
  It may also malfunction or image may not be recorded.
  – Drop or hit the camera.
  – Press hard on the lens or the LCD monitor.
- **When camera is not in use or when using the playback feature, ensure that the lens is in the stored position, with lens cap on.**
- **There are times when rattling sounds or vibrations will come from the camera, but these are due to the motion of the aperture, the zoom and the motor and do not indicate a defect.**



This camera is not dust/splash/water proof.
Avoid using the camera at location with a lot of dust, water, sand, etc.

- Liquid, sand and other foreign material may get into the space around the lens, buttons, etc. Be particularly careful since it may not just cause malfunctions, but it may become unrepairable.
  – Places with a lot of sand or dust.
  – Places where water can come into contact with this unit such as when using it on a rainy day or on the beach.

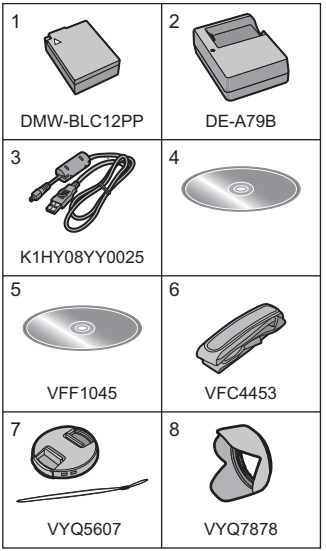
Standard Accessories DMC-FZ200

Check that all the accessories are supplied before using the camera.
Product numbers correct as of July 2012. These may be subject to change.

1 Battery Pack
(Indicated as **battery pack** or **battery** in the text)
Charge the battery before use.
2 Battery Charger
(Indicated as **battery charger** or **charger** in the text)
3 USB Connection Cable
4 CD-ROM
- Software
Install on your PC before use.

5 CD-ROM
- Owner's Manual for advanced features

6 Shoulder Strap
7 Lens Cap/Lens Cap String
8 Lens Hood



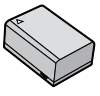
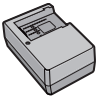
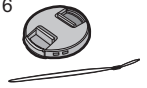
- SD Memory Card, SDHC Memory Card and SDXC Memory Card are indicated as **card** in the text.
- **The card is optional.**
  You can record or play back pictures on the built-in memory when you are not using a card.
- For information about optional accessories, refer to the "Digital Camera Accessory System (DMC-FZ200)".
- If any accessories are lost, customers should contact Panasonic's parts department at 1-800-833-9626 for further information about obtaining replacement parts.

Standard Accessories DMC-FZ60

Check that all the accessories are supplied before using the camera.
Product numbers correct as of July 2012. These may be subject to change.

1 Battery Pack
(Indicated as **battery pack** or **battery** in the text)
Charge the battery before use.
2 Battery Charger
(Indicated as **battery charger** or **charger** in the text)
3 USB Connection Cable
4 CD-ROM
- Software
- Owner's Manual for advanced features

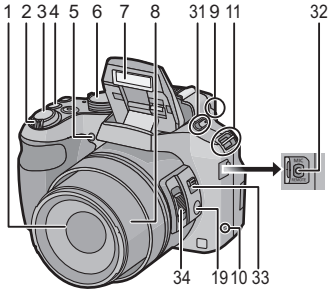
Install on your PC before use.
5 Shoulder Strap
6 Lens Cap/Lens Cap String

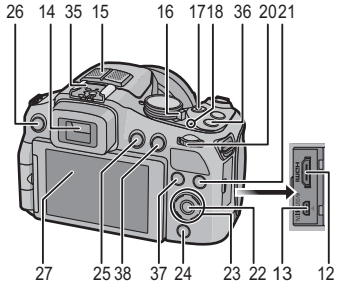
1  DMW-BMB9PP	2  DE-A83B
3 K1HY08YY0025	4 VFF1031
5 VFC4453	6  VYQ5607

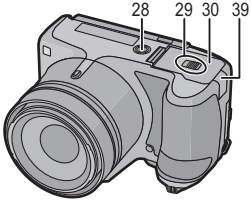
- SD Memory Card, SDHC Memory Card and SDXC Memory Card are indicated as **card** in the text.
- **The card is optional.**
  You can record or play back pictures on the built-in memory when you are not using a card.
- For information about optional accessories, refer to the "Digital Camera Accessory System DMC-FZ60".
- If any accessories are lost, customers should contact Panasonic's parts department at 1-800-833-9626 for further information about obtaining replacement parts.

Names and Functions of Main Parts

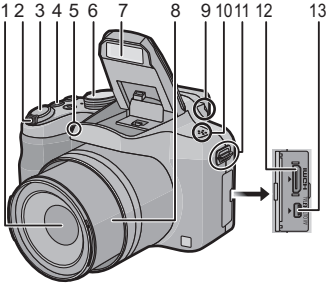
DMC-FZ200

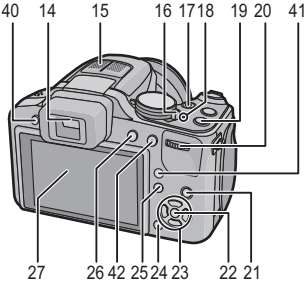


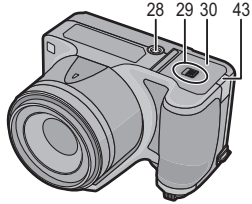




DMC-FZ60







1 Lens
2 Zoom lever
3 Shutter button
4 [] (Burst Mode) button
5 Self-timer indicator
AF Assist Lamp
6 Mode dial
7 Flash
8 Lens barrel
9 Diopter adjustment dial
10 Speaker
- Be careful not to cover the speaker with your finger. Doing so may make sound difficult to hear.

11 Shoulder strap eyelet
12 [HDMI] socket
13 [AV OUT/DIGITAL] socket
14 Viewfinder
15 Stereo microphone
16 Camera ON/OFF switch
17 Motion picture button
18 Power lamp
19 [FOCUS] button
20 Rear dial
21 [DISP.] button
22 [MENU/SET] button
23 Cursor buttons
24 [Q.MENU] button/
[/] (Delete/Cancel) button
25 [] (Playback) button
26 [EVF/LCD] button
27 LCD monitor
28 Tripod mount
- A tripod with a screw length of 5.5 mm (0.22 inch) or more may damage this unit if attached.

29 Release lever
30 Card/Battery door

DMC-FZ200

31 Flash open lever
- To close, push the top of the flash cover until it clicks.

32 [MIC/REMOTE] socket
33 Focus selector switch
34 Side lever
35 Hot shoe
36 [Fn1] button
37 [Fn3] button
38 [AF/AE LOCK] button/[Fn2] button
39 DC coupler cover
- When using an AC adaptor, ensure that the Panasonic DC coupler (DMW-DCC8: optional) and AC adaptor (DMW-AC8PP: optional) are used.
- Always use a genuine Panasonic AC adaptor (DMW-AC8PP: optional).

DMC-FZ60

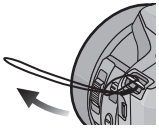
40 Flash open button
41 [AF/AF/MF] button
42 [AF/AE LOCK] button/[Fn1] button
43 DC coupler cover
- When using an AC adaptor, ensure that the Panasonic DC coupler (DMW-DCC6: optional) and AC adaptor (DMW-AC8PP: optional) are used.
- Always use a genuine Panasonic AC adaptor (DMW-AC8PP: optional).

Attaching the Lens Cap/Shoulder Strap

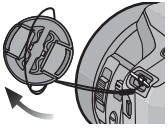
■ Attaching the Lens Cap

• When you turn the camera off or carry the camera, attach the lens cap to protect the surface of the lens.

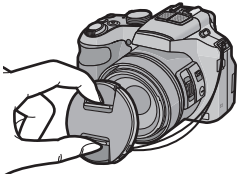
1 **Pass the string through the hole on the camera.**



2 **Pass the same string through the hole on the lens cap.**



3 **Attach the lens cap.**

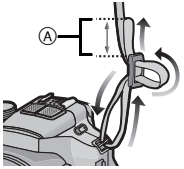


■ Attaching the Shoulder Strap

• We recommend attaching the shoulder strap when using the camera to prevent it from dropping.

1 **Pass the shoulder strap through the hole at the shoulder strap eyelet.**

2 **Pass the shoulder strap through the stopper and fasten the shoulder strap.**



Ⓐ Pull the shoulder strap 2 cm (0.066 feet) or more.

• Attach the shoulder strap to the other side of the camera being careful not to twist it.

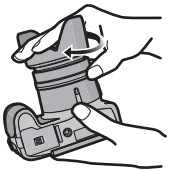
Attaching the Lens Hood DMC-FZ200

- Check that the camera is turned off.
- Close the flash.

1 **Attach the lens hood into the lens with the short side aligned with the bottom of the main unit.**

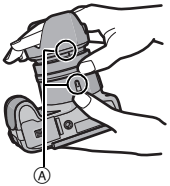
- Do not hold the lens hood in a way that twists or bends it.

2 **Rotate the lens hood in the direction of the arrow.**



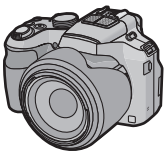
3 **You will feel some stiffness just before the mark, but continue to rotate the lens hood to Ⓐ where the marks align.**
(The lens hood will stop with a "click".)

- Check that the lens hood is firmly attached and that it does not appear in the picture.



Note

- When temporarily detaching and carrying the lens hood, attach the lens hood to the lens in the reverse direction. Return it to the normal direction when taking pictures.

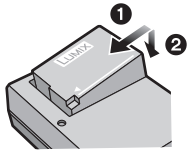


Charging the Battery

Use the dedicated charger and battery.

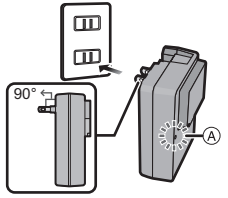
- **The battery is not charged when the camera is shipped. Charge the battery before use.**
- **Charge the battery with the charger indoors [10 °C to 30 °C (50 °F to 86 °F)].**

1 **Attach the battery paying attention to the direction of the battery.**



2 **Connect the charger to the electrical outlet.**

- The [CHARGE] indicator Ⓐ lights up and charging begins.



■ About the [CHARGE] indicator

On: Charging.

Off: Charging has completed.

■ About batteries that you can use with this unit

DMC-FZ200

The battery that can be used with this unit is DMW-BLC12PP.
Charging time: Approx. 140 min

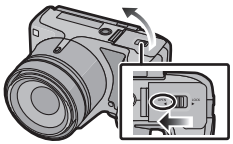
DMC-FZ60

The battery that can be used with this unit is DMW-BMB9PP.
Charging time: Approx. 155 min

Inserting and Removing the Card (optional)/the Battery

- Turn this unit off and confirm that the lens barrel is retracted.
- We recommend using a Panasonic card.

1 **Slide the release lever in the direction of the arrow and open the card/battery door.**



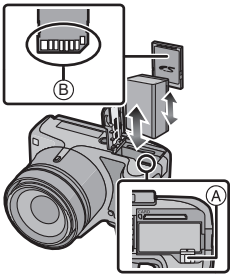
DMC-FZ200

- **Always use genuine Panasonic batteries (DMW-BLC12PP).**

DMC-FZ60

- **Always use genuine Panasonic batteries (DMW-BMB9PP).**
- **If you use other batteries, we cannot guarantee the quality of this product.**

2 **Battery: Being careful about the battery orientation, insert all the way until you hear a locking sound and then check that it is locked by lever Ⓐ.**
Pull the lever Ⓐ in the direction of the arrow to remove the battery.

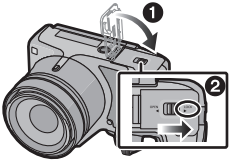


Card: Push it securely all the way until you hear a "click" while being careful about the direction in which you insert it. To remove the card, push the card until it clicks, then pull the card out upright.

Ⓑ: Do not touch the connection terminals of the card.

3 **❶: Close the card/battery door.**

❷: Slide the release lever in the direction of the arrow.



Note

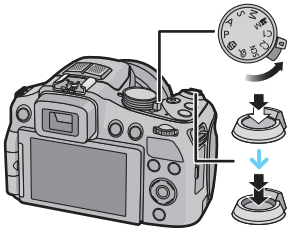
- Keep the Memory Card out of reach of children to prevent swallowing.

Sequence of operations

1 **Turn the camera on.**

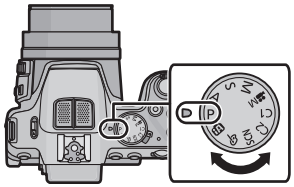
- **The clock is not set when the camera is shipped. Set the date and time before using the camera.**

2 **Press the shutter button halfway to focus and then press it fully to take the picture.**



■ Selecting the Recording Mode

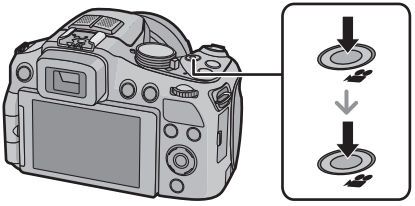
Switching the mode by rotating the mode dial.



- **iA**: Take pictures with automatic settings.
- **P** : Take pictures with your own settings.
- **A** : The shutter speed is automatically determined by the aperture value you set.
- **S** : The aperture value is automatically determined by the shutter speed you set.
- **M** : The exposure is adjusted by the aperture value and the shutter speed which are manually adjusted.
- **M**: Record motion picture with manual settings.
- **C1 C2** :Use this mode to take pictures with previously registered settings.
- **SCN**: Take pictures according to scene.
- : Record while checking the image effect.

■ Recording Motion Pictures

Start recording by pressing the motion picture button.



- Stop the recording by pressing the motion picture button again.
- Maximum time to record motion pictures continuously with [MP4] is 29 minutes 59 seconds or up to 4 GB.
  You can check the recordable time on the screen. (For [FHD] in [MP4] format, the file size is large and so the recordable time will drop below 29 minutes 59 seconds.)

■ Playing Back Pictures ([Normal Play])

Press [▶].

- Press ◄ or ► to select the picture.

■ Deleting Pictures

Select the picture, and then press [🗑/↩].

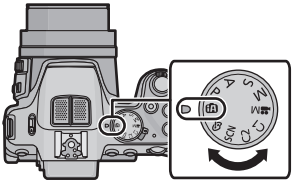
- Confirmation screen is displayed. Picture is deleted by selecting [Yes].

Taking Pictures Using the Automatic Function (Intelligent Auto Mode)

The camera will set the most appropriate settings to match the subject and the recording conditions so we recommend this mode for beginners or those who want to leave the settings to the camera and take pictures easily.

1 **Set the mode dial to [iA].**

2 **Press the shutter button halfway to focus and then press it fully to take the picture.**



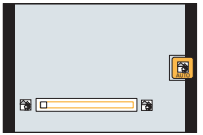
Taking Pictures with Defocus Control Function

You can easily set the blurriness of the background while checking the screen.

1 **Press the rear dial to display [ ].**

2 **Press ◄/► or rotate the rear dial to adjust.**
- Press [🗑/⮌] to reset the setting to the default state (AUTO).
- To adjust automatically, reset the setting to the default state (AUTO).

3 **Press [MENU/SET] or the rear dial to set.**



Recording using Intelligent Auto Plus Mode

You can adjust the brightness and the color balance in addition to the Intelligent Auto Mode function.

1 **Press [MENU/SET] when in Intelligent Auto Mode.**

2 **Press ► to select [iA+] and then press [MENU/SET].**

■ Adjusting the brightness, color balance, and background blur

1 **Press the rear dial to display the options.**

2 **Press ▲/▼ to select the item.**

[ ]: Adjust the brightness.

[ ]: Adjust the background blur.

[ ]: Adjust the color balance.

3 **Press ◄/► or rotate the rear dial to adjust.**
- Press [/] to reset the setting to the default state (AUTO).

4 **Press [MENU/SET] or the rear dial to set.**

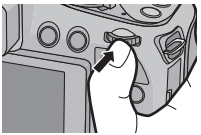
Using the rear dial

You can use the rear dial to compensate the exposure or adjust the aperture value and shutter speed. The items that can be adjusted differ according to the recording mode.

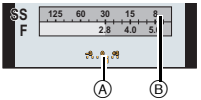
Compensating the Exposure

Applicable modes: iA P A S M M C1 C2 SCN

1 **Press the rear dial to set Exposure Compensation to a selected state.**



2 **Rotate the rear dial to compensate the exposure.**



Ⓐ Exposure Compensation value
Ⓑ Exposure Meter

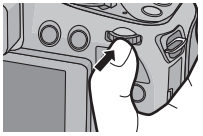
Note

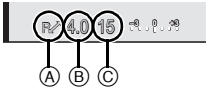
• Set the value to [0] when you do not compensate the exposure.

Setting the Aperture Value/the Shutter Speed

1 **Press the rear dial to select the items to set.**

- Items that can be set will switch every time the rear dial is pressed.





Ⓐ: **Program Shift** (Recording mode: P)
You can change the preset aperture value and shutter speed without changing the exposure. • To adjust the setting, display the aperture value and shutter speed by pressing the shutter button halfway.
Ⓑ: **Aperture Value** (Recording mode: A/M)
Set the aperture value to a higher number when you want a sharp focus background. Set the aperture value to a lower number when you want a soft focus background.
Ⓒ: **Shutter Speed** (Recording mode: S/M)
Set with a faster shutter speed when you want to take a sharp picture of a fast moving subject. Set to a slower shutter speed when you want to create a trail effect.

2 **Rotate the rear dial to set.**

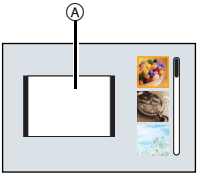
Taking Pictures with different image effects (Creative Control Mode)

This mode records with additional image effects. You can set the effects to add by selecting example images and checking them on the screen.

1 **Set the mode dial to [ ].**

2 **Press ▲/▼ to select image effects (filters) and then press [MENU/SET].**

- The image effect of the selected example image will be applied in a preview display Ⓐ.
- A brief description of selected image effect appears when you press [DISP.].



■ Adjust the effect to fit your preferences.

The strength and colors of the effects can be easily adjusted to fit your preferences.

1 **Press the rear dial to display the options.**

2 **Press ▲/▼ to select the item.**

[ ]: Adjust the brightness.

[ ]: Adjust the background blur.

[ ]: Adjust the image effect.

3 **Press ◄/► or rotate the rear dial to adjust.**

- Press [/] to reset the setting to the default state (AUTO).
- To adjust automatically, reset the setting to the default state (AUTO).

4 **Press [MENU/SET] or the rear dial to set.**

Setting the Menu

1 **Press [MENU/SET].**

2 **Press ▲/▼ or rotate the rear dial to select the menu item.**

3 **Press ► or the rear dial.**

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

4 **Press ▲/▼ or rotate the rear dial to select the settings.**

5 **Press [MENU/SET] or the rear dial to set.**

■ Close the menu

Press [MENU/SET] or press the shutter button halfway.

■ Switching to other menus

e.g.: Switching to the [Setup] menu from [Rec] menu

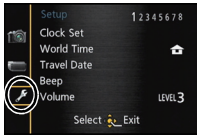
1 **Press [MENU/SET].**

2 **Press ◄.**

3 **Press ▼ or rotate the rear dial to select the [Setup] menu icon [ ].**

4 **Press ► or the rear dial.**

- Select a menu item next and set it.



Reading the Owner's Manual (PDF format)

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 Windows

1 **Turn the PC on and insert the CD-ROM containing the Owner's Manual (supplied).**

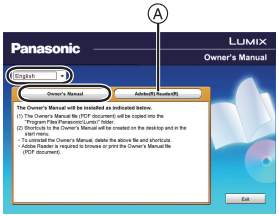
DMC-FZ200 Proceed to step **3**.

DMC-FZ60 Proceed to step **2**.

2 **Click the [Owner's Manual].**

3 **Select the desired language and then click [Owner's Manual] to install.**

4 **Double-click the "Owner's Manual" shortcut icon on the desktop.**



■ When the Owner's Manual (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 Owner's Manual (PDF format).
Insert the CD-ROM containing the Owner's Manual (supplied), click Ⓐ and then follow the messages on the screen to install.
(Compatible OS: Windows XP SP3/Windows Vista SP2/Windows 7)

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

■ To uninstall the Owner's Manual (PDF format)

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

■ For Mac

1 **Turn the PC on and insert the CD-ROM containing the Owner's Manual (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.**

Installing supplied software

• The supplied CD-ROM includes the following software.

DMC-FZ200

– **PHOTOfunSTUDIO 8.3 PE** (Windows XP/Vista/7)
This is a software having functions, such as copying pictures to a PC, editing and printing.

– **SILKYPIX Developer Studio** (Windows XP/Vista/7, Mac OS X v10.4/v10.5/v10.6/v10.7)
This is software to edit RAW format images.
For details on how to use the SILKYPIX Developer Studio, refer to the "Help" or the Ichikawa Soft Laboratory's support website:
http://www.isl.co.jp/SILKYPIX/english/p/support/

– **LoiLoScope 30 day full trial version** (Windows XP/Vista/7)
(This will only install a shortcut to the trial version download site.)

DMC-FZ60

– **PHOTOfunSTUDIO 8.3 AE** (Windows XP/Vista/7)
This is a software having functions, such as copying pictures to a PC, editing and printing.

– **LoiLoScope 30 day full trial version** (Windows XP/Vista/7)
(This will only install a shortcut to the trial version download site.)

• Before inserting the CD-ROM, close all running applications.

1 Check the environment of your PC.

• **Operating environment of "PHOTOfunSTUDIO 8.3 PE/PHOTOfunSTUDIO 8.3 AE"**
– OS:
Windows® XP (32bit) SP3,
Windows Vista® (32bit) SP2,
Windows® 7 (32bit/64bit) and SP1
– CPU:
Pentium® III 500 MHz or higher (Windows® XP),
Pentium® III 800 MHz or higher (Windows Vista®),
Pentium® III 1 GHz or higher (Windows® 7)

– Display:
1024×768 pixels or more (1920×1080 pixels or more recommended)
– RAM:
512 MB or more (Windows® XP/Windows Vista®),
1 GB or more (Windows® 7 32bit),
2 GB or more (Windows® 7 64bit)
– Free hard disk space:
450 MB or more for installing software

- Refer to the operating instructions of "PHOTOfunSTUDIO" (PDF) for further operating environment.

2 Insert the CD-ROM with the supplied software.

- When you insert the supplied CD-ROM, the install menu will start.

DMC-FZ200 Proceed to step **4**.

DMC-FZ60 Proceed to step **3**.

3 Click on the [Applications] on the install menu.

4 Click on the [Recommended Installation].

- Proceed with installation according to messages appearing on the screen.

Note

- The software compatible with your PC will be installed.
- "PHOTOfunSTUDIO" is not compatible with Mac.

DMC-FZ200

- On the Mac, SILKYPIX can be installed manually.

❶ Insert the CD-ROM with the supplied software.
❷ Double-click on the automatically displayed folder.
❸ Double-click the icon in the application folder.

Specifications

Specifications are subject to change without notice.

Digital Camera:
Information for your safety

DMC-FZ200

Power Source:	DC 8.4 V
Power Consumption:	1.7 W (When recording with LCD Monitor) 1.6 W (When recording with Viewfinder) 1.1 W (When playing back with LCD Monitor) 1.0 W (When playing back with Viewfinder)

DMC-FZ60

Power Source:	DC 8.4 V
Power Consumption:	1.5 W (When recording with LCD Monitor) 1.4 W (When recording with Viewfinder) 1.0 W (When playing back with LCD Monitor) 0.7 W (When playing back with Viewfinder)

	DMC-FZ200	DMC-FZ60
Camera effective pixels	12,100,000 pixels	16,100,000 pixels
Image sensor	1/2.3″ MOS sensor, total pixel number 12,800,000 pixels, Primary color filter	1/2.33″ MOS sensor, total pixel number 17,500,000 pixels, Primary color filter
Lens [NANO SURFACE COATING]	Optical 24× zoom, f = 4.5 mm to 108 mm (35 mm film camera equivalent: 25 mm to 600 mm) Wide: F2.8 to F8.0 (when recording motion pictures: F2.8 to F11) Tele: F2.8 to F8.0 (when recording motion pictures: F2.8 to F11)	Optical 24× zoom, f = 4.5 mm to 108 mm (35 mm film camera equivalent: 25 mm to 600 mm) Wide: F2.8 to F8.0 (when recording motion pictures: F2.8 to F11) Tele: F5.2 to F8.0 (when recording motion pictures: F5.2 to F11)
Image Stabilizer	Optical method	

	DMC-FZ200	DMC-FZ60
Focus range		
AF	30 cm (0.98 feet) (Wide)/2 m (6.6 feet) (Tele) to ∞	
AF Macro/ MF/ Intelligent Auto/ Motion Picture	1 cm (0.033 feet) (Wide)/1 m (3.3 feet) (Tele) to ∞	
Scene Mode	There may be differences in the above settings.	
Shutter system	Electronic shutter+Mechanical shutter	
Minimum Illumination	Approx. 9 lx (when i-low light is used, the shutter speed is 1/30th of a second)	
Shutter speed	60 seconds to 1/4000th of a second	4 seconds to 1/2000th of a second
Exposure (AE)	Program AE (P)/Aperture-Priority AE (A)/Shutter-Priority AE (S)/Manual Exposure (M)	
Metering mode	Multiple/Center weighted/Spot	
LCD monitor	3.0″ TFT LCD (3:2) (Approx. 461,000 dots) (field of view ratio about 100%)	
Viewfinder	Color LCD Viewfinder (Approx. 1,312,000 dots) (field of view ratio about 100%) (with diopter adjustment −4 to +4 diopter)	Color LCD Viewfinder (Approx. 202,000 dots) (field of view ratio about 100%) (with diopter adjustment −4 to +4 diopter)
Flash	Built-in pop up flash	
Microphone	Stereo	
Speaker	Monaural	

	DMC-FZ200	DMC-FZ60
Recording media	Built-in Memory (Approx. 70 MB)/SD Memory Card/SDHC Memory Card/SDXC Memory Card	
Recording file format		
Still Picture	RAW/JPEG (based on "Design rule for Camera File system", based on "Exif 2.3" standard, DPOF corresponding)/MPO	JPEG (based on "Design rule for Camera File system", based on "Exif 2.3" standard, DPOF corresponding)/MPO
Motion pictures	AVCHD/MP4	
Audio compression format		
AVCHD	Dolby® Digital (2 ch)	
MP4	AAC (2 ch)	
Interface		
Digital	"USB 2.0" (High Speed)	
Analog video	NTSC	
Audio	Audio line output (monaural)	
Terminal		
[MIC/REMOTE]	∅ 2.5 mm jack	–
[AV OUT/DIGITAL]	Dedicated jack (8 pin)	
[HDMI]	MiniHDMI TypeC	
Dimensions (excluding the projecting parts)	Approx. 125.2 mm (W)× 86.6 mm (H)×110.2 mm (D) [4.93″(W)×3.41″(H)×4.34″(D)]	Approx. 120.3 mm (W)× 80.8 mm (H)×91.9 mm (D) [4.74″(W)×3.18″(H)×3.62″(D)]
Mass (weight)	Approx. 588 g/1.29 lb (with card and battery) Approx. 537 g/1.18 lb (excluding card and battery)	Approx. 493 g/1.09 lb (with card and battery) Approx. 449 g/0.99 lb (excluding card and battery)
Operating temperature	0 °C to 40 °C (32 °F to 104 °F)	
Operating humidity	10%RH to 80%RH	
Language select	[ENGLISH]/[ESPAÑOL]	

Battery Charger:
Information for your safety

DMC-FZ200 Panasonic DE-A79B	
Input:	~ 110 V to 240 V, 50/60 Hz, 0.2 A
Output:	⎓ 8.4 V, 0.65 A

DMC-FZ60 Panasonic DE-A83B	
Input:	~ 110 V to 240 V, 50/60 Hz, 0.15 A
Output:	⎓ 8.4 V, 0.43 A

Equipment mobility:
Movable

Battery Pack (lithium-ion):
Information for your safety

DMC-FZ200 Panasonic DMW-BLC12PP	
Voltage/capacity:	7.2 V/1200 mAh

DMC-FZ60 Panasonic DMW-BMB9PP	
Voltage/capacity:	7.2 V/895 mAh

Digital Camera Accessory System DMC-FZ200

Description	Accessory#
Battery Pack	DMW-BLC12
AC Adaptor*1	DMW-AC8
DC Coupler*1	DMW-DCC8
MC Protector	DMW-LMC52
ND Filter	DMW-LND52
PL Filter (Circular Type)	DMW-LPL52
Tele Conversion Lens*2	DMW-LT55
Close-up Lens*2	DMW-LC55
Lens Adaptor	DMW-LA7
AV Cable	DMW-AVC1
HDMI mini Cable	RP-CDHM15, RP-CDHM30
USB Connection Cable	DMW-USBC1
Flash	DMW-FL220, DMW-FL360, DMW-FL500
Remote Shutter	DMW-RSL1
Stereo Microphone	DMW-MS1
Class 10 64 GB SDXC Memory Card Class 10 32 GB SDHC Memory Card Class 10 16 GB SDHC Memory Card Class 10 8 GB SDHC Memory Card Class 10 4 GB SDHC Memory Card Class 6 32 GB SDHC Memory Card Class 6 16 GB SDHC Memory Card Class 6 8 GB SDHC Memory Card Class 6 4 GB SDHC Memory Card Class 4 32 GB SDHC Memory Card Class 4 16 GB SDHC Memory Card Class 4 8 GB SDHC Memory Card Class 4 4 GB SDHC Memory Card Class 4 2 GB SD Memory Card • This unit is compatible with UHS-I standard SDHC/SDXC memory cards.	RP-SDUA64GUK RP-SDUA32GUK RP-SDUA16GUK RP-SDUA08GUK RP-SDUA04GUK RP-SDQA32GUK RP-SDQA16GUK RP-SDQA08GUK RP-SDQA04GUK RP-SDLA32GUK RP-SDLA16GUK RP-SDLA08GUK RP-SDLA04GUK RP-SDLA02GUK

Product numbers correct as of July 2012. These may be subject to change.

*1 The AC Adaptor (optional) can only be used with the designated Panasonic DC Coupler (optional). The AC adaptor (optional) cannot be used by itself.

*2 The lens adaptor (optional) is necessary to attach a tele conversion lens or close-up lens.

• NOTE: Accessories and/or model numbers may vary between countries. Consult your local dealer.

Digital Camera Accessory System DMC-FZ60

Description	Accessory#
Battery Pack	DMW-BMB9
AC Adaptor*1	DMW-AC8
DC Coupler*1	DMW-DCC6
MC Protector	DMW-LMC52
ND Filter	DMW-LND52
PL Filter (Circular Type)	DMW-LPL52
Tele Conversion Lens*2	DMW-LT55
Close-up Lens*2	DMW-LC55
Lens Adaptor	DMW-LA5
AV Cable	DMW-AVC1
HDMI mini Cable	RP-CDHM15, RP-CDHM30
USB Connection Cable	DMW-USBC1
Class 10 64 GB SDXC Memory Card	RP-SDUA64GUK
Class 10 32 GB SDHC Memory Card	RP-SDUA32GUK
Class 10 16 GB SDHC Memory Card	RP-SDUA16GUK
Class 10 8 GB SDHC Memory Card	RP-SDUA08GUK
Class 10 4 GB SDHC Memory Card	RP-SDUA04GUK
Class 6 32 GB SDHC Memory Card	RP-SDQA32GUK
Class 6 16 GB SDHC Memory Card	RP-SDQA16GUK
Class 6 8 GB SDHC Memory Card	RP-SDQA08GUK
Class 6 4 GB SDHC Memory Card	RP-SDQA04GUK
Class 4 32 GB SDHC Memory Card	RP-SDLA32GUK
Class 4 16 GB SDHC Memory Card	RP-SDLA16GUK
Class 4 8 GB SDHC Memory Card	RP-SDLA08GUK
Class 4 4 GB SDHC Memory Card	RP-SDLA04GUK
Class 4 2 GB SD Memory Card	RP-SDLA02GUK

Product numbers correct as of July 2012. These may be subject to change.

*1 The AC Adaptor (optional) can only be used with the designated Panasonic DC Coupler (optional). The AC adaptor (optional) cannot be used by itself.

*2 The lens adaptor (optional) is necessary to attach a tele conversion lens or close-up lens.

• NOTE: Accessories and/or model numbers may vary between countries. Consult your local dealer.

Digital Camera Accessory Order Form

Please photocopy this form when placing an order.

1. Digital Camera Model # _____

2. Items Ordered

Accessory #	Description	Price Each	Quantity	Total Price
			Shipping & Handling	$6.95
			Subtotal	
			Your State & Local Sales Tax	
			Total	

3. Method of payment (check one)

- ☐ American Express
- ☐ VISA — Credit Card # _____
- ☐ MasterCard — Expiration Date _____
- ☐ Discover — Customer Signature _____

(Please do not send cash)

4. Shipping information (UPS delivery requires complete street address)

Ship To:
Mr.
Mrs.
Ms. _____
First Last

_____
Street Address

_____ _____ _____
City State Zip

Phone#:
Day ( ) _____
Night ( ) _____

TO OBTAIN ANY OF OUR DIGITAL CAMERA ACCESSORIES YOU CAN DO ANY OF THE FOLLOWING:
VISIT YOUR LOCAL PANASONIC DEALER
OR
CALL PANASONIC'S ACCESSORY ORDER LINE AT 1-800-332-5368
[6 AM-6 PM M-F, PACIFIC TIME]
OR
MAIL THIS ORDER TO: PANASONIC NATIONAL PARTS CENTER
20421 84th Ave S., Kent, WA 98032

Limited Warranty
(ONLY FOR U.S.A. AND PUERTO RICO)

Panasonic Consumer Marketing Company of North America,
Division of Panasonic Corporation of North America
One Panasonic Way, Secaucus, New Jersey 07094

Panasonic Digital Still Camera Products
Limited Warranty

Limited Warranty Coverage (For USA and Puerto Rico Only)
If your product does not work properly because of a defect in materials or workmanship, Panasonic Consumer Marketing Company 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 Still Camera	1 year	1 year
SD Memory Cards, Rechargeable Battery Pack (defective exchange)	90 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 or Puerto Rico. This warranty is extended only to the original purchaser of a new product which was not sold "as is".

Mail-In Service

For assistance in the U.S.A. and Puerto Rico in obtaining repairs, please ship the product prepaid to:

Panasonic Exchange Center
4900 George McVay Drive
Suite B
McAllen, TX 78503
panacare@us.panasonic.com

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 www.panasonic.com/BatteryHandling 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, commercial use such as hotel, office, restaurant, or other business 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 the warrantor's Consumer Affairs Department at the addresses listed for the warrantor.

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

Customer Services Directory (United States and Puerto Rico)

Obtain Product Information and Operating Assistance; locate your nearest Dealer or Service Center; purchase Parts and Accessories; or make Customer Service and Literature requests by visiting our Web Site at:
http://www.panasonic.com/help
or, contact us via the web at:
http://www.panasonic.com/contactinfo
You may also contact us directly at:
1-800-211-PANA (7262)
Monday-Friday 9am-9pm, Saturday-Sunday 10am-7pm EST

For hearing or speech impaired TTY users, TTY: 1-877-833-8855

Accessory Purchases (United States and Puerto Rico)

Purchase Parts, Accessories and Instruction Books online for all Panasonic Products by visiting our Web Site at:
http://www.pstc.panasonic.com
Or, send your request by E-mail to:
npcparts@us.panasonic.com
You may also contact us directly at:
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(Monday-Friday 9am-9pm EST)
Panasonic National Parts Center
20421 84th Ave S., Kent, WA 98032
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