



Digital Camera

FinePix 6800 ZOOM

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OWNER'S MANUAL

This manual will show you how to use your FUJIFILM DIGITAL CAMERA FinePix6800 ZOOM correctly. Please follow the instructions carefully.

BL00001-200 (1)



Warning

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN
CAUTION TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.	
The graphical symbols are located on the bottom of the case.	

 This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

 This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

For customers in the U.S.A.

FCC Statement

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.

CAUTION

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:

- Relocate or reorient 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.

You are cautioned that any changes or modifications not expressly approved in this manual could void the user's authority to operate the equipment.

Notes to the User:

To comply with part 15 of the FCC rules, this product must be used with a Fujifilm-specified ferrite-core video cable, USB cable, and DC supply cord.

For customers in Canada

CAUTION

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

Please read the Safety Notes (→ p.127) and make sure you understand them before using the camera.

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Preface

- **Test Shots Prior to Photography**
For particularly important photographs (such as weddings and overseas trips), always take a test photograph and view the image to make sure that the camera is functioning normally.
- **Fuji Photo Film Co., Ltd cannot accept liability for any incidental losses (such as the costs of photography or the loss of income from photographs) incurred as a result of faults with this product.**
- **Notes on Copyright**
Images recorded using your digital camera system cannot be used in ways that infringe copyright laws without the consent of the owner, unless intended only for personal use. Note that some restrictions apply to the photographing of stage performances, entertainments and exhibits, even when intended purely for personal use. Users are also asked to note that the transfer of memory cards containing images or data protected under copyright laws is only permissible within the restrictions imposed by those copyright laws.
- **Liquid Crystal**
If the LCD monitor or display panel is damaged, take particular care with the liquid crystal in the monitor or panel. If any of the following situations arise, take the urgent action indicated.
 - If liquid crystal comes in contact with your skin: Wipe the area with a cloth and then wash thoroughly with running water and soap.
 - If liquid crystal gets into your eye: Flush the affected eye with clean water for at least 15 minutes and then seek medical assistance.
 - If liquid crystal is swallowed: Flush your mouth thoroughly with water. Drink large

- quantities of water and induce vomiting. Then seek medical assistance.
- **Notes on Electrical Interference**
If the camera is needed to be used in hospitals or aircraft, please note that this camera may cause interference to other equipment in the hospital or aircraft. For details, please check with the applicable regulations in that place.
- **Handling Your Digital Camera**
This camera contains precision electronic components. To ensure that images are recorded correctly, do not subject the camera to impacts or shocks while an image is being recorded.
- **Trademark Information**
 - IBM PC/AT is a registered trademark of International Business Machines Corp. of the U.S.A.
 - Mac and Macintosh are registered trademarks of Apple Computer, Inc.
 - Windows is a registered trademark of the Microsoft Corporation of the U.S. registered in the U.S.A. and other countries. Windows is an abbreviated term referring to the Microsoft Windows Operating System.
 - SmartMedia is a trademark of Toshiba Corporation.
 - Other company or product names are trademarks or registered trademarks of the respective companies.
- **Explanation of Color Television System**
NTSC: National Television System Committee, color television broadcasting specifications adopted mainly in the U.S.A., Canada and Japan.
PAL: Phase Alternation by Line, a color television system adopted mainly by European countries and China.

Camera Features and Accessories

Features

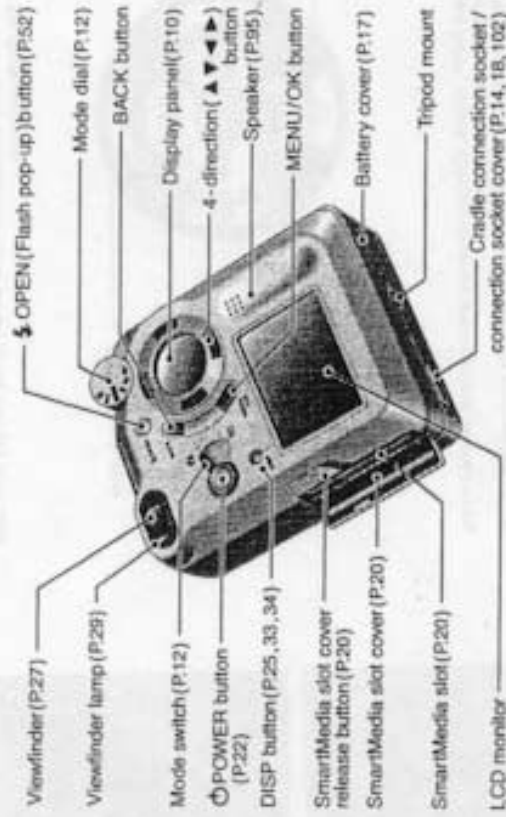
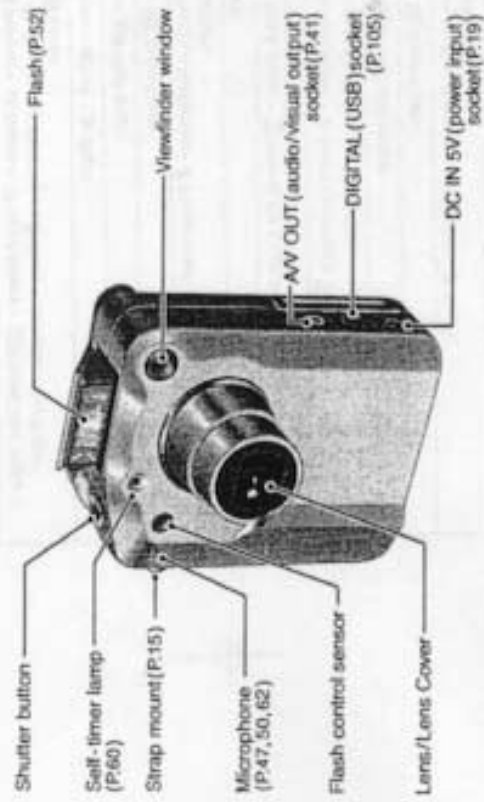
- The newly developed "Super CCD Honescope" (featuring a total of 3.3 million pixels in a honeycomb array) used in the FinePix4000 ZOOM provides superb image quality with 6.03 million recorded image pixels.
- Built-in 3x zoom lens with a low-dispersion aspherical lens for superb optical performance.
- Compact and lightweight aluminum-magnesium alloy body.
- New camera design by Pinetree.
- Quick, responsive operation with 2-second overlap and 1 second between shots.
- Auto focus with macro function (manual focus also available).
- Automatic shooting modes that can be tailored to subjects in different photography conditions.
- Connected preview function for quickly checking of your shots.
- The 8.8x Honescope zoom maximizes the potential of the Super CCD Honescope (2x optical zoom coupled with an ultra-smooth multi-level digital zoom function with up to 2.2x magnification for megapixel shots).
- Playback zoom function (up to 16x).
- Continuous shooting function even at maximum resolution.
- Movie shooting function (250 x 240 pixels with sound).
- Voice Memo function for easy photography information recording.
- Sound recording using the Audio Recording function.
- 2-inch 130,000-pixel low-temperature polycrystalline TFT LCD monitor.
- On-main display panel simplifies camera operation.
- Recharge or connect to your PC simply by plugging the FinePix4000 ZOOM in its cradle.
- Easy high-speed image file transfer via the USB connection.
- Supports (DPOF) Digital Print Order Format for simple print ordering.
- Complies to the new standard for digital cameras the system.*
- Design rule for Camera File System.

Accessories

- SmartMedia (16MB, 3.3V) (1)
Supplied with:
 - Anti-static case (1)
 - Index label (1)
- Cradle (Picture Cradle) (1)
- Video Cable (approx. 1.5 m (4.9 ft.), mini-plug (3.5 mm (0.14 in.) to pin-plug cable) (1)
- Hand strap (1)
- Interface Set (1)
 - CD-ROM (1)
 - Special USB cable with Noise Suppression cone (1)
 - Software Quick Start Guide (1)
- Owner's Manual (this manual) (1)
- NP-88 Rechargeable Battery (1)
- AC Power Adapter AC-5V/AC-5VH (approx. 2 m connection cord) (1)

Nomenclature

* Refer to the pages in parentheses for more details.



Nomenclature

Display Panel

The display panel uses icons to show the camera's operation status as an aid to the camera user. Use the 4-direction button as indicated by the displayed icons.



- The display panel can be used to check and modify camera settings such as the photography or playback mode, the number of available shots, the flash settings and the macro setting.
- The display panel glows orange for 5 seconds when you are taking pictures (except when you press the shutter button) and green for 5 seconds when you are playing back images or sounds.

Display Details

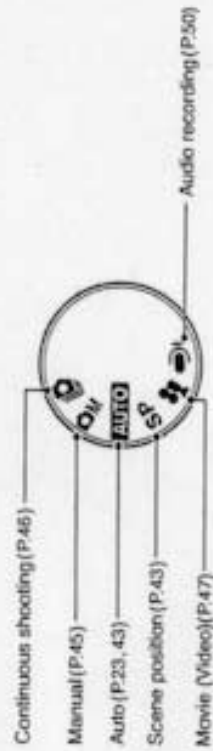
Photography	Mode Auto • Portrait • Scene • Night Scene • Black and White • Manual • Continuous shooting • Movie • Audio recording • Option • Zoom ▲ Up • ▼ Down • ◀ Left • ▶ Right [Telephoto] • [Wide angle] [Zoom Up] • [Zoom Down] [Flash] • [Red-Eye Reduction] • [Forced Flash] • [Slow Synchro] • [Suppressed flash] [ON] • [OFF] [M] Moves the focus closer • [M] Moves the focus further away
Playback	Mode Still Images • Movie • Audio recording • Zoom/Trimming • Playback progress • Pause • Option [Previous image] • [Next image] [Zoom Up] • [Zoom Down] [Play/Pause] • [Fast forward] • [Rewind] • [Stop] • [Movie frame advance] [Play/Pause] • [Fast forward] • [Rewind] • [Stop] • [Skip playback]

Nomenclature

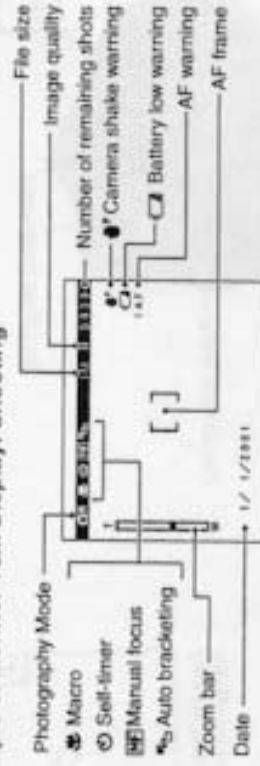
Mode switch



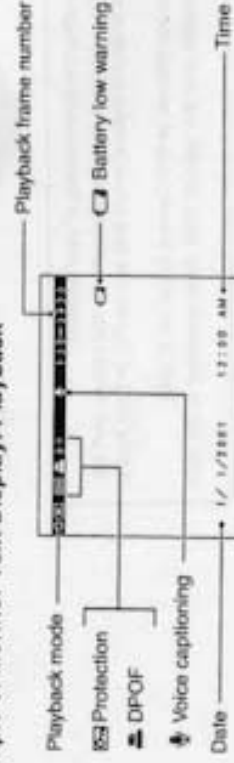
Mode dial



Example of Monitor Text Display: Shooting

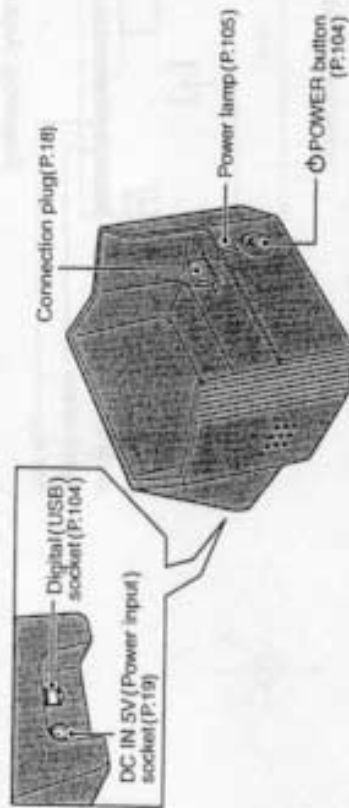


Example of Monitor Text Display: Playback



Nomenclature

Cradle



◆ The Cradle ◆

The cradle is a powerful tool for expanding the functionality of your camera:

- When you are not using the camera, you can place it in the cradle to charge the battery. (→ P. 18)
- You can use the cradle's USB interface to quickly transfer image files to your PC. (→ Card Reader Mode on P. 102.)
- Use the cradle for videoconferencing via the Internet. (→ "PC-Camera Mode" on P. 104.)
- You must connect the AC power adapter and the special USB cable provided in the USB Interface Set to the cradle. (→ P. 16)

1 Getting Ready ATTACHING THE STRAP



Pass the loop of this cord on the end of the strap through the strap mount.



Then pass the other end of the strap through the loop of the thin cord and pull the strap tight.

SETTING UP THE CRADLE



1 Connect the AC-5V/AC-5VH AC Power Adapter to the cradle.



2 Plug the AC-5V/AC-5VH AC Power Adapter into the mains power outlet.

● See P.101 for information on connecting the cradle to your computer.

● Problems arising through the use of products other than genuine FUJIFILM products are not covered by your warranty.

LOADING THE BATTERY



1 Open the battery cover.



2 Insert the battery in the direction indicated by the arrow "→" on the battery.



2 Hold the battery in, and close the battery cover.

◆ Battery Type ◆
NP-60 rechargeable battery.



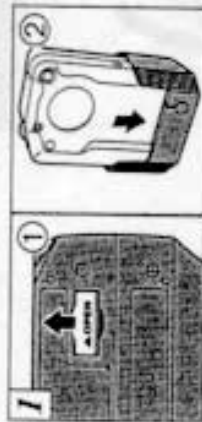
● The battery is not fully charged at shipment. You must charge the battery before you use it.
● See P.112 - 113 for more information on the battery.

● Do not use excessive force to open the battery cover.

● When replacing the battery, always switch the camera off beforehand. If you open the battery cover without switching the camera off, the camera settings may revert to the factory defaults.

● The shapes of the plug and socket-outlet depends on the country of use.

CHARGING THE BATTERY



- ① Open the connector cover on the bottom of the camera.
- ② Check that the camera is switched off and then place it in the cradle.

- Push the cradle connection plug firmly into the camera socket.

You do not need to press the power button on the cradle. If you have pressed the power button, refer to the Software Quick Start Guide booklet and perform the installation (for Windows). Then see "Disconnecting from the PC" on P.106.

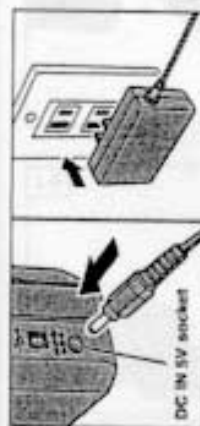
- Charging a fully depleted battery takes approximately 5 hours.
- Switching the cradle on during charging interrupts the charging.
- You can charge the battery more quickly by using the Battery Charger BC-80 (sold separately) (→P.109).

USING THE AC POWER ADAPTER

You can connect the AC-5V/AC-5VH AC Power Adapter directly to the DC IN 5V socket on the camera without using the cradle. This is useful when you travel since it allows you to charge the battery and to take pictures and play back images (using a TV connection, etc.) without worrying about depleting the battery.

- Compatible AC power adapters

Model AC-5V/AC-5VH (provided as an accessory or sold separately)



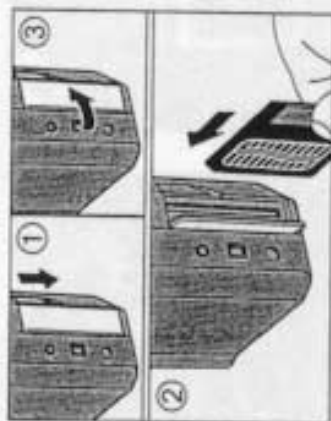
Check that the camera is switched off. Plug the AC power adapter connector into the DC IN 5V socket on the camera and then plug the adapter itself into the mains power outlet.

- Problems arising through the use of products other than genuine FUJIFILM products are not covered by your warranty.
- See P.114 for additional notes on the AC power adapter.
- The shapes of the plug and socket-outlet depends on the country of use.

LOADING THE SmartMedia™

SmartMedia™

- Only use 3.3V SmartMedia
 - MG-4S (4MB), MG-16SW (16MB, ID)
 - MG-8S (8MB), MG-32SW (32MB, ID)
 - MG-16S (16MB), MG-64SW (64MB, ID)
 - MG-32S (32MB), MG-128SW (128MB, ID)
 - MG-64S (64MB)



- Check that the camera is switched off and open the slot cover.
- Push the SmartMedia firmly into the SmartMedia slot as far as it will go.
- Close the slot cover.
- If you open the slot cover while the camera is switched on, the camera is automatically switched off to protect the SmartMedia.
- The SmartMedia will not slide fully into the slot if it is inserted facing the wrong way. Be careful not to apply undue force to the SmartMedia.

- Images cannot be recorded or erased if a write-protect sticker is affixed to the SmartMedia.
- Operation of this camera is only guaranteed when it is used with FUJIFILM SmartMedia.
- Some 3.3V SmartMedia are labelled as "3V" cards.
- See P.115 for more information on SmartMedia.

REMOVING THE SmartMedia™



- Check that the indicator in the viewfinder is green and then switch the camera off.
- Release the SmartMedia cover lock as shown in the figure.



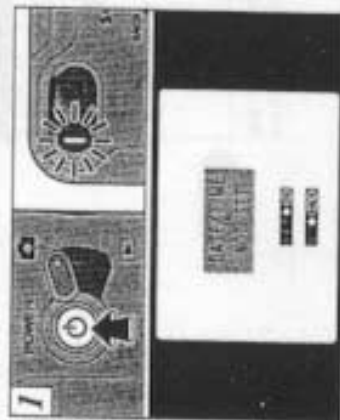
Push the SmartMedia into the slot slightly and allow it to pop back out. It can then be pulled out easily.

- See P.22 for information on switching the camera on and off.

Never open the SmartMedia slot cover while the camera is switched on. This could destroy the image data or damage the SmartMedia itself.

- To protect the SmartMedia, always store it in the special anti-static case.
- See P.85, 108 for information on printing images.
- See P.101 - 108 for information on downloading images to a personal computer.

SWITCHING ON AND OFF



Press the "O" (power) button to switch the camera on and off. When you switch the camera on, the viewfinder lamp lights (green). If the date has been cleared, a confirmation message appears. To set the date, press the "MENU/OK" button. (→P.24)

● If you switch the camera on when the Mode switch is set to "O", the lens cover opens and the lens moves out. For this reason, take care to avoid touching the lens when you switch the camera on.

SETTING THE DATE AND TIME



① Press the "MENU/OK" button to display the menu screen.
② Use "←", "→", "A" or "V" to select "SET-UP" from the "OPTION" menu.
③ Press the "MENU/OK" button.

④ The SET-UP screen appears.
Use "A" or "V" to select "DATE/TIME".

⑤ Press "→".
● See P.52 for more information on the "OPTION" menu.

● If at least 3 hours have passed since the AC power adapter was connected or the battery was inserted, the date and time settings are maintained for roughly 1 hour even when the camera has no power supply (when the AC power adapter is disconnected and the battery is removed).

If the date was cleared and you selected "SET DATE/TIME", proceed from step ① (→P.24).

SETTING THE DATE AND TIME



If the data was cleared and you selected "SET DATE/TIME", the camera switches to photography or playback mode without returning to the SET-UP screen.

● To set this time precisely, press the "MEM/OK" button when the time is at zero seconds.

2 Basic Photography



• If "[I AM HERE]", "[HI THERE]", or "[WELCOME]" is displayed, first wipe the contact surface on the SmartMedia (gold-colored area) thoroughly with a soft, dry cloth and then reload the SmartMedia. If this does not resolve the problem, format the card.

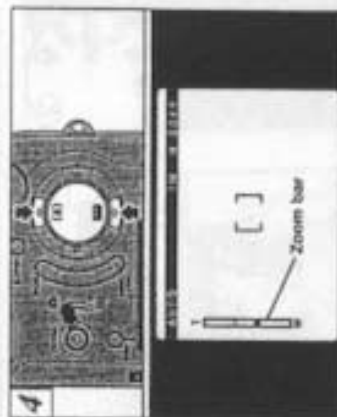
5

25

TAKING PICTURES (AUTO MODE)

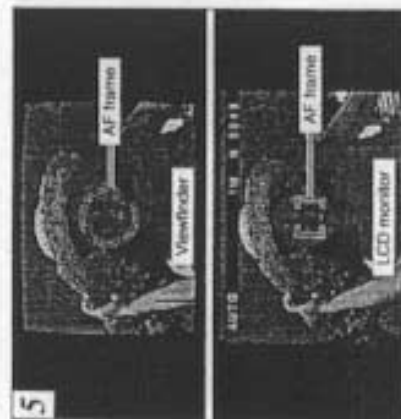


Be careful to ensure that the lens, microphone and flash control sensor are not obscured by your hands or the camera strap.



To zoom in on the subject, press **▲** ([**W**]) (TELE). To zoom out, press **▼** ([**B**]) (WIDE). A "zoom bar" appears on the LCD monitor when you zoom in or out (→ P.57).

- The camera may not be able to take successful pictures if your fingers or the strap are in the way.
- Check that the lens is clean. If it is dirty, clean the lens as described on P.111.



Using the viewfinder or LCD monitor, frame your shot so that the subject fills the entire AF (Auto Focus) frame.

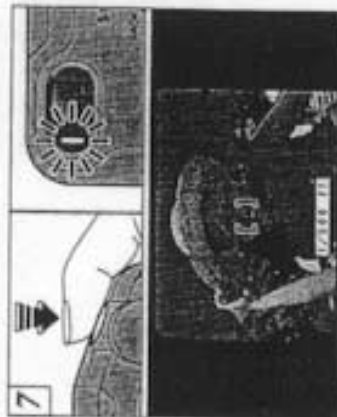
- If your subject is not in the center of the picture, use AF lock to take the picture (→ P.31).
- For dirty scenes where the subject is difficult to see in the LCD monitor, you should use the viewfinder.



When you are using the viewfinder to take a picture at a distance of 0.8 m to 1.5 m (2.6 ft to 4.8 ft), only the shaded area in the figure is photographed.

- If the image on the LCD monitor is difficult to see, adjust the monitor brightness.

TAKING PICTURES (AUTO MODE)



Press the shutter button down half way. The image is focused when the AF frame on the LCD monitor becomes smaller and the shutter speed and aperture setting appear (and the green viewfinder lamp stops blinking and remains lit).

When you press the shutter button down halfway, the video image on the LCD monitor freezes briefly. However, this is not the image that is recorded.

If it is too dark for the camera to focus, move at least 2 m (4.9 ft.) away from your subject before taking the picture.



To take the picture, press the shutter button down fully without lifting your finger off it. The camera beeps and takes the picture, and the data is then recorded.

- If you press the shutter button down fully in one motion, the shot is taken without the AF frame changing.
- When you take a picture, the viewfinder lamp lights orange (camera not ready) before switching back to green to indicate that the camera is again ready for shooting.
- The viewfinder lamp flashes orange while the flash is charging.
- Since the amount of image data recorded is not fixed and varies depending on the subject (level of image detail, etc.), the number of available shots may not decrease after the image is recorded, or may decrease by 2.
- See P. 117 for information on the warning displays.

Indicator Lamp Display

When the LCD monitor is switched on, more detailed warning messages are displayed. (→ P. 117)

Display	Status	Camera Operation
LI green	Ready to shoot.	All camera operations are possible.
Blinking green	AF/AE in progress or camera shake warning.	All camera operations are possible.
Blinking green and orange alternately	Recording to SmartMedia.	Only zooming and picture taking are possible.
LI orange	Image being recorded onto the SmartMedia.	No camera operations are possible.
Blinking orange	Flash charging. PC communication in progress.	All camera operations are possible.
Blinking red	● SmartMedia warning. ● No SmartMedia loaded. SmartMedia not formatted. ● Incorrect format, write-protect sticker used. ● SmartMedia full. SmartMedia error. ● Lens operation error.	No camera operations are possible.

Subjects Not Suitable for Autofocus

Though the FinePix6800 ZOOM uses an accurate autofocus mechanism, it may have difficulty focusing or not be able to focus at all for the types of subject and situation listed below. In such cases, the image may be out of focus.

- Very shiny subjects such as a mirror or car body.
- Subjects photographed through glass.
- Subjects that do not reflect well, such as hair or fur.
- Subjects with no substance, such as smoke or flames.
- When the subject is dark.
- When there is very little contrast between the subject and the background (such as white walls or subjects dressed in the same color as the background).
- When there are objects in front of or behind the subject (such as an animal in a cage or a person in front of a tree).
- Subjects moving at high speed.

TAKING PICTURES (AUTO MODE)

Number of Available Frames

The number of available shots is displayed on the LCD monitor or display panel.

- See P.54 for information on changing the File size and Quality setting.
- At shipment, the default settings are "L" (file size) and "NORMAL" (quality).



Standard number of shots per SmartMedia

The number of shots that can be recorded onto a SmartMedia card varies slightly depending on the type of subject. Also, the difference between the standard number of shots and the actual number of available shots increases for SmartMedia with a higher capacity.

File Size (File Size)	2048 x 1536	2048 x 1536	2048 x 1536	2048 x 1536	2048 x 1536	2048 x 1536	2048 x 1536	2048 x 1536	2048 x 1536
Quality Mode	FINE	NORMAL	BASIC	FINE	NORMAL	FINE	NORMAL	FINE	NORMAL
Approx. Limit Size	Approx. 2400KB	Approx. 1200KB	Approx. 400KB	Approx. 1200KB	Approx. 600KB	Approx. 600KB	Approx. 300KB	Approx. 300KB	Approx. 150KB
M2:40 (1440 x 1152)	1	3	6	2	6	6	12	12	44
M2:40 (1440 x 1152)	3	6	17	6	13	12	25	25	80
M2:40 (1440 x 1152)	6	13	33	12	26	25	48	48	153
M2:40 (1440 x 1152)	13	26	68	25	53	50	99	99	300
M2:40 (1440 x 1152)	26	56	137	50	107	101	198	198	603
M2:40 (1440 x 1152)	53	113	275	102	215	204	396	396	1330

* The numbers of available shots are shown for formatted SmartMedia.

USING AF/AE LOCK



In a shot with this type of composition, the subjects (two people in this case) are not in the AF frame. If the shot is taken at this point, the subjects will not be in focus.



Move the camera slightly so that one of the subjects in the AF frame.

◆ AF (Autofocus)/AE (Autoexposure) Lock ◆

On the FinePix600 ZOOM, pressing the shutter button down half way locks the focus and exposure settings (AF and AE lock). If you want to focus on a subject that is not centered in the frame or change the picture composition after the exposure is set, you can obtain good results by changing the composition after the AF and AE settings are locked.

USING AF/AE LOCK



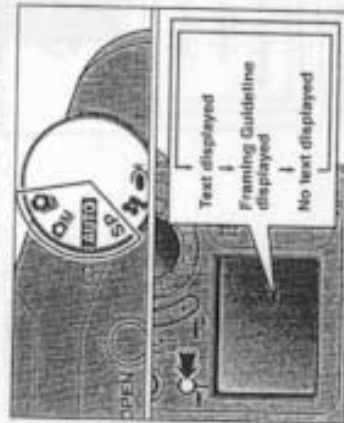
Keep the shutter button held down halfway (AF/AE lock). Check that the AF frame on the LCD monitor shrinks and that the shutter speed and aperture setting are displayed (the viewfinder lamp (green) changes from blinking to steady).



With the shutter button still held down halfway (AF/AE lock), move the camera back to the original image and press the shutter button down fully.

- You can reapply the AF/AE lock as many times as you like before releasing the shutter.
- The AF/AE lock operates in all photography modes and can be used to ensure excellent results.

FRAMING GUIDELINE FUNCTION



The photography mode can be set to "AF/AF-L", "SP", "Q" or "Q". The mode shown on the LCD monitor switches each time you press the "DISP" button. Press the "DISP" button to display the framing guideline.

- The framing guideline is not recorded on the image.
- The lines in the scene frame roughly divide the recorded pixels into three equal parts horizontally and vertically. When the image is printed, the resulting print may be shifted slightly from the scene frame.



Use this frame when you want to position your main subject in center of the frame or when you want to align your shot with the horizon. This feature allows you to compose a shot that captures the moment while focusing on the subject size and the overall balance of the shot.

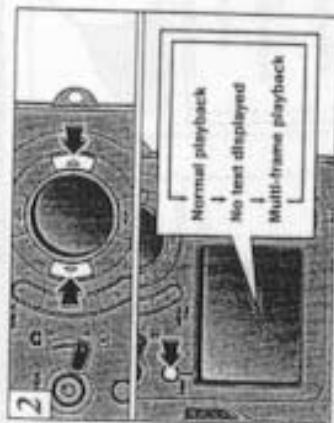
◆ Important ◆

Always use the AF/AE lock to compose your picture. Failing to use the AF/AE lock may result in the image being out of focus.

VIEWING YOUR IMAGES (PLAYBACK)



Set the Mode switch to "P".



You can use "P" and "M" buttons to move forward and backward respectively through your images. The monitor display changes each time you press the "DISP" button.

- When you set the Mode switch to "P", the last image shot is displayed.

If image on the monitor is difficult to see, adjust the monitor brightness (P. 93, 95).

Images That Can be Viewed on the FinePix6800 ZOOM

You can use this camera to view (excluding some uncompressed data) images recorded on an FinePix6800 ZOOM or images recorded onto a 3.3V SmartMedia using a FUJIFILM FinePix series, MX series and DX series digital camera.

FAST FORWARDING IMAGES



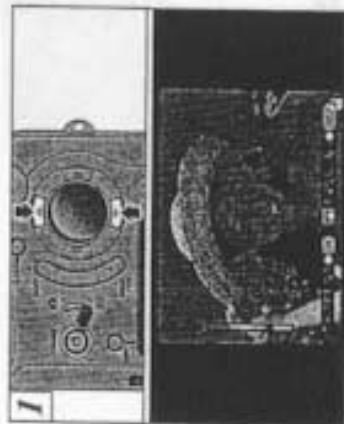
You can fast forward through the frames by holding down "P" or "M" button for about 3 seconds during playback.



During fast forward, 3 frames are shown together in miniature on the monitor. When you stop fast forward, the image enclosed in the frame is displayed on the monitor as a single image.

- A progress bar is displayed to show the approximate playback position on the SmartMedia.

PLAYBACK ZOOM

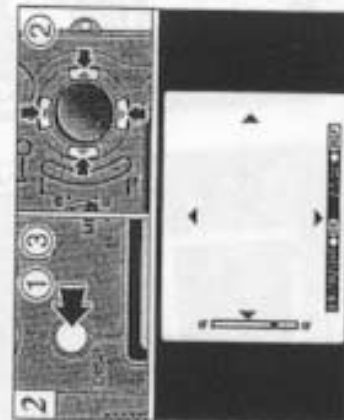


Pressing "A" or "V" during single-frame playback zooms in (enlarges) or out on a still image. When you use this function, a zoom bar is displayed.

• Zoom scales:

- **603** 2832 x 2128 pixel images: Max 18x
- **613** 2048 x 1536 pixel images: Max 13x
- **613** 1280 x 960 pixel images: Max 8x
- **613** 640 x 480 pixel images: Max 4x

● Pressing "←" or "→" during zooming cancels zooming and moves to the next image.



After you have zoomed in on your image,

- ① Press the "DISP" button.
- ② Use the "A" and "V" buttons to zoom in on different parts of the image.
- ③ Press the "DISP" button again to revert to zoomed display.

● Press the "BACK" button to return to normal unscaled display.



After using playback zoom, press the "MENU/OK" button to trim the image.

The size of still saved images varies depending on the zoom scale. In VGA mode, "TRIMMING" is displayed in yellow. At resolution below VGA, "TRIMMING" is no longer displayed.



Check the size of the image being saved and then press the "MENU/OK" button. The trimmed image is saved as a separate file.

• Image Sizes

Image Size	Good for prints
● 603	Good for prints
● 613	"TRIMMING" is displayed in yellow since the quality is too low for printing.
● 613	"TRIMMING" is no longer displayed and images cannot be saved trimmed as the quality is not suitable for printing.

MULTI-FRAME PLAYBACK



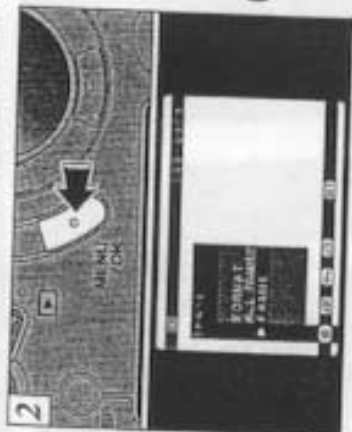
In playback mode, the display shown on the LCD monitor switches each time you press the "DISP" button. Press the "DISP" button until the multi-frame playback screen (B-frame) appears.

- The LCD monitor text display disappears after approximately 3 seconds.
- Playback zoom cannot be used with multi-frame playback.

ERASING SINGLE FRAME



- Set the Mode switch to "B".
- Press the "MENU/OK" button to display the Menu screen on the monitor.



- Select "FRAME" in the "ERASE" menu and press the "MENU/OK" button.

- See P.78 for more information on the Erasing all frames and Formatting.
- Multi-frame playback (→ P.38) is an easy way to select images to be protected.

ERASING SINGLE FRAME



Press **⏮** or **⏭** button to display the image to be erased.

- To cancel single-frame erase, press the "BACK" button to return to the menu. To exit the menu screen, press the "BACK" button again.



Press the "MENU/OK" button to erase the displayed image. When erasing is complete, the next image appears and the "[all in]" message is displayed.

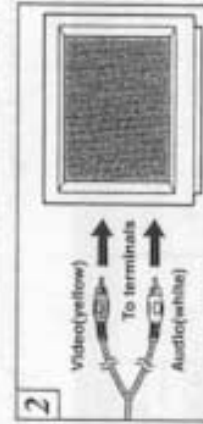
- If "[all in]" is displayed, the image protection must be removed to erase the image (→P.81).
- If the "[all in]" message is displayed, DPOF is specified. When you press the "MENU/OK" button, the image is erased and the DPOF settings are updated.

To continue (erase) (repeat) the procedure from step 1.

USING A TV MONITOR



Switch off the camera and TV. Plug the AV cable (accessory) into the AV OUT (audio-visual output) socket on the camera.



Plug the other end of the cable into the audio-video input socket on the TV. Then switch the camera and TV on and take pictures or play back images as you would normally.

- If you connect the AV cable during playback, you will not hear the sound from the TV.
- The image continues to be displayed on the LCD monitor.
- If you disconnect or reconnect the AV cable while the power is switched on, the sound may not be output correctly.
- If there is a power outlet available, connect the AC-5V/AC-5VH AC Power Adapter.

- If your TV has stereo audio input sockets, plug the cable into the left (white) socket.
- Refer to the instructions provided with your TV for more information on audio and AV input for your TV. 41

The Advanced Photography section introduces a range of camera functions that you can access by setting the Mode switch to "P".

Photography mode specifications

Photography Mode	Accessable menu settings	Factory default	Shared menu settings	Flash Photography (P. 62)	Macro Photography (P. 60)
ENTER Auto (P. 43)	Self-timer (P. 59) Voice capturing (P. 61)	OFF OFF		A5, (C), S, S3	O
SP Scene Position (P. 43)	Portrait (P. 44) Scene (P. 44) Night Scene (P. 44) Black and White (P. 44)	OFF OFF OFF		A5, (C), S, S3 (C), S A5, (C), S, S3	X X X
CM Manual (P. 45)	Self-timer (P. 59) White balance (P. 64) Sensitivity (P. 65) Sharpness (P. 65) Flash (P. 67) EV (P. 67) Multi-exp (P. 68) Photometry (P. 70) Self-timer (P. 59) Manual focus (P. 65) Auto bracketing (P. 63)	OFF AUTO 100 OFF NORMAL 0 OFF M, S, L OFF OFF OFF OFF	OPTION Use P. 62 for more information on each of the settings.	A5, (C), S, S3	O
Continuous shooting (P. 46)		OFF		—	O
Movie (Video) (P. 47)		—		—	X
Audio recording (P. 50)		—		—	X

* You cannot change the flash and macro settings when you are using manual focus.

PHOTOGRAPHY MODE AUTO AUTO/SP SCENE POSITION



Turn the Mode dial to select the setting.

AUTO Auto

This is the simplest mode for taking pictures and can be used in a wide range of situations.

SP Scene Position

This setting provides modes tailored to the type of scene photographed.

In "Sp" (Scene Position) mode, you can choose from 4 types of scene: "P", "A", "S", or "C".



- Press the "MENU/OK" button to display the menu.
- Use "A", "P", "S", or "C" to select the photography mode from the "SP SCENE POSITION" menu.
- Press the "MENU/OK" button to confirm your selection.

PHOTOGRAPHY MODE **SCENE** **BLACK AND WHITE**

Portrait

Use this mode for shots of people. Portrait mode provides soft-tone images with natural skin colors.

- When using the flash
Auto Flash, Red-Eye Reduction, Forced Flash, Slow Synchro

Scene

Use this mode for daytime shots of scenery. Landscape mode provides crisp, clear shots of buildings, mountains and other scenery.

- When using the flash
The Flash mode is automatically set to Suppressed Flash. This setting cannot be changed.

Black and White

You can use this option to shoot in black and white regardless of the type of scene.

- Using flash
Auto flash, Red-Eye Reduction, Forced Flash, Slow Synchro

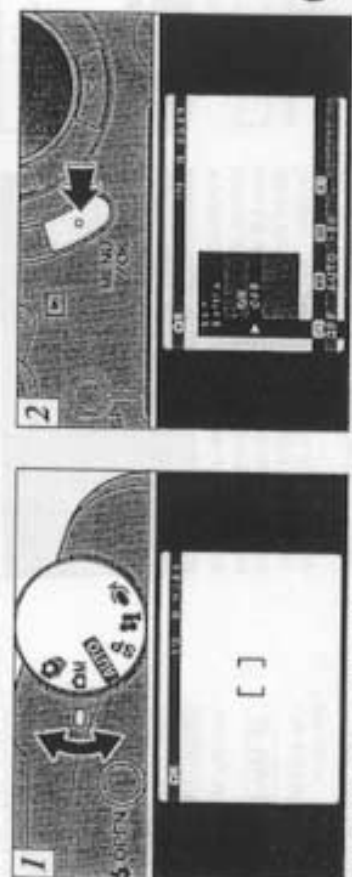
Macro

Use this mode for shots taken in the evening or at night. Night Scene mode gives priority to slower shutter speeds.

- Shutter
Slow shutter speed mode with speeds as slow as 3 seconds.
- When using the flash
Red-Eye Reduction, Forced Flash

With the Macro option, Black and White mode, the MACRO setting cannot be selected.

PHOTOGRAPHY MODE **OM MANUAL**



Turn the Mode dial to set the mode.

OM Manual

Manual mode allows you to specify your own combinations of photography settings.

● The factory default settings for "OM MANUAL" are shown on P.42.
To revert to the factory default settings, use "RESET ALL." (P.52)



Turn the Mode dial to set the mode.

Continuous shooting

In this mode, the camera shoots up to 5 continuous frames at intervals as short as 0.2 seconds.

- You cannot use the flash in this mode.
- The continuous photography speed is the same regardless of the quality and file size settings.

Auto bracketing can be used in this mode.
(P. 63)



A preview screen is always shown when you take pictures in this mode. The images are arranged from left to right in the order they were taken. To record the images, press the "MENU/OK" button. To continue without recording the images, press the "BACK" button.

You can also select the image to be recorded. See P.95 for details.

- The focus and exposure are determined for the first frame and cannot be changed during shooting.
- The "SAVING TO CARD" message is displayed while data is being recorded onto the SmartMedia.
- The time required to record a file is approximately 12 seconds in "BASIC/NORMAL" mode.



Turn the Mode dial to select the settings.

Movie (Video)

Use this mode to shoot up to 160 seconds of video per movie.

- Movie format: Motion JPEG (P. 126)
320 x 240 pixels
10 frames per second
With sound

- Because the audio is recorded as you shoot, take care not to cover the microphone with your finger (P. 8).
- The shooting time per shot may be shorter than 160 seconds depending on the available space on the SmartMedia.
- You cannot switch the LCD monitor off in this mode.
- You may not be able to play back your movie on cameras other than the FinePix6800 ZOOM.

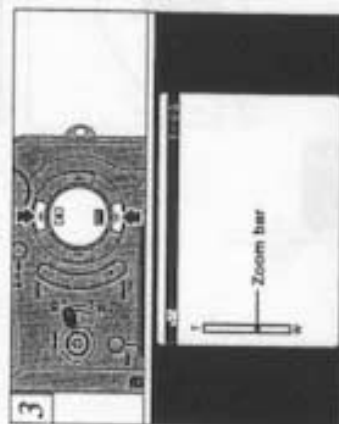


The available shooting time and the "1:59" message are shown on the LCD monitor.

SmartMedia standard shooting time

SmartMedia Capacity	Available recording time (Sec.)
MG-4S (4MB)	Approx. 23 sec.
MG-8S (8MB)	Approx. 47 sec.
MG-16S (16MB)	Approx. 94 sec.
MG-32S (32MB)	Approx. 191 sec.
MG-64S (64MB)	Approx. 385 sec.
MG-128S (128MB)	Approx. 774 sec.

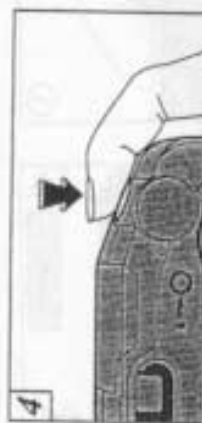
● The number of available shots are shown for formatted SmartMedia.



In Movie mode, the lens is locked at the wide-angle setting and only the digital zoom can be used. You can use the "A" and "V" buttons to zoom in an out. A "zoom bar" is displayed on the LCD monitor.

• Digital zoom focal distance

Approx. 36 mm to 72 mm (1.4 in. to 2.8 in.) (2.00x)



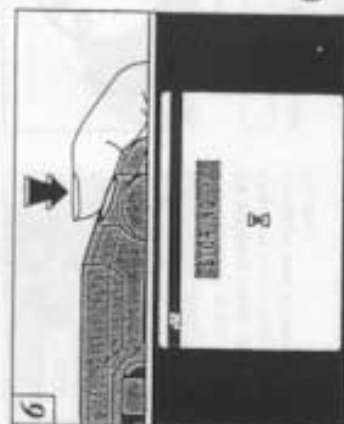
Shooting begins when you press the shutter button down fully.

- You do not need to hold down the shutter button.
- The focus is fixed at 50 cm (1.6 ft.) to infinity.
- The focus and white balance are fixed during shooting, but the exposure varies automatically to suit the scene being shot.

The white balance is automatically set when you press the shutter button down fully.



During shooting, a liner in the top-right corner of the LCD monitor counts down the remaining time.



If you press the shutter button during shooting, shooting ends and the movie is recorded on the SmartMedia.

- The time required to record a 160-second movie (roughly 25 MB) is approximately 22 seconds.
- If you end shooting immediately after you start shooting, only 3 seconds of movie is shot.

Once the remaining time runs out, movie recording automatically stops and the movie is stored on the SmartMedia.

PHOTOGRAPHY MODE AUDIO RECORDING



Turn the Mode dial to select the settings.

Audio recording

Use this mode to record up to 1 hour of sound per audio recording.

- Recording format: WAVE (→ P. 126)
- Take care not to block the microphone (→ P. 8) with your fingers, etc.
- The maximum length of the audio recording may be shorter than 1 hour depending on the available space on the SmartMedia.

To prevent the loss from tempering, extend the select the mode before switching the camera's lcd.



The available audio recording time is shown in the top-right corner of the LCD monitor, while the elapsed recording time and the "[LAMP]" message are shown in the center of the LCD monitor.

Standard audio recording times for SmartMedia

SmartMedia capacity	Available recording time (min.)
MG-45 (4MB)	Approx. 8 min.
MG-85 (8MB)	Approx. 16 min.
MG-165 (16MB)	Approx. 33 min.
MG-325 (32MB)	Approx. 67 min.
MG-645 (64MB)	Approx. 135 min.
MG-1285 (128MB)	Approx. 272 min.

● These audio recording times are for newly formatted SmartMedia.



① Pressing the shutter button down fully starts audio recording.

② During audio recording, the self-timer lamp blinks and counters on the LCD monitor show the elapsed and remaining time.



Press the shutter button during audio recording to stop recording.

- You do not need to hold down the shutter button.
- Once the remaining time runs out, audio recording automatically stops.

- Even if you press the shutter button to end audio recording immediately after recording starts, approximately 3 seconds of sound will be recorded.

FLASH PHOTOGRAPHY



Press the "OPEN" button to pop up the flash.

• **Effective flash range (for "E100")**

Wide-angle: 0.2 m to 3 m (0.6 ft. to 9.8 ft.)

Telephoto: 0.2 m to 2 m (0.6 ft. to 6.5 ft.)



Press "A" to select the flash setting. The flash setting changes (A • S • S) each time you press "A".

• If the photography mode is "E100", use the Auto Flash mode.

• When you pop the flash up, the image shown on the screen may disappear and the screen may go dark because the flash is charging. In this event, the indicator lamp flashes orange.



A Auto Flash Mode

Use this mode for ordinary photography. The flash fires automatically as required by the shooting conditions.



Red-Eye Reduction

Use this mode to ensure that the subject's eyes appear natural when photographing people in low-light conditions.

The flash fires a pre-flash just before the picture is taken and then fires again to take the actual picture.

Red-Eye Effect

When you use the flash to photograph people in low-light conditions, their eyes sometimes appear red in the picture. This is caused by the light of the flash reflecting off the inside of the eye. Use Red-Eye Reduction flash to effectively minimize the likelihood of the red-eye effect.

Take the following measures also to make Red-Eye Reduction more effective:

- Get the subjects to look at the camera.
- Get as close as possible to the subjects.

FLASH PHOTOGRAPHY



1 Forced Flash

Use this flash mode to photograph backlit scenes, such as a subject against a window or in the shade of a tree, or to obtain the correct colors when you are shooting under lighting such as fluorescent tubes. In this mode, the flash fires in bright as well as dark conditions.



S1 Slow Synchro

This is a flash mode that uses a slow shutter speed. This allows you to take pictures of people at night that clearly show both your subjects and the nighttime backdrop.

- The image may be overexposed when you shoot bright scenes.
- Because a slow shutter speed is used, a tripod should be used to prevent camera shake.

To take the picture with a background brightly lit with a flash subject in the light, use the "SP" mode (Night Scene) settings (P. 44).



Ⓢ Suppressed Flash

Pressing the flash down switches the camera to Suppressed Flash mode.

Use this mode for photography using indoor lighting, for shots taken through glass, and for photography in venues such as theaters or at indoor sporting events where the distance is too great for the flash to be effective. When you use Suppressed Flash, the Auto White Balance function (P. 126) operates so that natural colors are captured along with the ambience of the available light.

- If you are shooting in Suppressed Flash mode in dark conditions, use a tripod to prevent camera shake.
- See P. 23, 118 for information on the camera shake warning.



Close the flash to switch to Suppressed Flash mode. The "Ⓢ" icon appears on the display panel and you cannot use the flash.

- In the modes shown below, the "Ⓢ" icon is not displayed but the flash still cannot be used.

- ▲ Scene (Landscape) (P. 44)
- ▶ Movie (Video) (P. 47)
- Ⓢ Continuous shooting (P. 46)

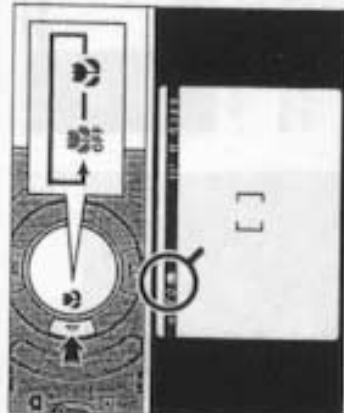
MACRO (CLOSE-UP) PHOTOGRAPHY

This mode can be selected in the **TELE** • **IM** • **Q** and **QW** photography modes. Selecting Macro mode allows you to take close-up shots.

- Effective Photography Range: Approx. 20 cm – 80 cm.

- The macro setting cannot be changed while you are using manual focus (→P.65).
- Select the appropriate Flash mode for the conditions (→P.62).
- If the flash is too bright, adjust the flash brightness (→P.67).
- When shooting in dark conditions, use a tripod to prevent camera shake.

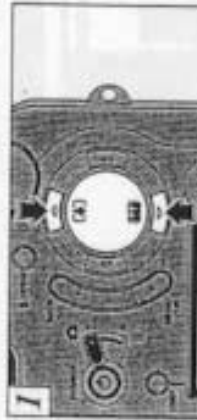
If you use the Viewfinder to take a picture in Macro mode, the field visible through the viewfinder does not match the field actually photographed because the viewfinder and lens are in different positions. Accordingly, you should take the LCD monitor to take a picture in Macro mode.



The setting switches between **MACRO OFF** and **MACRO ON** each time you press **MACRO**. The **MACRO** icon appears on the display panel and the LCD monitor when you are using Macro mode.

- The LCD monitor automatically switches on.
- Macro photography is automatically cancelled in the following situations:
 - When the photography mode is switched to **SP** or **ST**.
 - When the camera is switched off.

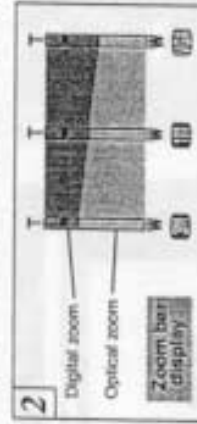
DIGITAL ZOOM



You can use the digital zoom function for all Resolution (File Size) settings other than **600**. Note that the digital zoom only functions when you use the LCD monitor to take shots.

- To use the digital zoom: Use the optical zoom to zoom in fully (telephoto) and then press the **▲** (4x) button again.
- To revert to optical zoom: Use the digital zoom to zoom out fully (wide-angle) and then press the **▼** button again.

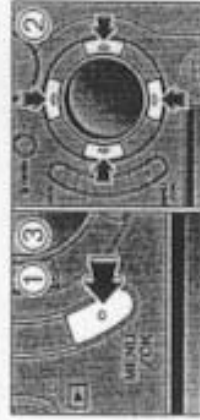
- You cannot use the digital zoom for resolutions of **600**.
- See P.94 for information on changing the file size setting.



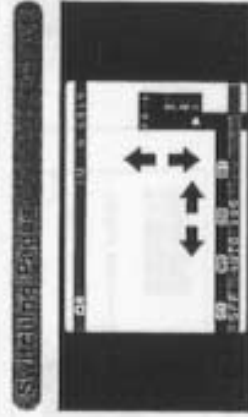
A "zoom bar" appears on the screen. If the image on the screen is difficult to make out, press the shutter button down halfway.

- Digital zoom focal lengths (35 mm camera equivalent)
 - 600**: Equivalent to approx. 106 mm – 151 mm (1.4x)
 - 1200**: Equivalent to approx. 106 mm – 238 mm (2.2x)
 - 1800**: Equivalent to approx. 106 mm – 475 mm (4.4x)
- Movie: Equivalent to approx. 36 mm – 72 mm (2.00x)

- The optical zoom is equivalent to approximately 36 mm – 108 mm on a 35 mm camera.



- ① Press the "MENU/OK" button to display the menu.
- ② Use "←" and "→" to select the menu item and "▲" and "▼" to change the setting.
- ③ Press the "MENU/OK" button to confirm the setting.



In "CM MANUAL" mode, you need to switch between menus.
Use the page numbers on the right-hand side of the LCD monitor to jump to another page.

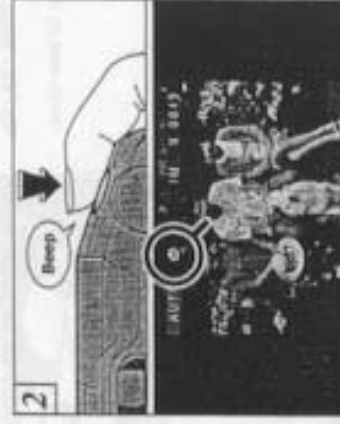
■ Photography Menu

Page	Setting
1	00 - 00 - 00 - 00
2	00 - 00 - 00 - 00
3	00 - 00 - 00 - 00

● The settings available in the menu screen differ depending on the photography mode. See P.42 for details.



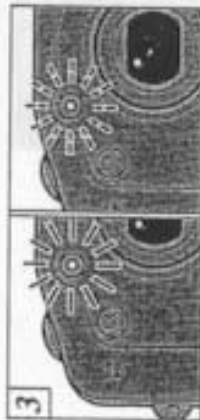
This mode can be selected in the "CM" • SP • CM • and "CM" photography modes.
In this mode a timer runs for roughly 10 seconds before the shutter is released. Use this mode for shots such as photographs of yourself.



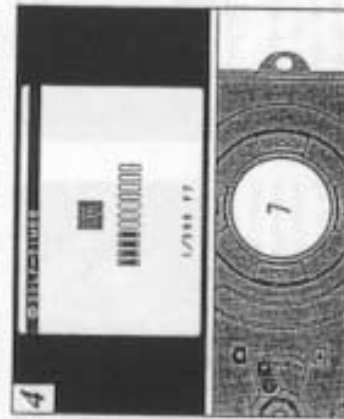
Position the AF frame over the subject and press the shutter button. The camera focuses on the subject in the frame and self-timer starts to run.

- You can also use the AF/AE lock (P.31).
- Be careful not to stand in front of the camera when you press the shutter button as this can cause focusing or light metering errors.

PHOTOGRAPHY MENU SELF-TIMER PHOTOGRAPHY



The self-timer lamp lights and then starts flashing until the picture is taken.

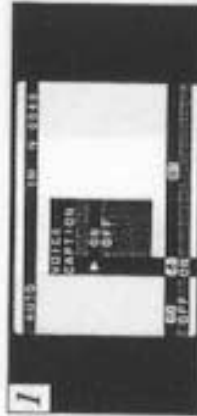


The time until the shutter releases is shown as a countdown bar on the LCD monitor and display panel. Self-timer mode is automatically cancelled after each shot.

- The self-timer is not cancelled for multi-exposure shots.
- You can check the countdown on the display panel when the LCD monitor is switched off.

● To stop the self-timer, once it has started running, press the "BACK" button.

PHOTOGRAPHY MENU VOICE CAPTIONING



This function can be selected in the "MENU" photography mode. Voice Memo allows you to record a voice memo (comment) up to 30 seconds long for an image immediately after you take the shot.

- Recording format: WAVE (16-bit)
Audio file size: Approx. 240 KB (for a 30-second voice memo)



Take a picture as normal. The "REVIEW" message then appears on the LCD monitor.

- The sound recording time may be shorter than 30 seconds depending on the available space on the SmartMedia.
- Even if the LCD monitor is switched off, it automatically switches on when you take a picture using the Voice Memo function. The LCD monitor switches off again when audio recording ends.

● If you do not want to record a voice memo, press the "BACK" button. Note that the image will still be recorded.

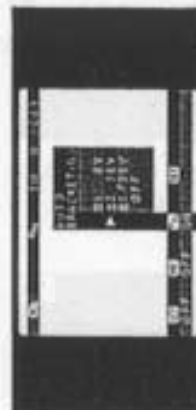
PHOTOGRAPHY MODE VOICE CAPTIONING



- 1 Press the "MENU/OK" button to start recording the voice memo.
- 2 During voice memo recording, the self-timer lamp blinks and counter on the LCD monitor shows the elapsed time.

Focus the microphone (P.18) on the front of the camera to record your comment. Hold the camera roughly 20 cm away from the best results.

PHOTOGRAPHY MENU AUTO BRACKETING



This mode can be selected in the "Q" photography mode.
Use this feature to photograph the same image with different exposure settings. Auto bracketing automatically shoots 3 consecutive frames, one of which is correctly exposed while the remaining two are underexposed and overexposed respectively by a set amount.

- The three available settings are $\pm 1/3$, $\pm 2/3$ and ± 1 EV. See P.126 for a definition of EV.
- Flash photography cannot be used.
- This feature always takes 3 shots. However, if there is insufficient space on the SmartMedia for 3 shots, no picture will be taken.

Five frame continuous shooting control be used when Auto Bracketing is selected.



- 1 When you have recorded 30 seconds of sound, the "1:19" message appears on the LCD monitor.
- 2 To finish: Press the "MENU/OK" button.

To re-record your comment: Press the "BACK" button.

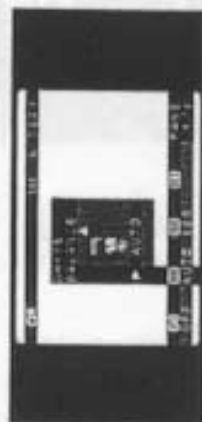
- To end your comment during recording, press the "MENU/OK" button.



When Preview display is set to "ON", a (a) is correctly exposed, (b) is overexposed and (c) is underexposed. To record the images, press the "MENU/OK" button. To proceed without recording the images, press the "BACK" button.
You can also select the image to be recorded. See P.95 for details.

- The "STORING..." message appears on the LCD monitor while the images are being recorded onto the SmartMedia.
- The time required to record a file is approximately 12 seconds in "E" mode.

PHOTOGRAPHY MENU [WB] WHITE BALANCE



This mode can be selected in the "WB" photography mode.

Change the white balance setting when you want to take a picture with the white balance fixed for the surroundings and lighting when the picture is taken.

In Auto mode, the correct white balance may not be obtained for subjects such as close-ups of people's faces and shots taken under a special light source. In such situations, select the correct white balance for the light source. See P.126 for more information on the white balance.

AUTO: Automatic adjustment
(Shooting to show the ambience of the light source)

* : Shooting outdoors in fine weather

☀ : Shooting in shade

☀ : Shooting under "Daylight" fluorescent lamps

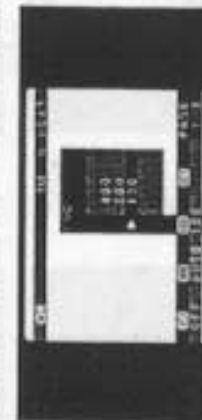
☀ : Shooting under "Warm White" fluorescent lamps

☀ : Shooting under "Cool White" fluorescent lamps

☀ : Shooting in incandescent light

* The white balance setting (unless it is a Custom White Balance setting) is ignored when you use the flash. To achieve the desired effect in your shot, press the flash back down to suppress flash operation (→P.55).

PHOTOGRAPHY MENU [ISO] SENSITIVITY



This mode can be selected in the "ISO" photography mode.

Use this setting when you want to take bright pictures indoors without using a flash or when you want to use a fast shutter speed. (to prevent camera shake, etc.)

• Settings: 100 (standard), 200, 400

PHOTOGRAPHY MENU [MF] MANUAL FOCUS

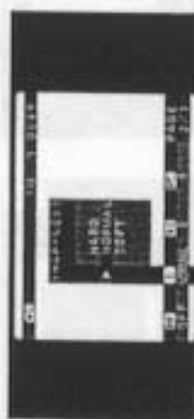


This function can be selected in the "MF" "OM" and "O" photography modes. When the camera cannot focus in AF mode, use this mode to set the focus and take the picture.

When you select this mode, the "MF" icon appears on the LCD monitor.

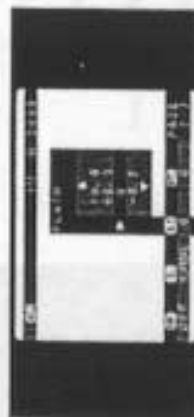


Press **W** (**W**) to focus on a nearby subject and **M** (**M**) to focus on a distant object. Use the LCD monitor to check the focus.



This mode can be selected in the "OM" photography mode.
Use this setting to soften or emphasize outlines or to adjust the image quality.

- Three levels of sharpness are available
HARD : Emphasizes the outlines.
Best for shots of subjects such as buildings or text where you want sharp images.
- NORMAL** : Best for ordinary photography.
Provides edge sharpness that is ideal for ordinary shots.
- SOFT** : Softens the outlines.
Best for shots of subjects such as people, where a softer image is desirable.



This mode can be selected in the "OM" photography mode.
Use this setting when you cannot obtain the correct brightness, such as when the flash does not reach the subject (is too faint) or when you are using the flash for a close-up shot.

- Correction range: ±2 steps
(-0.6 to +0.6 EV in 0.3 EV increments)
See P.126 for more information on EVs.



This mode can be selected in the "OM" photography mode.
Use the Brightness setting to obtain the optimum image brightness (exposure) when the subject is much brighter or darker than the background.

- Correction range: ±9 steps
(-1.5 to 1.5 EV in 0.3 EV increments).
See P.126 for a information on EVs.

Because the macro and flash settings cannot be changed once manual focus is set to OM, set the macro (P.56) and flash (P.52) settings beforehand.

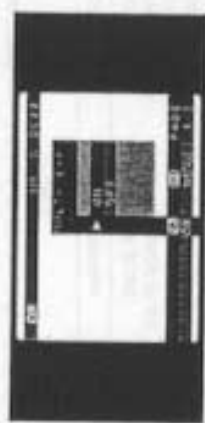
- The Brightness setting is disabled in the following situations:
 - When the flash is used in Auto or Red-Eye Reduction mode.
 - When dark scenes are shot in Forced Flash mode.



- ◆ Subjects for Which Exposure Adjustment is Particularly Effective ◆
- Copying of printed text (black characters on white paper) (+1.5 EV)
 - Backlit portraits (+0.6 to +1.5 EV)
 - Very bright scenes (such as snowfields) and highly reflective subjects (+0.9 EV)
 - Shots made up predominantly of sky. (+0.9 EV)

- ◆ Subjects for Which Exposure Compensation is Particularly Effective ◆
- Spotlit subjects, particularly against dark backgrounds (-0.6 EV)
 - Copying of printed text (white characters on black paper) (-0.6 EV)
 - Scenes with low reflectivity, such as shots of pine trees or dark foliage (-0.6 EV)

- Exposure compensation is disabled in the following situations:
 - When the flash is used in Auto or Red-eye Reduction mode
 - When Forced Flash mode is used and the scene photographed is dark



This mode can be selected in the "Q" photography mode. Multi-exposure provides a way of overlaying photographed images on top of each other to give a final image that cannot be obtained through normal photography.

- If the photographed image is overexposed, use negative compensation in the Brightness (exposure compensation) setting to correct the exposure.
- Only the optical zoom can be used for multi-exposure shots. The digital zoom (4.7-5.7) does not function.

Portrait is not suitable for the number of times multi-exposure can be used.



- 1 A preview screen appears when you take a picture.
- 2 Press "▶" to move to the next image frame.

When you take the next (multi-exposure) shot, the images are overlaid and displayed in the preview screen.

- To overlay more images: Press "▶".
- To record the current image: Press "MENU/OK".
- To return to the previous image: Press "◀".
- To stop without recording any images: Press the "BACK" button.

● A preview image is always shown, regardless of the photographed image display setting.