FUJIFILM

digital Tools for the imagination.

DIGITAL CAMERA

FinePix 4900 Zoom

SUPER CCD

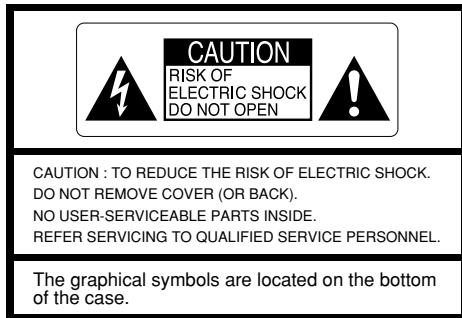| Getting Ready | 1 |
Basic Photography	2
Advanced Features Photography	3
Advanced Features Playback	4
Setting	5

OWNER'S MANUAL This manual will show you how to use your FUJIFILM DIGITAL CAMERA FinePix4900 ZOOM correctly. Please follow the instructions carefully.

BB11855-200(1) **E**

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 :

— 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.

You are cautioned that any changes or modifications not expressly approved in this manual could void your warranty.

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.

Contents

Preface

■ Test Shots Prior to Photography

For particularly important photographs (such as weddings and overseas trips), always take a test photograph to check 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 photography) 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 LCD 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 15minutes 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 be used in hospitals or aircrafts, 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.

● iMac 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. Trademark Information.

■ Explanation of Color Television System

NTSC : National Television System Committee, color television telecasting 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

● Uses the 1/1.7-inch Super CCD with 2.4 million pixels which delivers high resolution image file with 4.32 million pixels
● 6× optical zoom that uses aspherical lenses for superb optical performance
● Wide range of exposure modes, including a manual photography mode for fine tuning of the photography settings
● Quick, responsive operation with 3-second startup and as little as 1 second between shots
● Fast ISO 200 film speed (standard) and built-in automatic flash allow shooting in a wider range of situations
● Low noise (ISO 125) and high-sensitivity (ISO 400/800) settings available
● Can be used with external flash units
● Auto focus with Macro photography function (manual focus also available)
● Automatic shooting modes for different types of shot allow settings that can be tailored to your subject
● Convenient preview function so you can quickly check your shots
● Continuous shooting function even at maximum resolution
● Smooth (multilevel) digital zoom function (1.88× at megapixel resolutions) and playback zoom function (up to 15×)
● An "INFO" button that shows you a list of the camera settings at a single touch whenever you need it
● Movie (video) shooting function (320 × 240 pixels)
● 2-inch 130000 pixel low-temperature polysilicon TFT LCD monitor and 0.55-inch 110000 pixel Electronic viewfinder
● Magnesium alloy body
● USB connection for quick and easy image data transmission to your personal computer (provided as an optional accessory)
● Conforms to the new standard for digital camera file system✻
✻ Design rule for Camera File system
● Supports DPOF (Digital Print Order Format) for simple print ordering

Accessories

● **SmartMedia (16MB, 3.3V) (1)**
Supplied with :
• Anti-static case (1)
• Index label (1)

● **NP-80 Rechargeable Battery (1)**

● **AC Power Adapter AC-5V/AC-5VH (approx. 2 m connection cord) (1)**

● **Shoulder strap (1)**

● **Lens cap (1)**
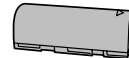
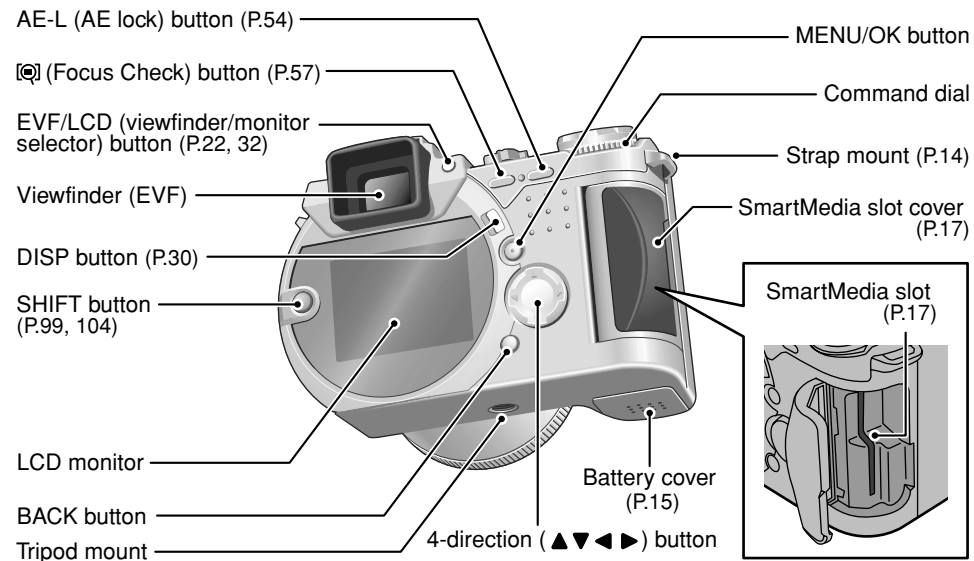● **Video Cable (approx. 1.5 m (4.9 ft.), mini-plug (3.5 mm dia.) to pin-plug cable) (1)**
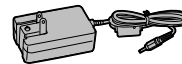
● **Interface Set (1)**
• CD-ROM (1)
• Special USB cable with Noise Suppression core (1)
• Quick Start Guide (1)

● **Owner's Manual (this manual) (1)**

Nomenclature

⌚ (Self-timer) button (P.60)

📷 (Continuous shooting) button (P.59)

🌷 (Macro : close-up photography) button (P.53)

⚡ (Flash) button (P.49)

Hot shoe (P.70)

Focusing ring (P.56)

Mode dial (P.11)

Command dial

Indicator lamp (P.26)

Mode switch (P.11)

⏻ (Power) button (P.19)

Shutter button

Self-timer lamp (P.61)

AE-L (AE lock) button (P.54)

⊙ (Focus Check) button (P.57)

EVF/LCD (viewfinder/monitor selector) button (P.22, 32)

Viewfinder (EVF)

DISP button (P.30)

SHIFT button (P.99, 104)

LCD monitor

BACK button

Tripod mount

MENU/OK button

Command dial

Strap mount (P.14)

SmartMedia slot cover (P.17)

SmartMedia slot (P.17)

Battery cover (P.15)

4-direction (▲▼◀▶) button

8

9

Nomenclature

Flash control sensor

🖼 (Exposure compensation) button (P.55)

Flash (P.49)

🖼 (Custom white balance) button (P.65)

Flash pop-up button (P.49)

DIGITAL (USB) socket (P.107)

Video out socket (P.38)

DC IN 5V (power input) socket (P.16)

Terminal cover (P.16)

Lens

Focusing mode selector switch (P.56)

INFO (information check) button (P.62, 74)

Zoom button (P.24)

Mode switch

⏻ (Power) button (P.19)

Photography mode (P.22)

Playback mode (P.32)

Mode switch (P.22, 32)

Mode dial

Shutter-priority Auto (P.42)

Aperture-priority Auto (P.42)

Programed Auto (P.42)

Manual (P.44)

Auto (P.40)

Setup (P.97)

Scene Position (P.40)

Movie (P.46)

Nomenclature

Example of Monitor Text Display • Shooting

P Photography Mode
⟳ Self-Timer photography
📷 Continuous shooting
🎞 Auto bracketing
A⚡ Flash mode
♣ Macro photography
MF Manual focus
▶•◀ Focus indicator

Number of remaining shots

File size/Image quality

AF warning

Battery low warning

AF frame

Zoom bar

Date

Shutter speed display

AE lock

Aperture setting display

Exposure compensation indicator

Exposure compensation

```
P ⟳ 📷 🎞          9999
A⚡ ♣ MF ▶•◀       2400
                  ! AF
                   ▭

T
|
[ ↑ ]

W
● 0 1 / 0 1 / 2 0 0 0
⟳  6 0 F 5 . 6 ☒ – ▮▫▯▮▯▮▯▮▯▮ +
```

Example of Monitor Text Display • Playback

Playback mode

Date

Playback frame number

Battery low warning

Protection

DPOF

Time

```
▶            1 0 0 – 9 9 9 9
              ▭
             🔒
             🖶
             9 9

● 0 1 / 0 1 / 2 0 0 0   1 2 : 0 0 P M ●
```

12
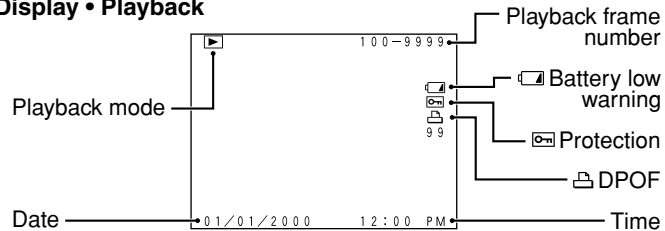
Shutter Speed and Aperture Setting Displays

If you exceed the control range for a photography mode (as with a scene that is extremely overexposed or underexposed), the shutter speed or aperture is displayed in red on the screen.

For dimly lit scenes, "----" is displayed on the screen as the shutter speed and aperture setting. When this occurs, press the shutter button down halfway so that the camera takes the measurements and displays the settings.

■ Photography Modes and Responses

|	Photography Mode		Response
Overexposure	**AUTO** **SP** **P**	(Auto) (Scene Position) (Program)	Use the optional Adapter Ring and ND (Light Adjustment) Filter (➡P.109).
	S	(Shutter-priority)	Select a faster shutter speed (up to 1/1000) (➡P.42). *1
	A	(Aperture-priority)	Select a higher aperture setting (up to F11) (➡P.42). *1
	M	(Manual)	Select a faster shutter speed (up to 1/1000) or a higher aperture setting (up to F11) (➡P.44). *1
Underexposure	**AUTO** **SP** **P**	(Auto) (Scene Position) (Program)	Use the flash.
	S	(Shutter-priority)	Select a slower shutter speed (up to 3 sec.) (➡P.42). *2 *3
	A	(Aperture-priority)	Select a lower aperture setting (down to F2.8) (➡P.42). *2 *3
	M	(Manual)	Select a slower shutter speed (up to 3 sec.) or a lower aperture setting (down to F2.8) (➡P.44). *2 *3

*1 If you change the settings and the image is still overexposed, use the optional Adapter Ring and ND (Light Adjustment) Filter (➡P.109).
*2 If the image is underexposed even after you change the shutter speed, use the flash (➡P.49).
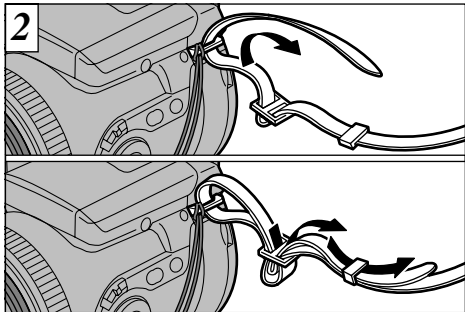*3 If you do not use a flash, the shutter speed will be slow and a tripod should be used.

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1
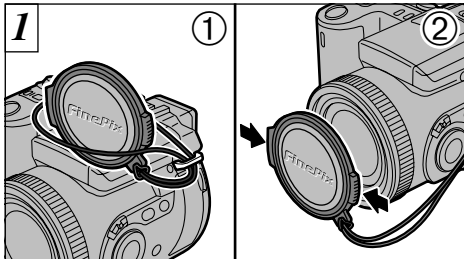
① Pull the lens cap cord through the strap mount.
② Fit and remove the lens cap by squeezing the left and right sides of the cap.

2

Attach the shoulder strap by threading it through the strap mount. Attach the other end of the shoulder strap to the other side of camera in the same way.
After attaching the shoulder strap, check carefully that the strap is firmly secured.

⚠ Attach the lens cap cord to avoid losing the lens cap.
14 ⚠ Always remove the lens cap when taking pictures.

⚠ Attaching the shoulder strap incorrectly could result in the camera being dropped.

SELECTING THE POWER SUPPLY

Loading the Battery

1
Arrow mark ▼
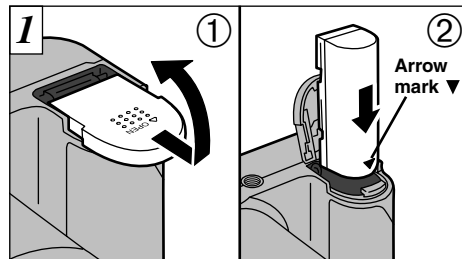
① Slide the battery cover in the direction of the arrow and lift it open.
② Load the battery with the "▼" indicator end downwards.

⚠ 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.
⚠ Take care to load the battery the right way up. Insert the end of the battery with the gold terminals into the battery compartment first.

2
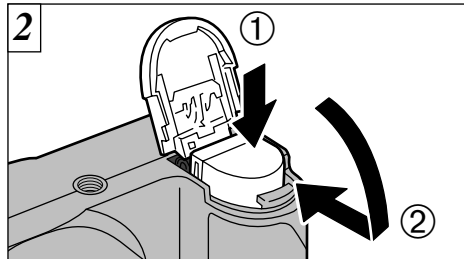
① Hold the battery in, ② and close the battery cover.
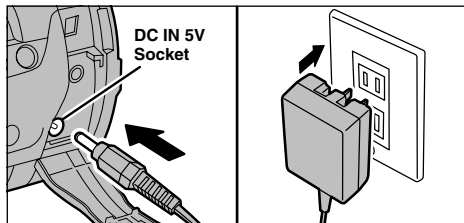
◆ **Battery Type** ◆
NP-80 rechargeable battery.
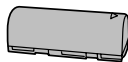
⚠ The battery is not fully charged at shipment. You must charge the battery before you use it.
⚠ See P.114 – 116 for more information on the battery.

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1

SELECTING THE POWER SUPPLY

Connecting the AC Power Adapter

DC IN 5V Socket

Check that the camera is switched off. Open the terminal cover and insert the AC power adapter connector plug into the "DC IN 5V" socket. Then plug the AC power adapter into the power outlet.

To shoot or play back images without depleting the battery charge, use the special AC Power Adapter AC-5V/AC-5VH.

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

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

⚠ Using AC power adapters other than the AC-5V/AC-5VH could damage the camera.

⚠ See P.116 for more information on the AC power adapter.

Charging the Battery
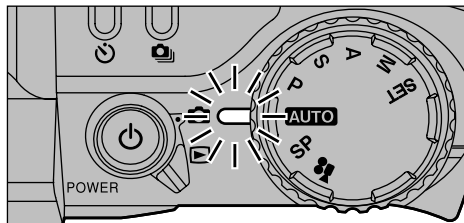
POWER

Load the battery and connect the AC power adapter. After approximately 3 seconds, the indicator lamp turns orange and charging begins. When charging ends, the indicator lamp goes off.

⚠ A fully discharged battery takes about 5 hours to recharge.

⚠ An almost fully charged battery will not charge. This is normal and does not indicate a fault.

⚠ If you switch the camera on while the battery is charging, the charging will stop.

⚠ The battery will not charge if the AC power adapter connector is not correctly plugged into the camera.

⚠ Charging times can be shortened by using the optional Battery Charger BC-80 (➡P.110).

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LOADING THE SmartMedia™

SmartMedia™ (sold separately)

■ **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-64S (64MB)
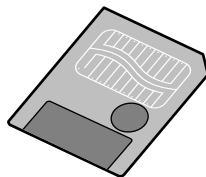
⚠ Images cannot be recorded or erased if a write-protect sticker is affixed to the SmartMedia.

⚠ 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.118 for more information on SmartMedia.
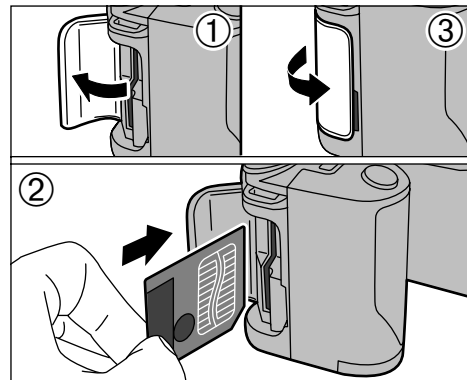
① Check that the camera is switched off and open the slot cover.

② Push the SmartMedia firmly into the SmartMedia slot as far as it will go.

③ 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.

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1

REMOVING THE SmartMedia™
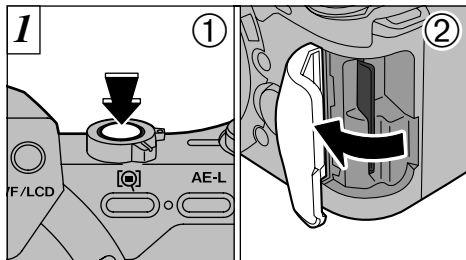
① Check that the indicator lamp is green and switch the camera off (➡next page).
② Open the slot cover.
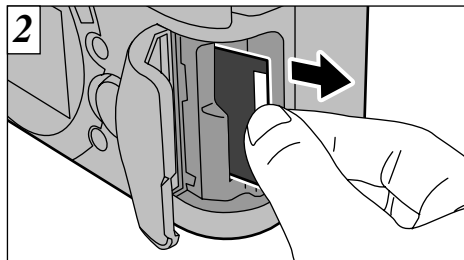
Grasp the SmartMedia with your fingertips and pull it out.

!To protect the SmartMedia, always store it in the special anti-static case.

◆ **Printing Images and Downloading Images to a Personal Computer** ◆

● See P.86, 105 for information on printing images.
● See P.105 – 108 for information on downloading images to a personal computer.

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

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SWITCHING ON AND OFF ∗ See P.67 – 68 for information on selecting the language

⊘DATE/TIME

DATE/TIME
NOT SET

SET ◀▶ NO

OK➡[OK]
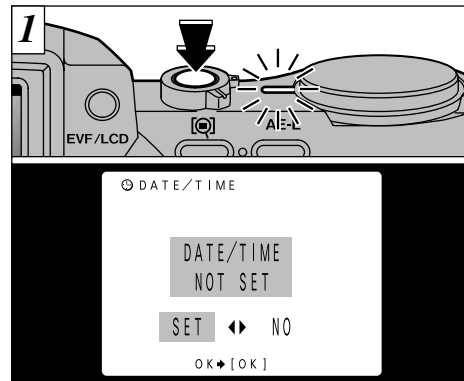
Press the "⏻" (Power) button to switch the camera on and off. When you switch the camera on, the indicator lamp turns green.
If the date and time are not set, a confirmation screen appears each time you switch the camera on. Use "◀" or "▶" to select "SET" or "NO" and press the "MENU/OK" button. (See P.21 if you selected "SET".)

!If you switch the camera on when the Mode switch is set to "📷", the lens extends. Take care not to press on the lens.

| ① | | Blank |
②	🔋	Lit yellow
③	🔋	Lit red
④	🔋	Lit red
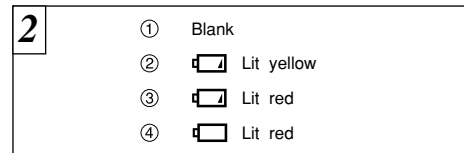
With the LCD monitor on, you can check the remaining charge in the battery.
① Battery has ample charge. (No indicator displayed.)
② The battery is approximately half charged.
③ Battery charge low. Replace or recharge the battery as it will run out shortly.
④ The battery is exhausted. The display will shortly go blank and the camera will stop working. Replace or recharge the battery.

◆ **Auto Power Save Function** ◆

If the camera is not used in any way for 15 seconds when the camera functions are enabled, this function temporarily switches features such as the LCD screen off to reduce power consumption. If the camera is then left unused for a further period (2 or 5 minutes), the Auto Power Save function automatically switches the camera off. (See P.102 for details.)

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1
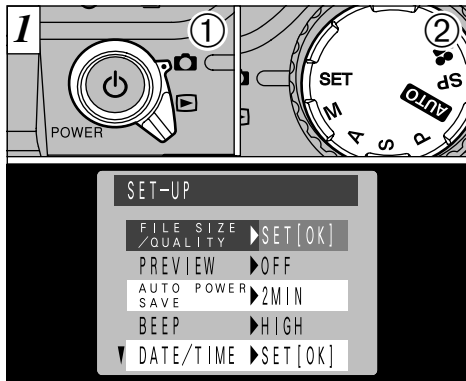
SETTING THE DATE AND TIME

① Set the Mode switch to "📷" ② Set the Mode dial to "**SET**". The SET-UP screen appears on the LCD monitor.

If the date and time settings are cleared when you switch the camera on, a confirmation screen appears. If you chose to reset the date and time, proceed from step **3**.
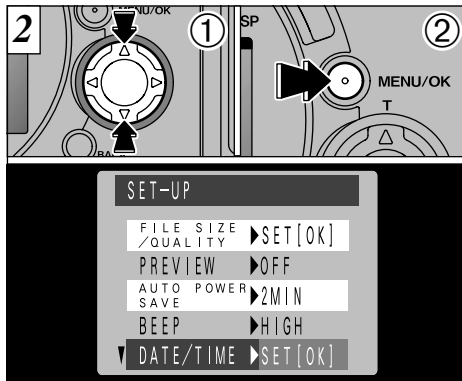

① Use "▲" or "▼" to select "DATE/TIME".
② Press the "MENU/OK" button.

❗ See P.97 for more information on the items in the "**SET**" (SET-UP) mode 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).
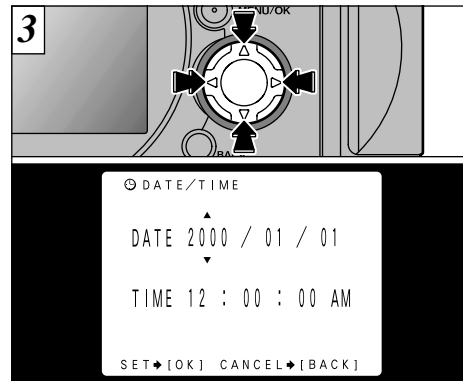
Use the "◀ ▶" button to select the desired item and then use the "▲" and "▼" buttons to correct the setting.

❗ If you hold down "▲" or "▼", the numbers change continuously.
❗ You cannot set seconds.
❗ When the time displayed passes "12:00:00", the AM/PM setting automatically switches.
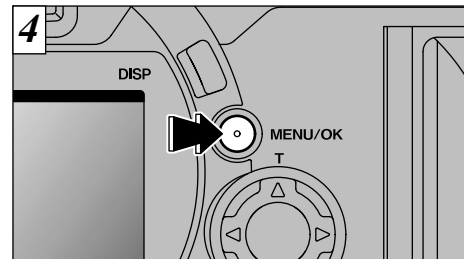
When you have finished setting the date and time, press the "MENU/OK" button to confirm the setting. The SET-UP screen then reappears.
To exit the "**SET**" mode, set the mode dial to any mode other than the "**SET**" mode.

❗ If you selected "**SET**" when you switched the camera on, the camera switches to photography or playback mode.
❗ To set the time precisely, press the "MENU/OK" button when the time is at zero seconds.
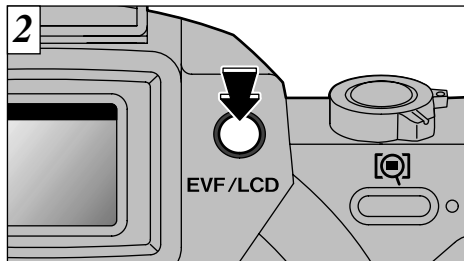
TAKING PICTURES (AUTO MODE)

1
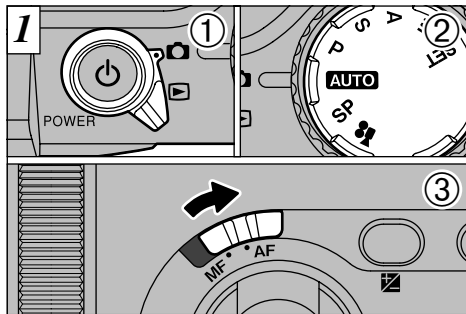
① Set the Mode switch to "📷" ② and set the Mode dial to "**AUTO**". ③ Then slide the focus selector switch to "AF".

● **Effective Photography Range**
Wide-angle : Approx. 50 cm to infinity
Telephoto : Approx. 90 cm to infinity

⚠ If the date display is flashing, set the date and time (➡P20).
⚠ For close-up photography, set the mode to MACRO (➡P.53).

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2

EVF /LCD

You can switch between using the viewfinder (EVF) and the monitor (LCD) to take pictures by pressing the EVF/LCD button.

The EVF/LCD selection setting is retained when the mode is switched or the camera is switched off.

3 **EVF photography** | **LCD photography**
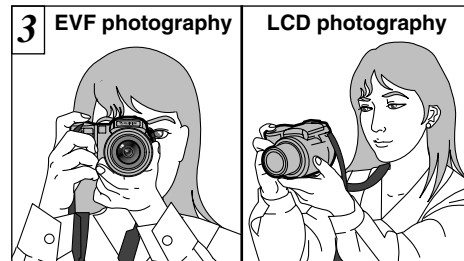
Put your arm through the shoulder strap so that the strap is looped around your shoulder. Hold the camera grip with your right hand and use your left hand to support the camera (lens) securely.
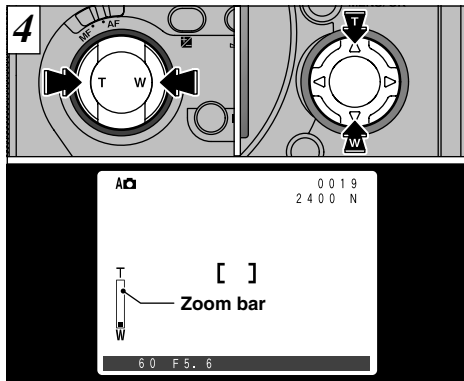
⚠ Check that the lens is clean. If it is dirty, clean the lens as described on P.113.

EVF photography | **LCD photography**
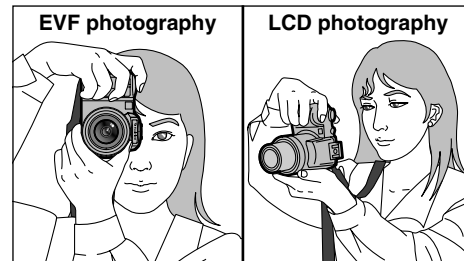
When taking pictures with the camera held on its side, grasp the camera firmly so that your left hand takes the weight of the camera.

⚠ Use of the automatic flash is recommended (➡P.50).
⚠ Moving the camera when you take a picture can result in a blurred image. Particularly when you are shooting in dark locations, you should use the flash (➡P.49) or a tripod to prevent camera shake.

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4

You can use the "Zoom" button or the 4-direction button "▲▼" to zoom in and out. To zoom in on the subject, press the T side of the button. To zoom out, press the W side. When you use the zoom, a "zoom bar" appears on the screen.

Zoom bar

⚠ When you are shooting with the camera held on its side, use the 4-direction button "▲▼".

⚠ The FinePix4900 ZOOM uses a 6✕ zoom with a focal length equivalent to 35 mm – 210 mm on a 35 mm camera. The focal length when the camera is switched on is equivalent to roughly 50 mm.

24

5

Frame the shot so that the subject fills the entire AF (Auto Focus) frame.

⚠ If the subject is not in the AF frame, use AE/AF lock to take the picture (➡P.28).

6
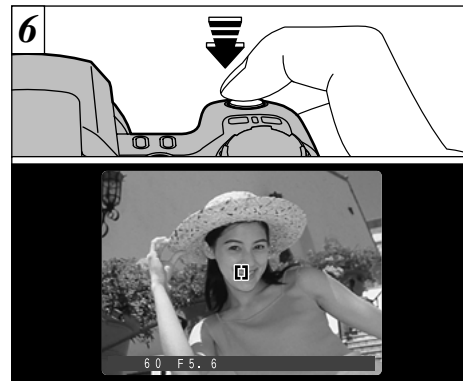
When you press the shutter button down halfway, the AF frame on the screen becomes smaller and the camera focuses. The camera also selects the shutter speed and aperture setting at that point.

⚠ When you press the shutter button down halfway, the image on the screen freezes temporarily. However, this image is not the recorded image.

⚠ If it is too dark to focus, move at least 2 m away from the subject and take the picture.

7
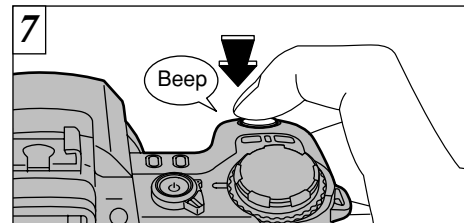
Beep

If you press the shutter button down halfway and then press the shutter button down fully without releasing it (push down fully), the camera beeps and takes the picture. The camera then records the image data.

2

⚠ If you press the shutter button down fully in a single motion, the AF frame does not change size and the picture is taken immediately.

⚠ When you take a picture, the indicator lamp turns orange (photographs cannot be taken). When the indicator lamp turns green again, the camera is ready to take pictures.

⚠ The indicator lamp flashes orange while the flash is charging.

⚠ Because the amount of data recorded varies depending on the subject (level of image detail, etc.), the number of available shots after an image is recorded may remain the same or may decrease by 2 frames in some cases.

⚠ Refer to P.120 for information on warning displays.

25

■ Indicator Lamp Display

| Color	Status	Meaning
Green	Lit	Ready to shoot.
Green	Flashing	AF/AE in progress or camera shake warning. Recording to SmartMedia (the next picture can be taken).
Orange	Lit	● Image being recorded onto the SmartMedia (the next picture cannot be taken). ● Battery charging in progress.
Orange	Flashing	Flash charging.
Red	Flashing	● SmartMedia warning. No SmartMedia loaded, SmartMedia not formatted, incorrect format, write-protect sticker used, SmartMedia full, SmartMedia error. ● Battery charging error. ● Lens operation error. ✽ Detailed warning messages are displayed on the screen (➡P.120).

◆ Subjects Not Suitable for Autofocus ◆

Though the FinePix4900 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 distant and 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.

Number of Available Frames
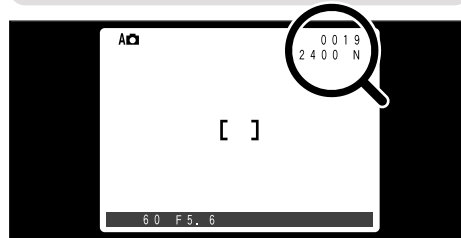
The number of available shots is displayed on the monitor in the position shown in the figure at left.

ℹ See P.99 for information on changing the File size and Quality setting.
ℹ At shipment, the default settings are 2400 × 1800 (for File Size) and NORMAL (for 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	2400 × 1800				1600 × 1200		1280 × 960		640×480
Quality Mode	HI	FINE	NORMAL	BASIC	FINE	NORMAL	FINE	NORMAL	NORMAL
Image Data Size	Approx. 12.7MB	Approx. 1.7MB	Approx. 810KB	Approx. 330KB	Approx. 770KB	Approx. 390KB	Approx. 620KB	Approx. 320KB	Approx. 90KB
MG-4S (4MB)	0	2	4	11	4	9	6	12	44
MG-8S (8MB)	0	4	9	23	10	19	12	24	89
MG-16S/SW (16MB)	1	9	19	47	20	39	25	49	165
MG-32S/SW (32MB)	2	18	38	94	41	79	50	99	331
MG-64S/SW (64MB)	5	36	77	189	82	159	101	198	663

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

2

USING AF/AE LOCK

1

A⬛ 0019
2400 N

60 F5.6

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.
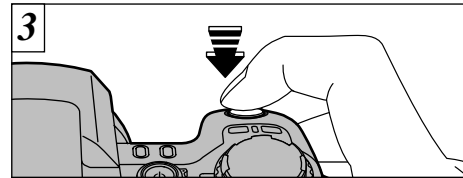
2

A⬛ 0019
2400 N

60 F5.6

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

3

60 F5.6

Press and hold the shutter button down halfway (AF/AE lock). The AF frame on the screen becomes smaller and the camera determines the shutter speed and aperture setting.

4

Beep

60 F5.6
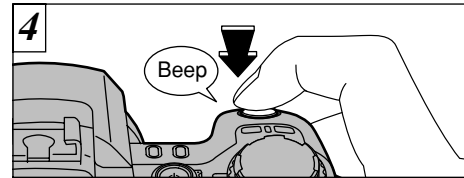
With the shutter button still held down halfway (AF lock), move the camera back to the original image and press the shutter button down fully.

⚠ Check that the focus selector switch is set to "AF".

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

On the FinePix4900 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.

⚠ 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.
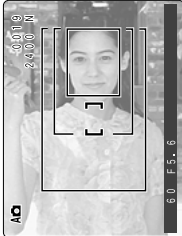
2

FRAMING GUIDELINE FUNCTION

1

Text displayed
↓
Framing Guideline displayed
↓
No text displayed
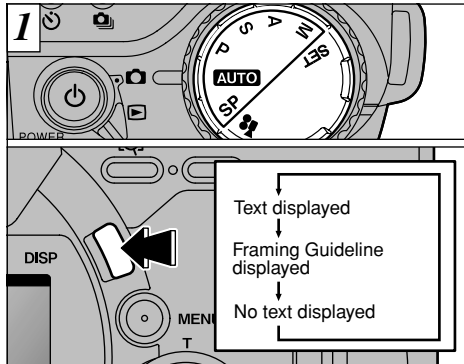
When the Mode dial is set to a setting other than "🎬", the screen display changes each time the "DISP" button is pressed. Press the "DISP" button to display the framing guideline.

2

A📷   0019
2400 N

[ ]

60 F5.6

Scene
↕
Group shot
↕
Portrait
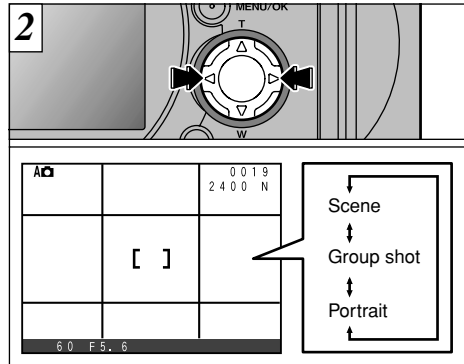
You can use the "◀" and "▶" buttons to select 3 framing guidelines. The framing guidelines help you to compose shots when you are taking pictures.

⚠ The framing guideline is not recorded on the image.

Scene	Group Shot	Portrait (Vertical shot 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 is the most effective frame for monitoring the size and balance of your subject when the shot involves motion.	Use this frame when you are shooting groups of 2 or more people. By composing the shot so that your subjects are as large as possible within the frame, the photograph will clearly show their facial expressions.	Use this frame for portrait photography. Fit the subject's face into one of the 3 frames to shoot a close-up portrait (large frame), a head and shoulders shot (middle frame), or a half-body shot (small frame). Move at least 90 cm away from the subject and take the picture using the zoom.

2

⚠ 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.

◆ **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.
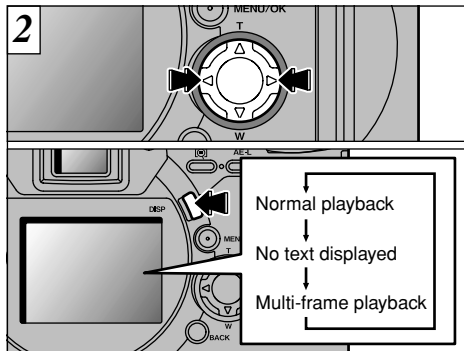
VIEWING YOUR IMAGES (PLAYBACK)

1

2

Normal playback
↓
No text displayed
↓
Multi-frame playback
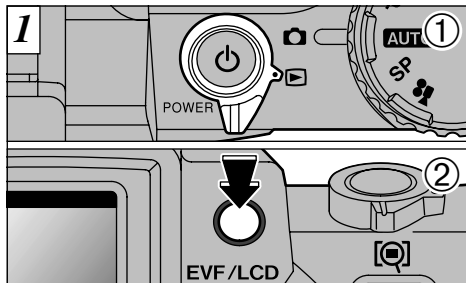
① Set the Mode switch to "▶".
② The setting toggles between the viewfinder (EVF) and the monitor (LCD) each time you press the "EVF/LCD" button.

⚠ When you set the Mode switch to "▶", the last image shot is displayed.

The EVF/LCD selection setting is retained when the mode is switched or the camera is switched off.

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

⚠ If image on the monitor is difficult to see, adjust the monitor brightness (➡P.104).

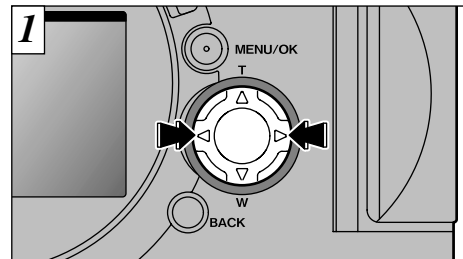◆ **Images That Can be Viewed on the FinePix4900 ZOOM** ◆
You can use this camera to view (excluding some uncompressed data) images recorded on an FinePix4900 ZOOM or images recorded onto a 3.3V SmartMedia using a FUJIFILM FinePix series, MX series and DX series digital camera.

32

FAST FORWARDING IMAGES

1

2

You can fast forward through the frames by holding down "◀" or "▶" 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.

2

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

33

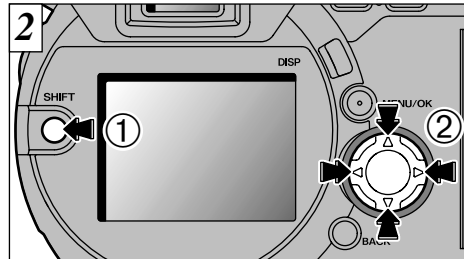# PLAYBACK ZOOM
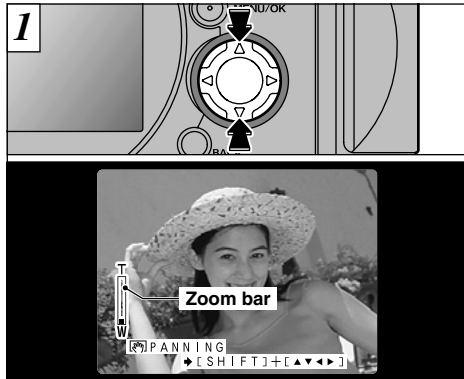
Zoom bar

Pressing "▲" and "▼" button during playback zooms in and out on (enlarges and reduces) the still image respectively. When you use this function, a zoom bar is displayed.

● **Zoom scales :**
  2400 × 1800 pixel images : Max 15 ×
  1600 × 1200 pixel images : Max 10 ×
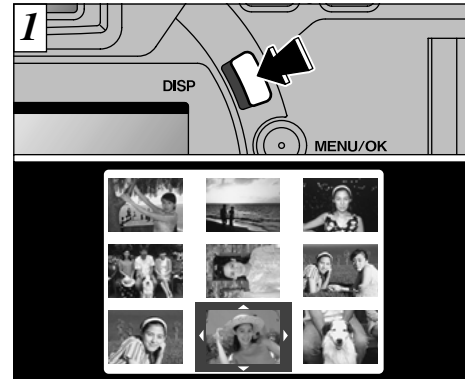 1280 × 960 pixel images : Max 8 ×
   640 × 480 pixel images : Max 4 ×

⚠ Pressing "◄" or "►" during zooming cancels zooming and moves to the next image.

After you have zoomed an image, ① you can move around the image by holding down the "SHIFT" button, ② and pressing "▲", "▼", "◄" and "►" on the 4-direction button.
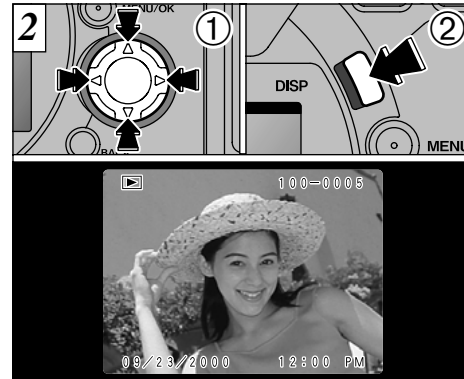
⚠ Press the "BACK" button to return to normal unscaled display.

MULTI-FRAME PLAYBACK

Pressing the "DISP" button twice switches to the multi-frame (9-frame) display.

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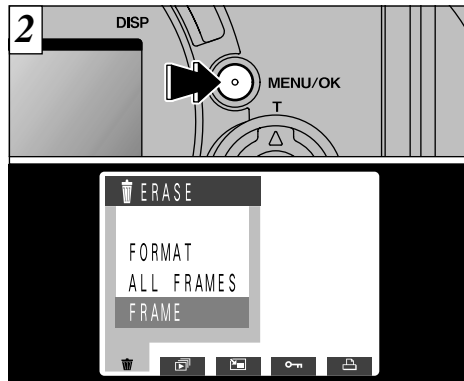⚠ Playback zoom cannot be used with multi-frame playback.

① Use the "▲▼◄►" buttons to move the cursor (the orange outline) to the desired frame. Pressing "▲" or "▼" repeatedly switches to the previous or next display.
② You can enlarge the selected image by pressing the "DISP" button again.

⚠ Multi-frame playback is particularly useful for selecting images for single-frame erase, single-frame protect, Resize, DPOF frame specification or DPOF confirmation and cancellation.
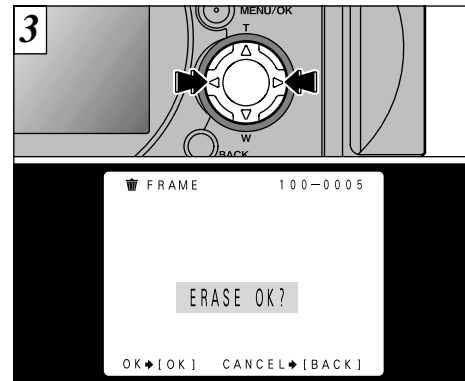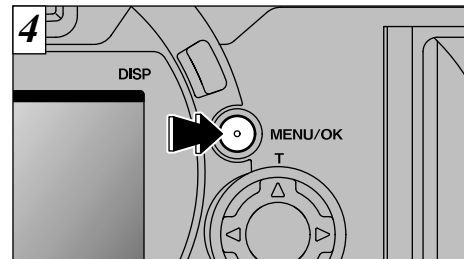
ERASING SINGLE FRAME

1
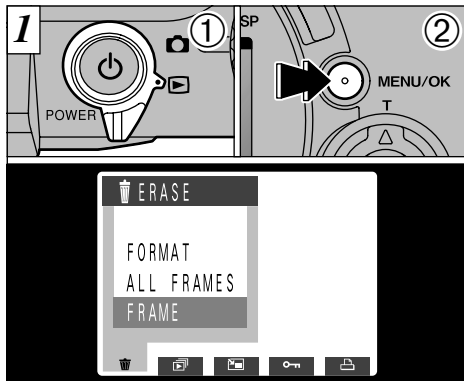
① Set the Mode switch to "▶".
② Press the "MENU/OK" button to display the Menu screen on the monitor.

> 💡 See P.77 for more information on the Erasing all frames and Formating.
> 💡 Multi-frame playback (➡P.35) is an easy way to select images to be protected.

2

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

3

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.

4

Press the "MENU/OK" button to erase the displayed image. When erasing is complete, the next image appears and the " ERASE OK? " message is displayed.

> 💡 If " ⚠ PROTECTED FRAME " is displayed, the image protection must be removed to erase the image (➡P.82).
> 💡 If the " DPOF SPECIFIED. ERASE OK? " 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 erasing images, repeat the procedure from step ③.

2

USING A TV MONITOR
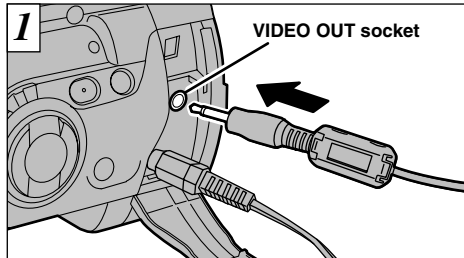
1 **VIDEO OUT socket**

Switch off the camera and the TV. Plug the video cable (provided) into the "VIDEO OUT" socket on the camera.

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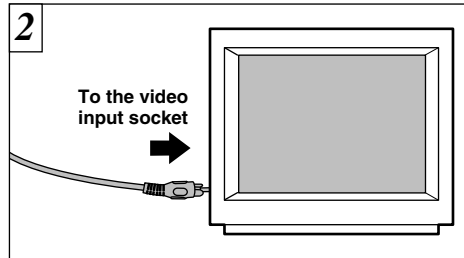
Plug the other end of the cable into the video input socket on the TV. Then switch the camera and TV on and take pictures or play back images as you would normally.

⚠ If there is a power outlet available, connect the AC-5V/AC-5VH AC Power Adapter.

⚠ Refer to the instructions provided with your TV for more information on video input for your TV.

38

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3 Advanced Features Photography
ADVANCED PHOTOGRAPHY

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

■ Photography mode specifications

Photography mode	Accessible menu settings	Factory default	Flash Photography (P.49)	Macro Photography (P.53)	AE lock (P.54)	Exposure Compensation (P.55)	MF (P.56)	Continuous Shooting (P.59)	Self-Timer Photography (P.60)
AUTO Auto (➡P.40)	——	——	A✦, ⊙, ✦, SLOW	○	○	×	○	○	○
SP Scene Position (➡P.40)									
▧ Portrait (➡P.41)			A✦, ⊙, ✦, SLOW						
▲ Landscape (➡P.41)	——	——	⊛	×	○	×	○	○	○
⚡ Sports (➡P.41)			A✦, ✦						
☾ Night Scene (➡P.41)			SLOW, ⊙ SLOW						
P Programed Auto (➡P.42)	Flash Brightness Adjustment White Balance	0 AUTO	⊙, ✦, ✦ SLOW, ⊙ SLOW	○	○	○	○	○	○
S Shutter-priority Auto (➡P.42)	Photometry	MULTI 200	⊙, ✦	○	○	○	○	○	○
A Aperture-priority Auto (➡P.42)	Sensitivity Auto Bracketing Sharpness	OFF NORMAL	⊙, ✦, ✦ SLOW, ⊙ SLOW	○	○	○	○	○	○
M Manual (➡P.44)	External Flash	OFF	⊙, ✦	○	×	×	○	○	○
🎥 Movie (➡P.46)	——	——	×	×	×	×	×	×	×

✱ The flash cannot be used when "◻ᵢ" Continuous Shooting or "▥" Auto Bracketing is selected. 39

1
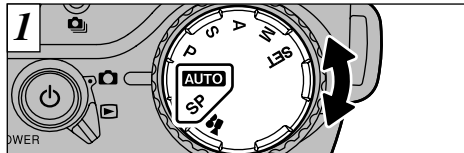
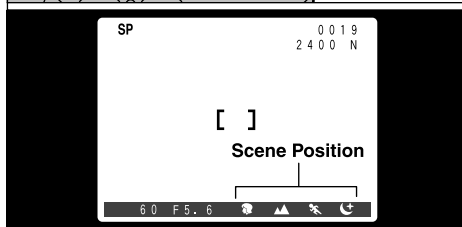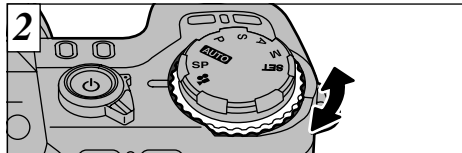Turn the Mode dial to select the setting.

AUTO Auto

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

SP : Scene Position

This mode provides photography settings tailored to particular types of shot.

⚠ Macro photography cannot be used in this mode.

2

```
SP                      0 0 1 9
                        2 4 0 0  N

           [   ]

        Scene Position

  6 0  F 5 . 6    🏃  ▲▲  🏃  🌙
```

In "**SP** Scene Position" mode, you can select 4 types of shot ("🏃", "▲▲", "🏃" and "🌙"). Turn the command dial to select the setting.

🏃 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

▲▲ Landscape

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

● White Balance
  Use this setting for shots taken outdoors in daylight.
● When using the flash
  The Flash mode is automatically set to Suppressed Flash. This setting cannot be changed.

🏃 Sports

Use this mode for moving objects. Sports mode gives priority to faster shutter speeds.

● Shutter
  Takes pictures using fast shutter speeds.
● White Balance
  Use this setting for shots taken outdoors in daylight.
● When using the flash
  Auto Flash or Forced Flash only.

🌙 Night Scene

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.
● White Balance
  Use this setting for shots taken outdoors in daylight (☀).
● When using the flash
  Slow Synchro, Red-Eye Reduction+Slow Synchro only.

3
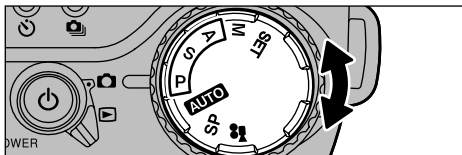
Turn the Mode dial to select a setting.

P : Programed Auto

This is an automatic mode that selects the shutter speed and aperture for you but still allows you to select the other camera settings. Like the Shutter-priority and Aperture-priority modes, this mode is relatively simple to use (Program Shift).

S : Shutter-priority Auto

This is an automatic mode that allows you to set the shutter speed. You can use this mode to take shots that freeze movement (fast shutter speeds) or that give the impression of movement (slow shutter speeds).

A : Aperture-priority Auto

This is an automatic mode that allows you to set the aperture. You can use this mode to take shots with a blurred background (wide aperture) or with both foreground and background in sharp focus (narrow aperture).
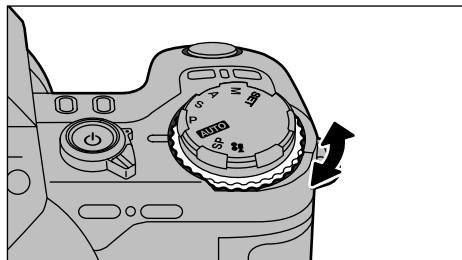
Turning the Command dial gives you access to the following :

P : Program Shift
S : Shutter speed setting
    ISO 125   3 sec. to 1/1000 sec.
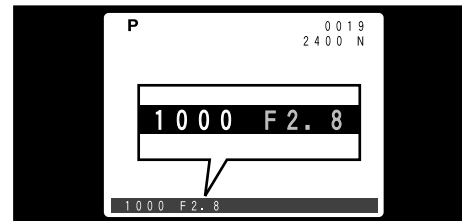   ISO 200   3 sec. to 1/1000 sec.
    ISO 400   1.6 sec. to 1/1000 sec.
    ISO 800   1/1.3 sec. to 1/1000 sec.
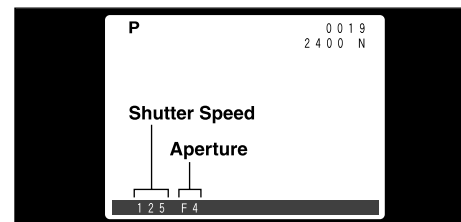**A** : Aperture setting
    F2.8 to F11

⚠ See P.63 – 72 for information on the Photography menu.

If you exceed the control range for the photography mode (as with a scene that is extremely overexposed or underexposed), the shutter speed or aperture is displayed in red on the screen (➡P.13).

⚠ Set the correct exposure compensation for the shooting conditions (➡P.55).

Program Shift

This function allows you to select different shutter speed and aperture setting combinations without changing the exposure setting. In Program Shift mode, the shutter speed and aperture settings are displayed in yellow.
Program Shift is cancelled when you switch modes or switch the camera off.

3
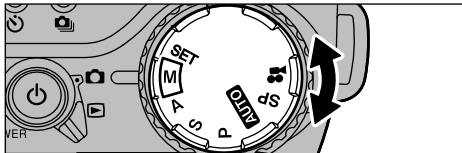
Turn the Mode dial to select the settings.

M : Manual

This mode allows you to set any shutter speed or aperture setting.
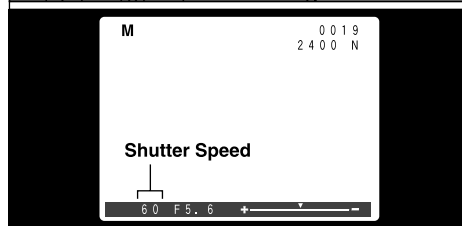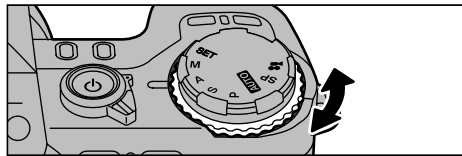
● **Shutter speed setting (1 steps : 1/3 EV)**
  ISO 125   3 sec. to 1/1000 sec.
  ISO 200   3 sec. to 1/1000 sec.
  ISO 400   1.6 sec. to 1/1000 sec.
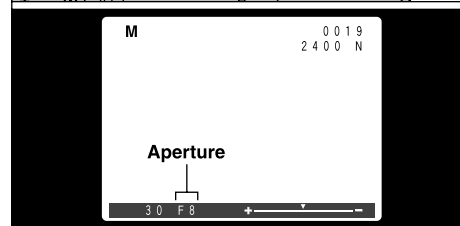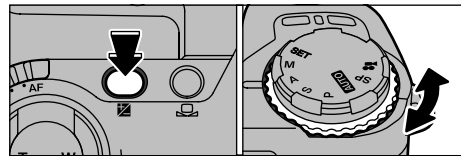 ISO 800   1/1.3 sec. to 1/1000 sec.

● **Aperture setting**
  F2.8 to F11 in 1/3 EV steps

See P.63 – 72 for information on the Photography menu.

See P.112 for more information on EVs.

Shutter Speed Setting

M   0 0 1 9
                     2 4 0 0 N

Shutter Speed

6 0   F 5 . 6   + ━━━▼━━━ ─

Turn the Command dial to select the setting.

Aperture Setting

M   0 0 1 9
                     2 4 0 0 N

Aperture

3 0   F 8   + ━━━▼━━━ ─

Hold down the "🔲" (Exposure Compensation) button and turn the Command dial to select the setting.

M   0 0 1 9
                     2 4 0 0 N

Exposure indicator

3 0   F 8   + ━━━▼━━━ ─
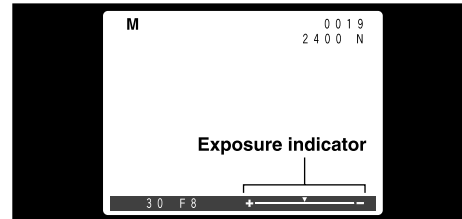
Use the exposure indicator on the monitor as a guide to setting the exposure.
Moving the indicator towards plus gives an overexposed image (plus displayed in yellow), while moving the indicator towards minus (minus displayed in yellow) gives an underexposed image.

3

1

Turn the Mode dial to select the settings.

🎥 Movie

In this mode, you can shoot up to 160 seconds of movie without sound at a time (Motion JPEG format (➡P.112) at 320 × 240 pixels and 10 frames per second).
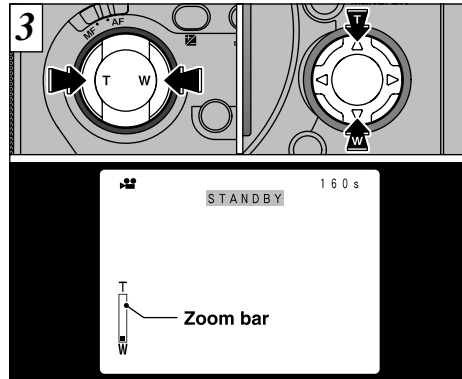
2

160 s
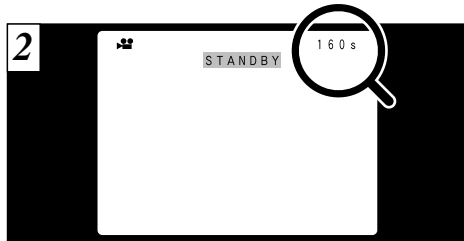
STANDBY

When you select movie, the available recording time is displayed on the monitor.
When "STANDBY" then appears on the monitor, the camera is ready to shoot.

■ **SmartMedia standard shooting time**

SmartMedia capacity	MG-4S (4MB)	MG-8S (8MB)	MG-16S/SW (16MB)	MG-32S/SW (32MB)	MG-64S/SW (64MB)
Available recording time (sec.)	Approx. 22	Approx. 45	Approx. 90	Approx. 182	Approx. 364

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

⚠ Depending on the space available on the SmartMedia, the time that can be recorded in one movie may be shorter than 160 seconds.

3

Zoom bar

In Movie mode, the lens is locked at the wide-angle setting and only the digital zoom can be used. You can use the Zoom button or the 4-direction button "▲▼" to zoom in and out. When you use the zoom, a "Zoom bar" appears on the screen.

● **Digital zoom focal distance**

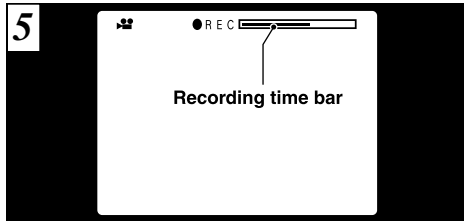Approx. 35 mm to 66 mm (1.4 in. to 2.6 in.) (1.88×)

4

Beep
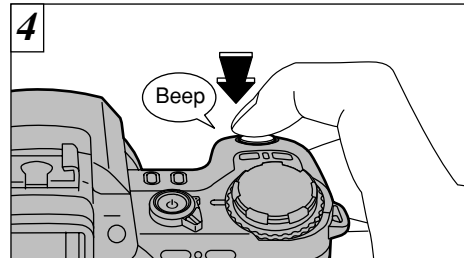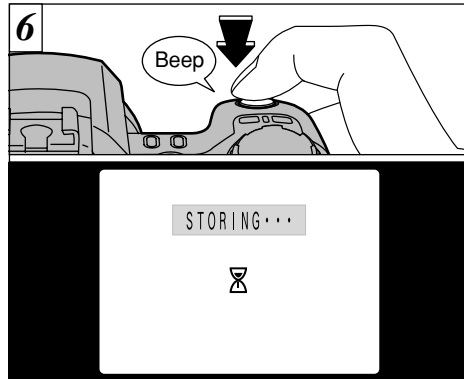
Shooting begins when you press the shutter button down fully.

⚠ 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.

46 47

3

5

●REC

Recording time bar

A "recording time bar" is displayed on the monitor during shooting.

6

Beep

STORING•••

⌛

If you press the shutter button down fully during shooting, shooting stops and the movie is recorded onto the SmartMedia.

⚠ The "recording time bar" is displayed as a guide to the amount of remaining recording time. When the recording time bar reaches the right-hand end, recording automatically ends and the data is recorded onto the SmartMedia.

⚠ It takes about 22 seconds to record an 160 second movie (roughly 24MB) onto a SmartMedia.
⚠ Even if you stop shooting immediately after it has begun, roughly 3 seconds of movie will be recorded.

FLASH PHOTOGRAPHY

1
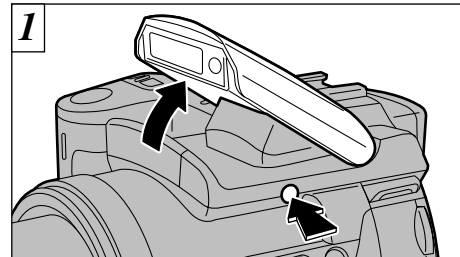
Press the flash pop-up button to set the flash.

● **Effective flash range (for "AUTO")**
Wide-angle : 0.3 m to 4.5 m (0.9 ft. to 14.7 ft.)
Telephoto : 0.9 m to 4.0 m (2.9 ft. to 13.1 ft.)
(Built-in flash guide number : 12 (at ISO 200))

⚠ If the photography mode is "AUTO", 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.

2

A⚡
↓
⊙
↓
⚡

⚡
SLOW

60 F5.6
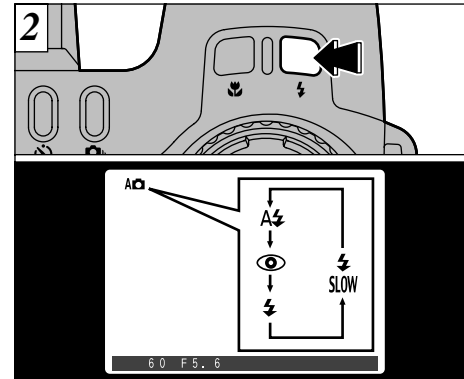
Press the "⚡" button to select the flash setting. Each time you press the "⚡" button, the flash mode changes to the next setting (A⚡ · ⊙ · ⚡ · ⚡SLOW · ⊙SLOW · ⊘).

⚠ The available flash settings are limited depending on the photography mode (➡P.39).
⚠ See P.70 for information on using external flash units.

3

48

49

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.

⚡ 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.

⚡ 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.

◉ Red-Eye Reduction + Slow Synchro

Use this mode for slow synchro shots with red-eye reduction.

⚠ 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 with a main subject in the night, please use the "**SP**" mode "☾" (Night Scene) settings (➡P.41).

3

FLASH PHOTOGRAPHY

⊕ Suppressed Flash

Closing the flash suppresses flash operation.
Use this mode when you are taking pictures in indoor lighting at distances too great for the flash to have any effect, such as theater performances or indoor sporting events. When you use Suppressed Flash, the Auto White Balance function (➡P.112) 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.
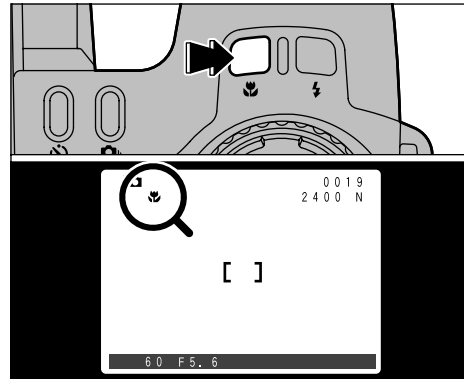*!* See P.26, 120 for information on the camera shake warning.
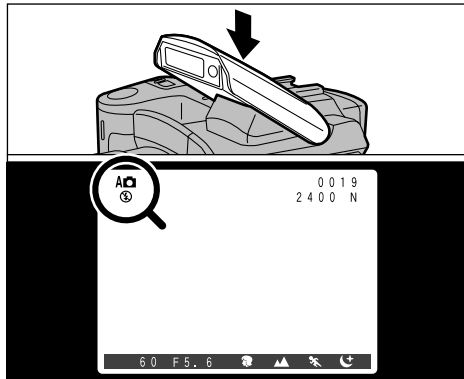
Close the flash to switch to Suppressed Flash mode. In the modes listed below, the flash pops up but the "⊕" icon appears on the monitor and the flash cannot be used.

● Modes in which flash cannot be used
  ▲▲ Landscape (➡P.41)
  ☺ Movie (➡P.46)
  ◘ Continuous shooting (➡P.59)
  ▦ Auto bracketing (➡P.68)

✿ MACRO (CLOSE-UP) PHOTOGRAPHY

This mode can be selected in the "**AUTO · P · S · A** and **M**" photography modes.
Selecting Macro mode allows you to take close-up shots.

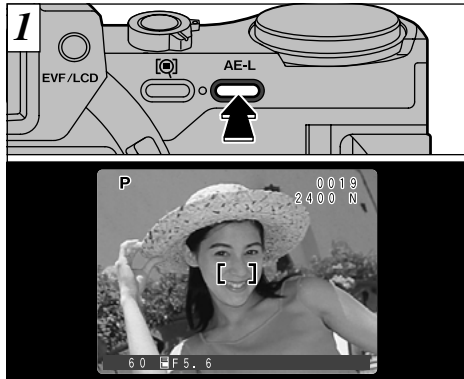● **Effective Photography Range :**
  Approx. 10 cm – 80 cm.

*!* The focal length is equivalent to that of a 35 mm – 80 mm optical zoom on a 35 mm camera. The digital zoom can also be used (➡P.58).
! Select the appropriate Flash mode for the conditions (➡P.49).
  Note that the effective flash range is 30 cm – 80 cm.
! If the flash is too bright, adjust the flash brightness (➡P.64).
! When shooting in dark conditions, use a tripod to prevent era shake.

When you press the "✿" button, the "✿" icon appears on the screen and the camera is in Macro mode. Press the "✿" button again to cancel Macro mode.

! Macro photography is automatically cancelled in the following situations :
  • When the photography mode is switched to "**SP · ☺**".
  • When the camera is switched off.

AE-L : USING AE LOCK

1

EVF/LCD [◉] AE-L

P   0019
           2400 N

[ ]

60 F5.6

2

[◉] AE-L

Beep

P   0019
           2400 N

[◉]

60 F5.6

This mode can be selected in the "**AUTO · SP · P · S** and **A**" photography modes.
Use this function when you want to take pictures with the exposure fixed for a particular subject.
Frame the shot so that the subject occupies most of the center of the screen and then press the "AE-L" button.
"🔒" appears on the screen.
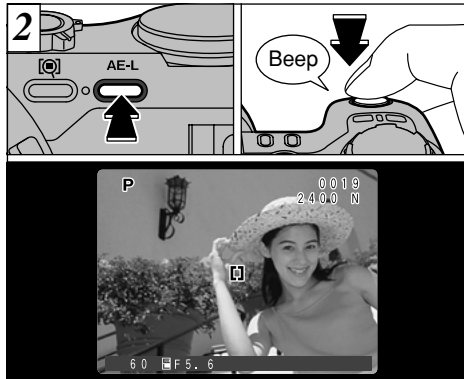
The exposure is locked while the "AE-L" button is held down. Focus and compose the shot again and then take the picture.

🔲 EXPOSURE COMPENSATION

This mode can be selected in the "**P · S** and **A**" photography modes.
Use this function for shots where you cannot obtain the optimum brightness (exposure), such as shots with extremely high contrast between the subject and the background.

❗ 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

◆ **Subjects for Which Exposure Adjustment is Particularly Effective** ◆

Exposure indicator moved towards + (plus)

● Copying of printed text (black characters on white paper) +4 steps (+1.3 EV)
● Backlit portraits +2 to +4 steps (+0.7 to +1.3 EV)
● Very bright scenes (such as snowfields) and highly reflective subjects +3 steps (+1 EV)
● Shots made up predominantly of sky. +3 steps (+1 EV)

Exposure indicator moved towards − (minus)

● Spotlit subjects, particularly against dark backgrounds −2 steps (−0.7 EV)
● Copying of printed text (white characters on black paper) −2 steps (−0.7 EV)
● Scenes with low reflectivity, such as shots of pine trees or dark foliage −2 steps (−0.7 EV)

❗ See P.112 for more information on EVs.

AF

🔲

P   0019
           2400 N

[ ]

60 F5.6 🔲 −∎∎∎∎∎∎∎∎∎∎∎+
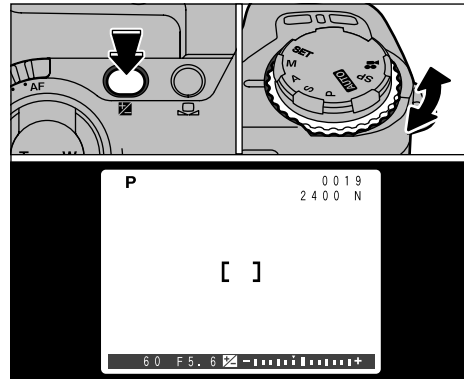
Hold down the "🔲" button and turn the Command dial to select the setting. The "🔲" icon and the exposure compensation indicator are displayed on the screen.

● **Compensation range** : −2 to +2 EV, in 1/3 EV steps
 1 step : 1/3 EV (1 notch : 1/3 EV)

This setting is retained when the mode is switched or the camera is switched off (The "🔲" icon is displayed). Set the exposure compensation to "0" unless compensation is required.
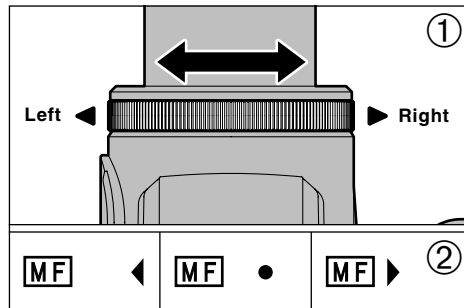
3

54   55

SETTING THE MANUAL FOCUS
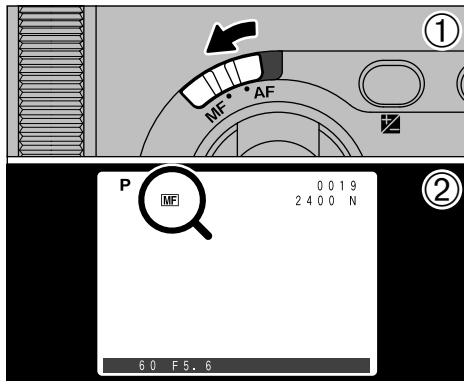
Manual focus can be used in all photography modes except "🎥".

Use manual focus for subjects that are not suitable for Auto Focus or where you want the focus fixed for a shot.

① Slide the focus mode selector switch to "MF".

② The "MF" icon appears on the screen.

① Turn the focusing ring to focus the shot.

② A focusing indicator mark appears on the screen. Adjust the focus until "●" appears.

■ Focusing Indicator Marks

The focusing mark appears when you move the focus a set amount (close to the focused position). Use the mark as a guide to focusing.

●	The shot is focused.
▶	The camera is focused too close. Turn the focusing ring to the right.
◀	The camera is focused too far away. Turn the focusing ring to the left.

56
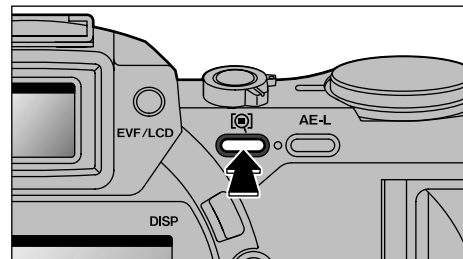
🔍 Focus Check Button

Use this function when you have difficulty confirming that the shot is in focus in Manual Focus mode.

Press the "🔍" (Focus check) button.

The center of the screen is displayed enlarged while the "🔍" button is pressed. You can focus the shot while the image is enlarged.

3

⚠️ The image is not displayed enlarged when the file size setting is "640 × 480" and the digital zoom is fully zoomed in (telephoto).

◆ To Use Manual Focusing Successfully ◆

● Use a tripod to avoid the image becoming unfocused when the camera moves.

● To focus quickly, use AF mode to focus on an object roughly the same distance away and then switch to manual focusing.

57

DIGITAL ZOOM

1
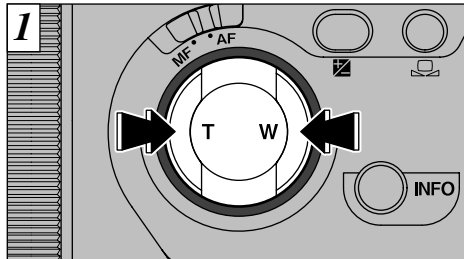
You can use the digital zoom function for all Resolution (File Size) settings other than "2400 × 1800".

● To use the digital zoom
Use the optical zoom to zoom in fully (telephoto) and then press the "T" button again.
● To revert to optical zoom
Use the digital zoom to zoom out fully (wide-angle) and then press the "W" button again.

⚠ You cannot use the digital zoom for resolutions of 2400 × 1800.
⚠ The optical zoom is equivalent to approximately 35 mm – 210 mm on a 35 mm camera.
⚠ See P.99 for information on changing the file size setting.

2

Zoom bar display

| 1600 × 1200 | 1280 × 960 | 640 × 480 | Movie |
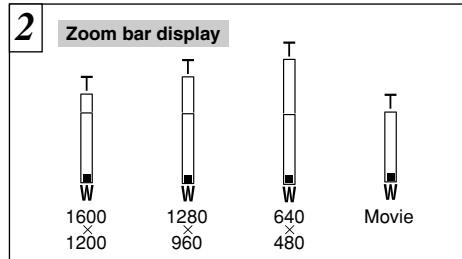
A "zoom bar" appears on the screen. If the image on the screen is difficult to make out, press the shutter button down halfway.

● **Digital zoom focal lengths**
1600 × 1200 : Equivalent to approx. 210 mm–315 mm (1.5×)
1280 × 960 : Equivalent to approx. 210 mm–393 mm (1.875×)
640 × 480 : Equivalent to approx. 210 mm–787 mm (3.75×)
Movie : Equivalent to approx. 35 mm– 66 mm (1.875×)

⚠ When you switch to digital zoom, the video image on the LCD monitor no longer changes smoothly.

58

CONTINUOUS SHOOTING
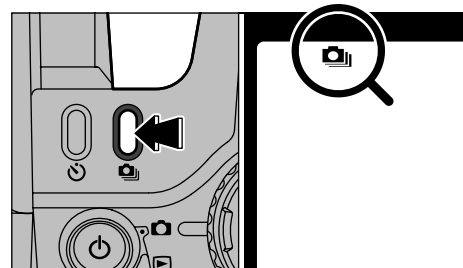
Continuous shooting can be specified in all photography modes except " ".
Selecting continuous shooting allows you to shoot up to 5 frames continuously at intervals as short as 0.2 seconds.
When you press the " " button, the " " icon is displayed and continuous shooting is selected. Press the " " button again to cancel continuous shooting.

⚠ 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 (➡P.68) is disabled when Continuous Shooting is selected.
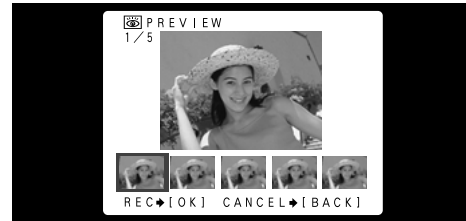
If Preview display is set to ON (➡P.100), the preview screen appears when you take a picture. The images are displayed in chronological order from the left side of the screen. To record the images, press the "MENU/OK" button. To continue without recording the images, press the "BACK" button.

3

⚠ The focus and exposure are determined for the first frame and cannot be changed during shooting.

59

○ SELF-TIMER PHOTOGRAPHY

1

P ○2
└ **2 SEC.**

P ○
└ **10 SEC.**
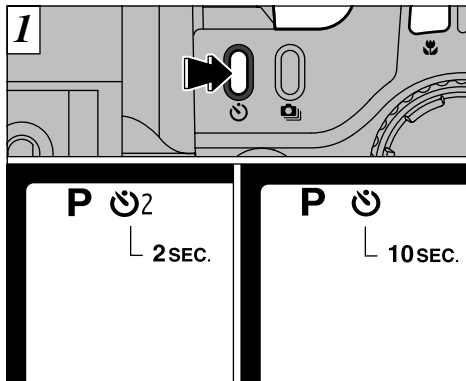
Manual focus can be used in all photography modes except "🎥".
Each time you press the "○" button, the setting moves one step in the sequence "2 SEC." ➡ "10 SEC." ➡ "OFF".
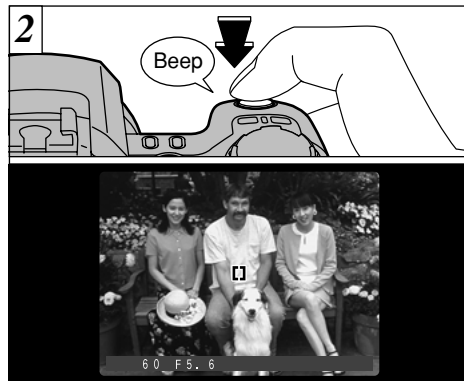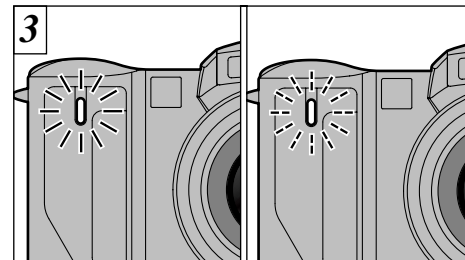
2

Beep

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.28).
⚠ 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.

3

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

4

SELF−TIMER

5

A countdown is displayed on the screen indicating the time remaining until the picture is taken.
Self-timer mode is automatically cancelled after each shot.

3

■ Self-timer Lamp Display

○2	Lit for 2 seconds
○	Lit for 5 seconds ➡ Flashing for 5 seconds.

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

PHOTOGRAPHY INFORMATION

PHOTOGRAPHY MENU OPERATION

Flash brightness adjustment

White balance

Photometry

ISO sensitivity

Bracketing

Sharpness

```
P                    [ 0 0 1 9 ]
                      2 4 0 0  N
5±: 0
WB : AUTO
[•] : MULTI
ISO : 2 0 0
    : OFF
S : NORMAL

60  F5. 6  ± -॥॥॥i॥॥॥॥+
```

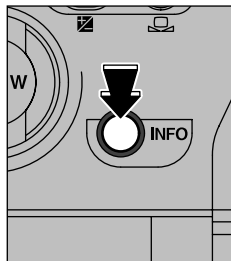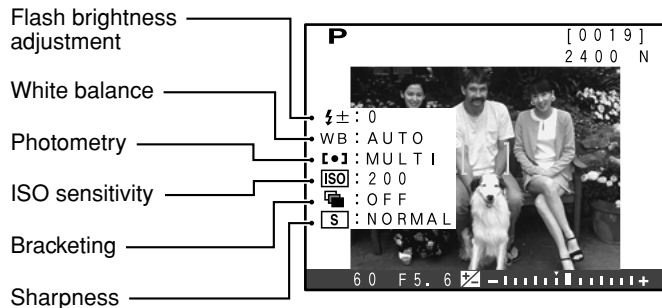If you cannot recall the current photography settings, you can check them by holding down the "INFO" button.
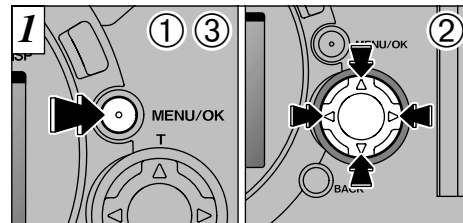
① Press the "MENU/OK" button to display the menu.
② Use "◄" and "►" to select the menu item and "▲" and "▼" to change the setting.
③ Press the "MENU/OK" button to confirm the setting.

```
5± FLASH
+0. 6
+0. 3
0
▼ –0. 3
        AUTO  MULTI  2 0 0
        WB    [O]    ISO
```

To move to another menu page, press "◄" or "►" button for the arrows in the menu ("←" or "→").
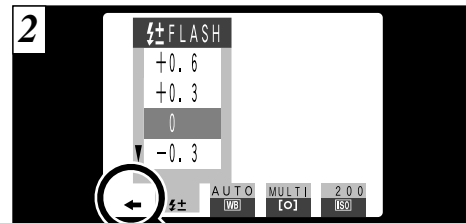
🔔 The photography information is not displayed in "AUTO", "**SP**" or "🎥" mode.

🔔 You can only use this function to check the settings, not to change them.

🔔 You cannot access the menu settings in "AUTO", "**SP**" or "🎥" mode.
See P.39 for details.

3

```
⚡±FLASH
+0.6
+0.3
 0
-0.3
        AUTO   MULTI    200
←   ⚡±   WB    [O]     ISO
```
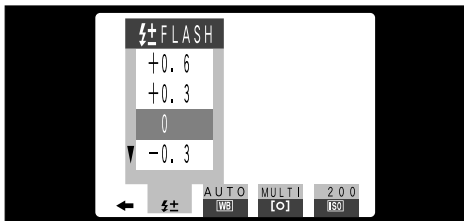
This mode can be selected in the "**P · S · A · M**" photography modes.

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.

● The range for exposure compensation is ±2 levels (−0.6 to +0.6 EV in 0.3 EV increments). Exposure compensation only functions with the built-in flash. See P.112 for more information on EVs.


```
WB WHITE BALANCE
    📷
    ☀
    🖳
    AUTO
        0    MULTI    200
←   ⚡   WB    [O]     ISO
```
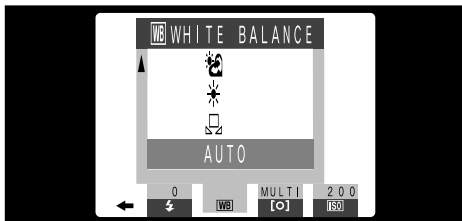
This mode can be selected in the "**P · S · A · M**" photography modes.

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.112 for more information on the white balance.

AUTO : Automatic adjustment
       (Shooting to show the ambience of the light source)
🖳 : Custom white balance
☀ : Shooting outdoors in fine weather
📷 : Shooting in shade
▭₁ : Shooting under "Daylight" fluorescent lamps
▭₂ : Shooting under "Warm White" fluorescent lamps
▭₃ : Shooting under "Cool White" fluorescent lamps
💡 : Shooting in incandescent light

✽ The white balance setting is ignored when the flash is used. To achieve the desired effect in your shot, press the flash back down to suppress flash operation (➡P.52).

◆ **Custom White Balance** ◆
Use this function when you want to match the white balance accurately for a particular light source. You can also use this function to achieve special effects.

Custom White Balance Setting


```
1    WB WHITE BALANCE
         📷
         ☀
         🖳
         AUTO
             0    MULTI    200
     ←   ⚡   WB    [O]     ISO

DISP
              MENU/OK
              T
```
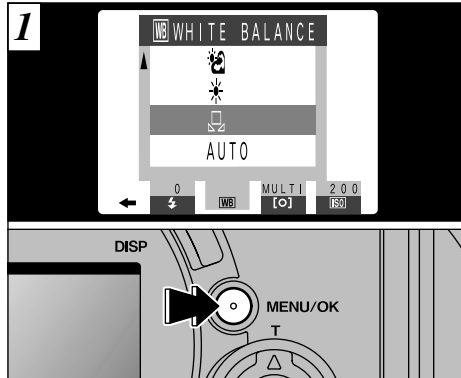
Select "🖳" Custom White Balance and press the "MENU/OK" button.

3

2

```
⊡CUSTOM WB

        []

    CHANGE WB➧[⊡]
  NOT CHANGE➧[OK]
     CANCEL➧[BACK]
```

3

```
        OVER


        UNDER
```
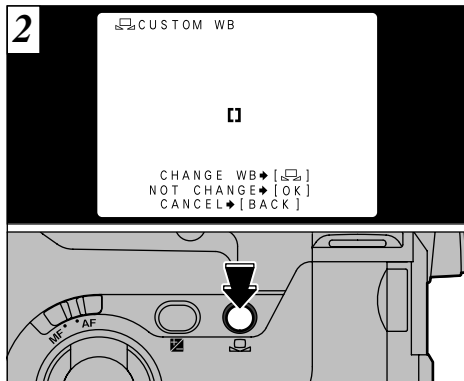
Using the light source for which you want to set the white balance, hold a sheet of white paper so that it fills the entire screen.
When you press the "⊡" button, a measurement is taken and the white balance is set.

❗ The white balance setting does not affect the image shown on the screen.
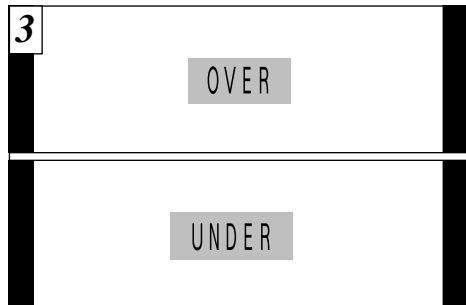
To use the white balance set previously, press the "MENU/OK" button without pressing the "⊡" button.

If "OVER" or "UNDER" is displayed, the white balance was not measured at the correct exposure. Reset the white balance.

❗ After you take the picture, you should check the "Color (White Balance)" setting for the image.
• Set preview display to ON in the SET-UP menu (➡P.100).
• Set the Mode switch to Playback (➡P.32).

◆ **Example** ◆

You can deliberately change the white balance for a photographed image by using colored paper instead of white paper.

66

```
        [O]PHOTOMETRY

        AVERAGE
         SPOT
         MULTI

    0   AUTO      200
    ⚡  WB   [O]   ISO
```
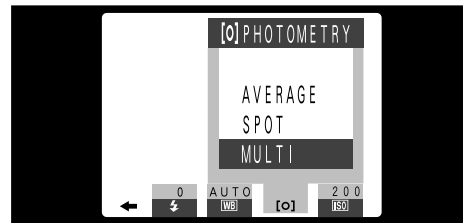
This mode can be selected in the "**P · S · A · M**" photography modes.
Use this mode for scenes where the brightness of the subject and background differ markedly so that the Multi setting is unlikely to achieve the desired result.

● AVERAGE : Light metering where an average value for the entire image is used.
● SPOT : Light metering where the exposure is optimized for the center of the image.
● MULTI : Light metering where the camera automatically assesses the scene and selects the optimum exposure.

❗ The camera is fixed in Multi mode when "**AUTO**", "**SP**", or "**🎥**" is selected.

◆ **The light metering modes are effective for the following subjects** ◆

● **AVERAGE**
The advantage of this mode is that the exposure tends not to change for different compositions or subjects. This mode is particularly effective for shots of people wearing black or white clothing and shots of scenery.

● **SPOT**
This mode is useful for subjects with strongly contrasting light and dark areas where you want to achieve the correct exposure for a particular feature.

● **MULTI**
In this mode, the camera uses automatic scene recognition to analyze the subject and provide optimum exposure in a wide range of shooting conditions. This mode should be used for everyday photography.

3

67

ISO SENSITIVITY
800
400
200
125

0   AUTO   MULTI
WB   [O]   ISO
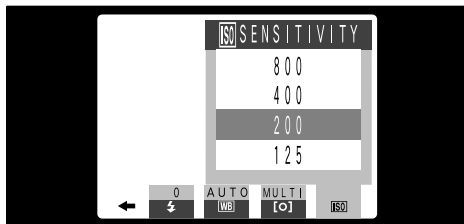
This mode can be selected in the "**P · S · A · M**" photography modes.
Use this setting when you want to take bright pictures indoors without using a flash or when you want to use a fast shutter speed. (to prevent camera shake, etc.)

● **Settings :**
125, 200, 400, 800

AUTO BRACKETING
±1EV
±2/3EV
±1/3EV
OFF

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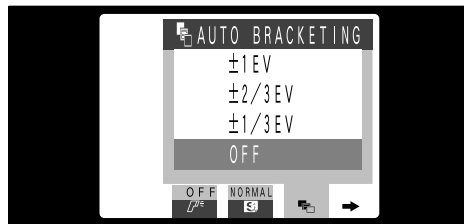
This mode can be selected in the "**P · S · A · M**" photography modes.
Use this feature to photograph the same image with different exposure settings. Auto bracketing automatically shoots 3 consecutive frames, one of which is correctly exposed while the remaining two are underexposed and overexposed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

● The three available settings are ±1/3, ±2/3 and ±1 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.

Auto bracketing is disabled when continuous shooting is selected (➡P.59).

PREVIEW
+1/3

Ⓐ   Ⓑ   Ⓒ

REC➡[OK]   CANCEL➡[BACK]
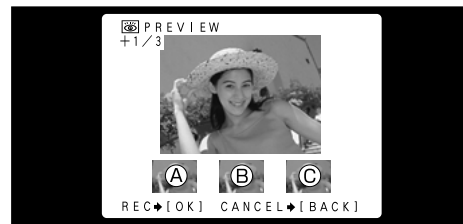
When Preview display is set to "ON" (➡P.100), a Ⓐ is correctly exposed, Ⓑ is overexposed and Ⓒ is underexposed. To record the images, press the "MENU/OK" button. To proceed without recording the images, press the "BACK" button.

⚠ The "STORING" message appears on the LCD monitor while the images are being recorded onto the SmartMedia.
⚠ It takes about 11 seconds to record the image data (NORMAL : 2400 × 1800 pixels).

S SHARPNESS
HARD
NORMAL
SOFT

OFF   **S**   OFF
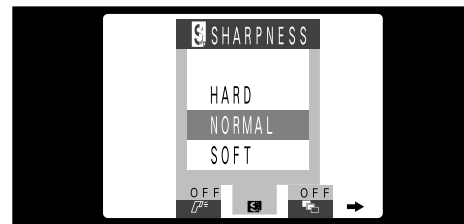
This mode can be selected in the "**P · S · A · M**" photography modes.
Use this setting to soften or emphasize outlines or to adjust the image quality.

● **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.

3

1

$\mathcal{P}^{\equiv}$EXTERNAL FLASH

ON

OFF

NORMAL   OFF   →
$\mathcal{P}^{\equiv}$
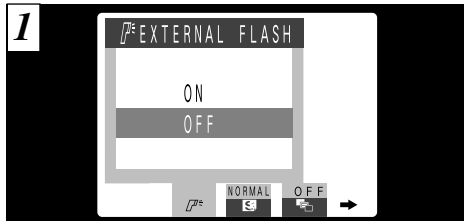
This mode can be selected in the "**P · S · A · M**" photography modes.
Set this setting to "ON" when you are using an external flash.
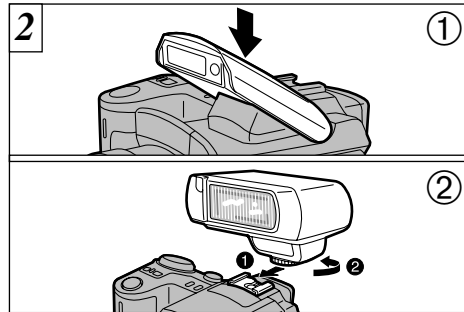
● **Synchronization speed :**
Up to 1/1000 sec.

⚠ Set the white balance (➡P.64) to AUTO or Custom White Balance (➡P.72).
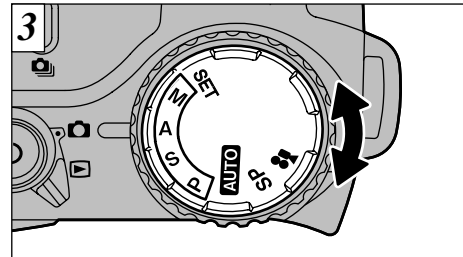
◆ **Compatible Flash Units** ◆

Flash units that can be used with this camera must meet the following 3 conditions :
● The aperture can be set.
● External flash synchronization can be used.
70 ● The ISO sensitivity can be set.

2

① Close the built-in flash.
② Mount the external flash on the camera's hot shoe.

⚠ Built-in and external flash units cannot be used at the same time.

3

Select "**P · S · A**" (➡P.42) or "**M**" (➡P.44). However, the use of "**A**" or "**M**" mode is recommended.

⚠ Flash photography cannot be used when continuous shooting (➡P.59) or auto bracketing (➡P.68) is selected.

When you are using an external flash, always specify a fixed aperture setting.

4

F5.6

AUTO   ISO 200 35 mm

MODE   **SELECT**
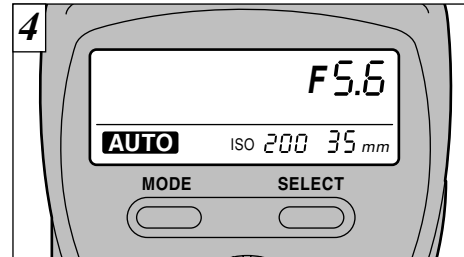
External Flash Settings

For external flash, refer to the user's manual for the flash and specify the settings as described below.

● Match the settings to the camera aperture setting.
In "**P**" or "**S**" mode, match the settings to the aperture measured by the camera.
● Match the ISO sensitivity setting (➡P.68) to the setting on the camera.
● Select External Flash mode (TTL mode cannot be used).

3

71

When the White Balance is Incorrect

1

WB WHITE BALANCE

🦅
☀
🖳
AUTO

0   MULTI   200
⚡ WB   [O]   ISO

DISP
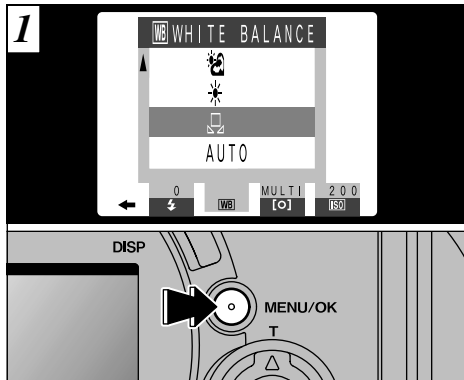
MENU/OK

Match the white balance to the external flash settings.
In "WB" in the Photography menu (➡P.64), select "🖳" Custom White Balance.
Press the "MENU/OK" button.

2

MF · AF

🖳

INFO

T   W
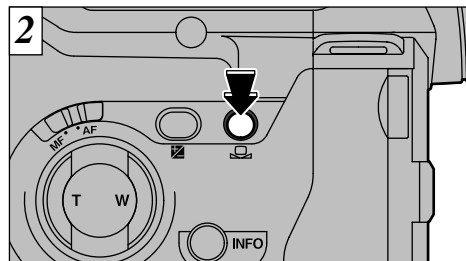
Hold a sheet of white paper so that it fills the entire screen. Then press the "🖳" button to fire the flash and set the white balance.

💬 After you take the picture, you should check the "Color (White Balance)" setting for the image.
• In SET-UP, set Preview (➡P.100) to ON.
• Set the Mode switch to Playback (➡P.32).

The Advanced Playback section introduces a range of playback functions that you can access by setting the Mode switch to "▶".

■ Playback mode menu

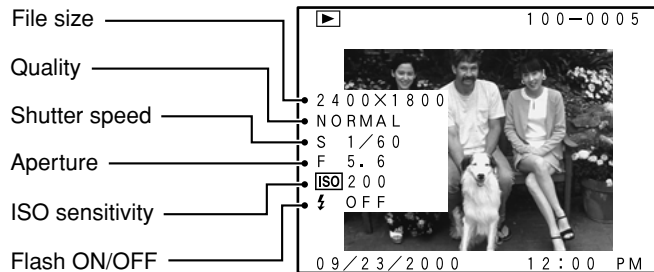| Playback image	Menu options that can be set
▶ STILL IMAGES (➡P.32)	🗑 ERASING (SINGLE/ALL FRAMES/FORMATTING) (➡P.36, 77) 🗗 PLAYBACK (AUTOMATIC PLAYBACK) (➡P.79) 🖼 RESIZE (➡P.80) 🔒 PROTECTION (➡P.82) 🖨 DPOF (Digital Print Order Format) (➡P.86)
🎥 MOVIE (➡P.75)	🗑 ERASING (SINGLE/ALL FRAMES/FORMATTING) (➡P.36, 77) 🗗 PLAYBACK (AUTOMATIC PLAYBACK) (➡P.79) 🎞 INDEX (➡P.95) 🔒 PROTECTION (➡P.82)

DC IN 5V Socket
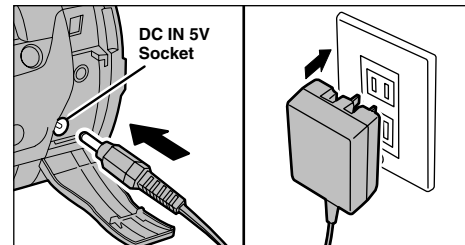
If you are close to a power outlet, you should use the AC Power Adapter AC-5V/AC-5VH (sold separately) to avoid any loss of power during still image or movie playback (➡P.16).

4

PLAYBACK INFORMATION
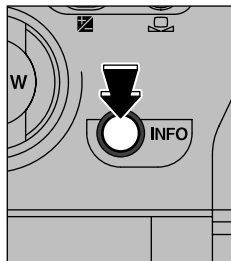
This function allows you to check the photography information. Hold down the "INFO" button to check the information.
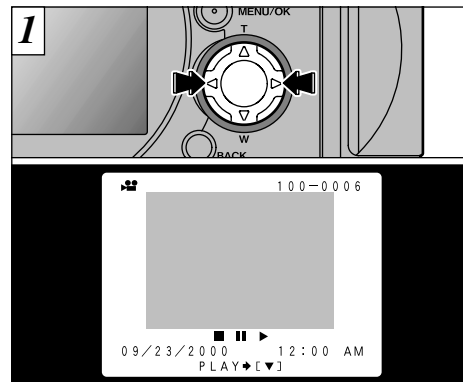
File size ———————————— 2 4 0 0 × 1 8 0 0
Quality ———————————— N O R M A L
Shutter speed ——————— S 1 ／ 6 0
Aperture —————————— F 5 . 6
ISO sensitivity ————— ISO 2 0 0
Flash ON/OFF ———————— 4 O F F

▶   1 0 0 - 0 0 0 5

0 9 / 2 3 / 2 0 0 0   1 2 : 0 0 PM

⏺ This function cannot be used during multi-frame playback (➡P.35).

MOVIE PLAYBACK

1

🎬   1 0 0 - 0 0 0 6

0 9 / 2 3 / 2 0 0 0   1 2 : 0 0 AM
P L A Y ➔ [▼]

Use "◀" and "▶" button to select the movie file.

2

🎬   1 0 0 - 0 0 0 6

■ II ▶   1 5 s
PAUSE ➔ [▼]   STOP ➔ [▲]

To play the movie, press "▼" button. When playback begins, a playback progress bar and time are displayed.

⏺ When you play a movie file, the screen goes dark temporarily while the camera reads in the image data.
⏺ Playback automatically stops when the end of the file is reached and the initial screen reappears.
⏺ When you photograph extremely bright subjects, white stripes may appear during playback. This is normal and does not indicate a fault.

Movie images are displayed slightly smaller than multi-shot images and fast-forward frames.

4

MOVIE PLAYBACK

3
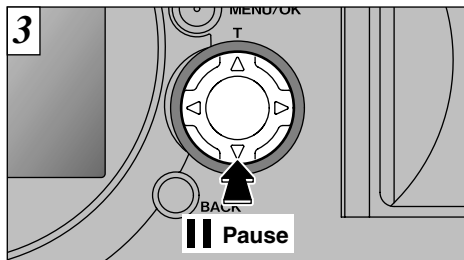
Pause

Press "▼" to pause movie playback. Press "▼" again to resume playback.

4
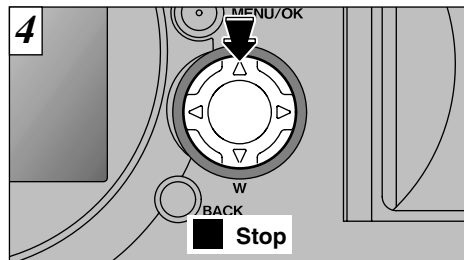
Stop

To stop playback altogether, press "▲".

◆ **Image data that can be played back** ◆

The FinePix4900 ZOOM can play back video data recorded on an FinePix4900 ZOOM or image data recorded on a 3.3 volt SmartMedia using a FUJIFILM digital camera. However, the FinePix4900 ZOOM cannot play back audio data.

PLAYBACK MENU 🗑 ERASING SINGLE•ALL FRAMES/FORMATTING

FRAME

Erases only the selected still image or movie.

⚠ This does not erase protected still images or movies (➡P.82, 84).
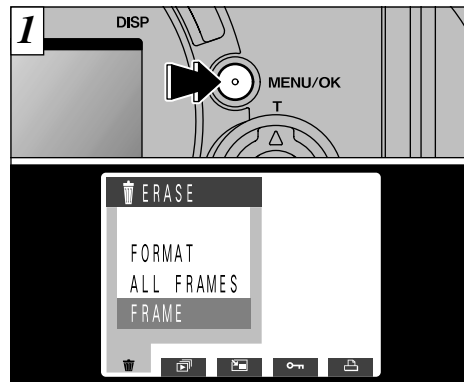
ALL FRAMES

Erases all files other than protected still images or movies.

FORMAT

Erases all the data and reformats (initializes) the SmartMedia for use with this camera.

⚠ Formatting also erases protected still images and movies.

1

🗑 ERASE

FORMAT
ALL FRAMES
FRAME

If you press the "MENU/OK" button, the menu screen will appear on the LCD monitor.

4

⚠ If the "CARD ERROR" or "CARD NOT INITIALIZED" message appears, wipe the contact surfaces on the SmartMedia (the gold-colored area) with a soft, dry cloth and then re-insert it into the camera. If this does not resolve the problem, format the card.
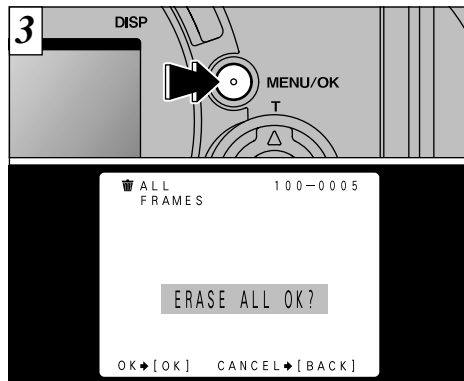
⚠ Press the "BACK" button to exit the menu.

2 ① SP ③
MENU/OK

② 🗑 ERASE

FORMAT
ALL FRAMES
FRAME
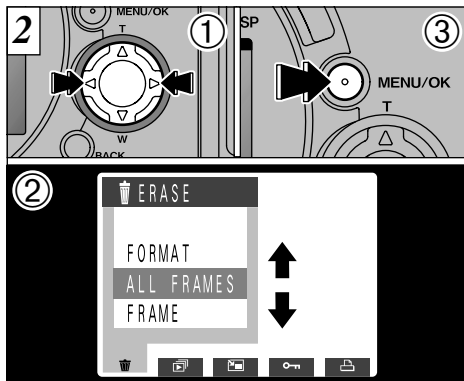
① Press "◀" or "▶" to select "🗑 ERASE".
② Use the "▲" and "▼" buttons to select "FRAME", "ALL FRAMES" or "FORMAT".
③ Press the "MENU/OK" button.

Formatting erases all the data.

3 DISP MENU/OK

🗑 ALL   100−0005
FRAMES

ERASE ALL OK?

OK ➡ [OK]   CANCEL ➡ [BACK]

A confirmation screen appears.
If you are erasing all the frames, or formatting the card, press the "MENU/OK" button to proceed.
If you are erasing one frame, use the "◀" and "▶" buttons to select the frame and then press the "MENU/OK" button.

❗ To cancel "🗑 ERASE", press the "BACK" button.
❗ If the " DPOF SPECIFIED. ERASE ALL OK? " message is displayed, DPOF is specified. When you press the "MENU/OK" button, the image is erased.

78

1 DISP MENU/OK

🗑 ERASE

FORMAT
ALL FRAMES
FRAME
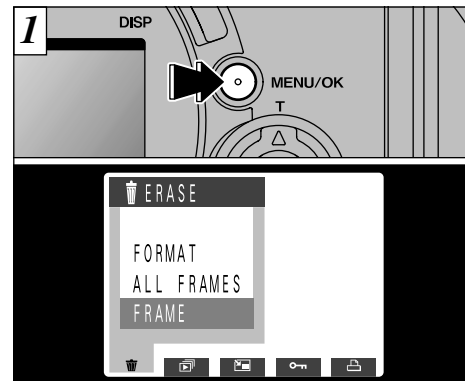
Press the "MENU/OK" button to display the menu on the monitor.

❗ The Auto Power Off function does not operate during playback.
❗ Movie playback begins automatically. When playback ends, the next frame appears.

◆ **Display Method** ◆
WIPE1 🖼 ⋯ Oblique   WIPE2 🔲 ⋯ Swirl
WIPE3 ▨ ⋯ Mosaic   NO WIPE

2 ① SP ③
MENU/OK

② 🗗 PLAY BACK
WIPE−3 ▨
WIPE−2 🔲
WIPE−1 🖼
NO WIPE
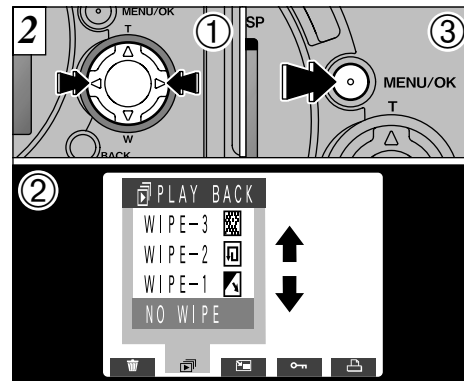
① Press "◀" or "▶" to select "🗗 PLAYBACK".
② Use the "▲" and "▼" buttons to select one of the 3 display methods (wipes).
③ Press the "MENU/OK" button. The image frames are automatically advanced and played back.

❗ If you press the "DISP" button once during playback, "🗗" and the playback frame number are displayed on the monitor.
❗ To interrupt "🗗 PLAYBACK", press the "BACK" button.

4

79

RESIZE

When you resize an image, a new file is created containing a smaller amount of data.
Only still images with a file size setting of "2400 × 1800", "1600 × 1200" or "1280 × 960" can be resized.
For other types of image, the "Resize" menu option is not displayed.

1

🗑 ERASE

FORMAT
ALL FRAMES
FRAME

① Press "◀" or "▶" to select the image to be resized.
② Press the "MENU/OK" button to display the menu on the monitor.

◆ **Why Resize?** ◆

Resizing is extremely convenient when you want to attach an image file to an E-mail message.

After resizing, the quality is NORMAL for all the images.

2

🖼 RESIZE

2400→1280
1600→1280
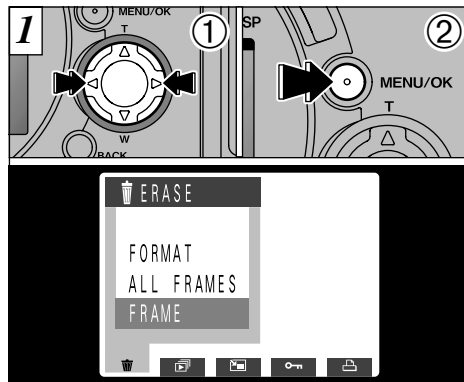1280→640
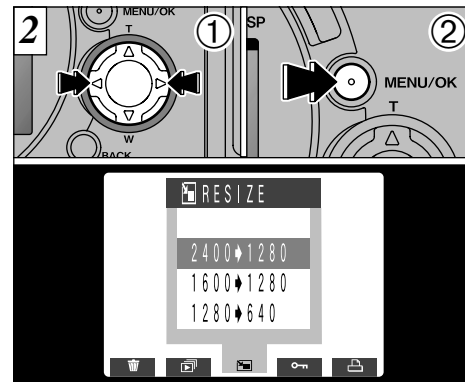
① Press "◀" or "▶" to select "🖼 RESIZE".
② Press the "MENU/OK" button.

3

🖼 1280   100-0005

RESIZE OK?

OK→[OK]   NO→[BACK]

A confirmation screen appears. To proceed, press the "MENU/OK" button. The resized image is recorded as a separate file.

4

⚠ Movie files cannot be resized.

⚠ Resizing will not proceed if the "⚠CARD FULL" or "⚠PROTECTED CARD" message is displayed. If this occurs, erase some unwanted images or use a SmartMedia that is not protected.

⚠ If you do not want to resize the image, press the "BACK" button to return to the menu. To exit the menu screen, press the "BACK" button again.

1

Press the "MENU/OK" button to display the menu on the monitor.

⚠️ Multi-frame playback is an easy way to select images to be protected (➡P.35).

Protection :
A setting that prevents images from being inadvertently erased (➡P.77).

2
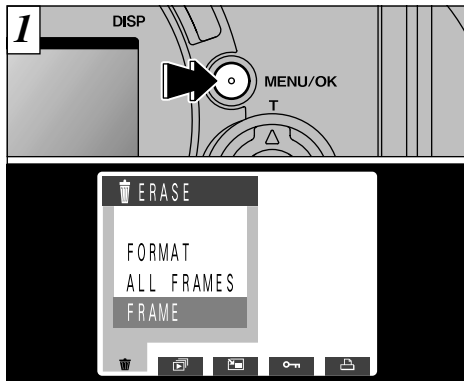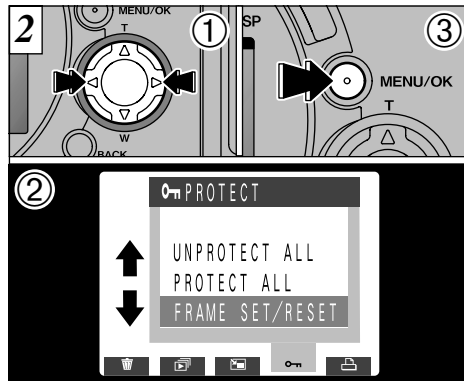
① Use "◀" or "▶" to select "🔒 PROTECT".
② Press "▲" or "▼" to select "FRAME SET/ RESET".
③ Press "MENU/OK".

3

Use "◀" or "▶" to select the image to be protected.

⚠️ Movie are protected one photographed item (file) at a time.
⚠️ If you do not want to protect any images, press the "BACK" button to return to the menu. To exit the menu screen, press the "BACK" button again.

4
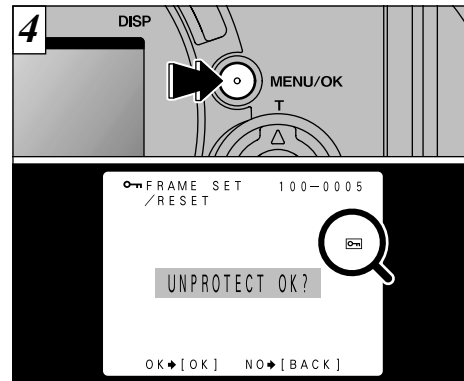
When the "MENU/OK" button is pressed, the image is protected and the "🔒" icon appears on the right of the screen. To remove the protection, press the "MENU/OK" button again.

To protect another image, repeat the procedure from step **3**.
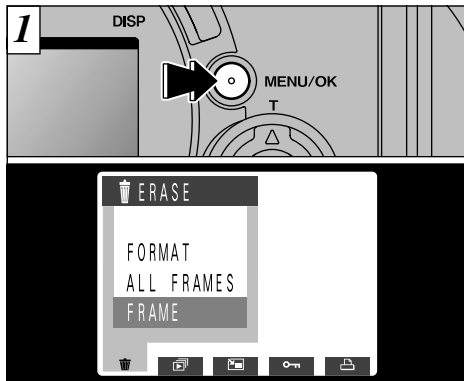
82

83

4

1

DISP

MENU/OK

T

🗑 ERASE

FORMAT
ALL FRAMES
FRAME

🗑   🗐   🖼   ⊶   🕮

Press the "MENU/OK" button to display the menu on the monitor.

2

MENU/OK
T   SP   ③

W

BACK

② ⊶ PROTECT

⬆

⬇

UNPROTECT ALL
PROTECT ALL
FRAME SET/RESET

🗑   🗐   🖼   ⊶   🕮
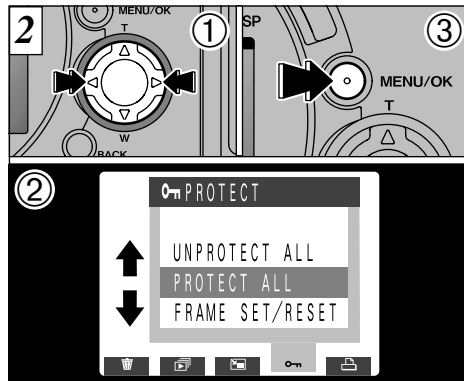
① Use "◀" or "▶" to select "⊶ PROTECT".
② Press "▲" or "▼" to select "PROTECT ALL" or "UNPROTECT ALL".
③ Press "MENU/OK".

3

DISP

MENU/OK

T

⊶ PROTECT   100-0005
ALL

PROTECT ALL OK?

OK➡[OK]   NO➡[BACK]
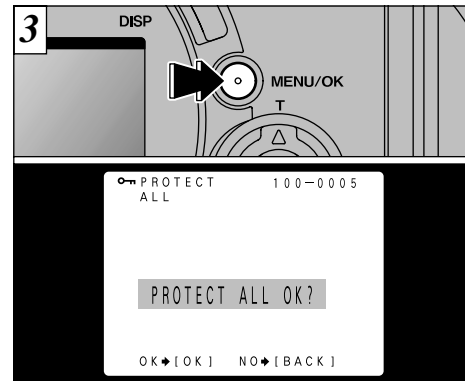
A confirmation screen will appear to proceed, press the "MENU/OK" button.

4

Formatting erases all images, including protected images (➡P.77).
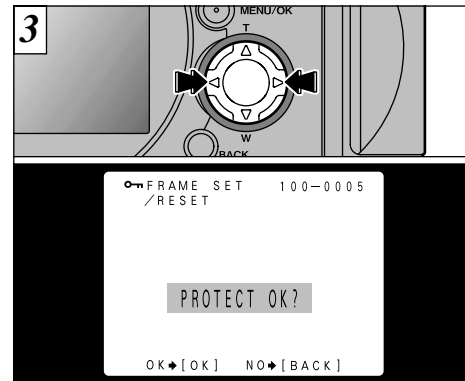
⚠ If you do not want to protect any images, press the "BACK" button to return to the menu. To exit the menu screen, press the "BACK" button again.

™
DPOF

With the FinePix4900 ZOOM, you can order prints using the Digital Print Order Format (DPOF).
You can use the DPOF to specify the following :
● The frames to be printed and the number of prints for each frame
● Imprinting of the date and time

This section gives a detailed description of how to order your prints with the FinePix4900 ZOOM.

✽ Note that some printers do not support date and time imprinting or specification of the number of prints.
✽ Note that the warnings shown below may be displayed while you are specifying the prints.

`DPOF SPECIFIED. ERASE OK?` (➡P.121)

When you erase the image, the DPOF setting for that image are deleted at the same time.

`!RESET UNMATCHED DPOF OK?` (➡P.121)

If you load a SmartMedia that contains frames specified for printing on another camera, those print specifications are all reset and replaced by the new print specifications.

`!DPOF FILE ERROR` (➡P.121)

No more than 999 frames can be specified on the same SmartMedia.
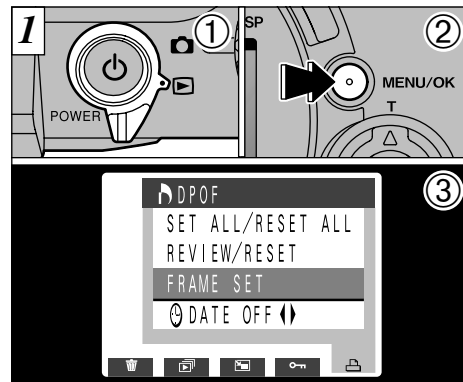
This function allows you to select whether or not the date of shooting is included on the print.
① Set the Mode switch to "▶".
② Press the "MENU/OK" button to display the menu on the monitor.
③ Press "▶" to select "⊡ DPOF".

① Use "▼" to select "🕐 DATE".
② Press "◀▶" to specify "DATE ON" or "DATE OFF". This setting is then valid for all the prints until the setting is changed.

4

⚠ DPOF settings cannot be specified for movie.

⚠ Before specifying any other settings, first specify whether date is to be shown or not.

1 ① SP ②

MENU/OK

```
📑DPOF
  SET ALL/RESET ALL
  REVIEW/RESET
  FRAME SET
  🕐DATE ON ◀▶
```
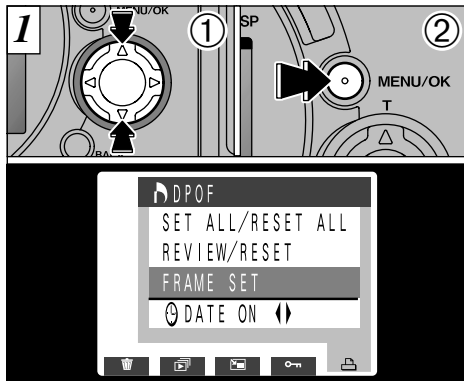
① Use "▲" or "▼" to select "FRAME SET".
② Press the "MENU/OK" button.

⚠ Always specify the date setting before proceeding to other settings.

⚠ If you specify "FRAME SET" and use cropping, and then specify "SET ALL", the number of frames specified in the "FRAME SET" and cropping settings are cancelled.

88

2 ① ②

```
📑FRAME SET    100-0005

          ▲
       03SHEETS
          ▼

    TOTAL/00003SHEETS

  TRIMMING➡[SHIFT]+[OK]
  SET➡[OK]  CANCEL➡[BACK]
```
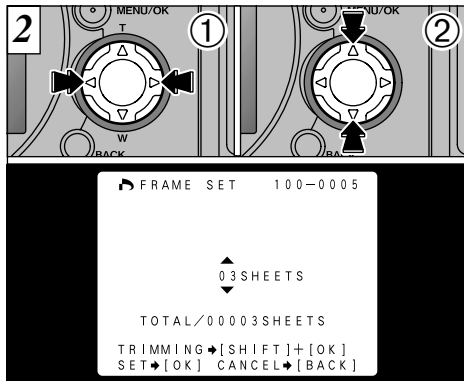
① Use "◀" or "▶" to display the frame to be specified.
② Use "▲" or "▼" to specify the number of prints.

If you are not specifying cropping, proceed to step *6* (➡P.90).

⚠ Up to 99 prints can be specified for each frame, and the maximum number of frames for which prints can be specified on one SmartMedia is 999.

⚠ Multi-frame playback is an easy way to select images to be printed (➡P.35).

3 DISP ② MENU/OK

SHIFT ①

```
✥TRIMMING

  SET➡[OK]  CANCEL➡[BACK]
```
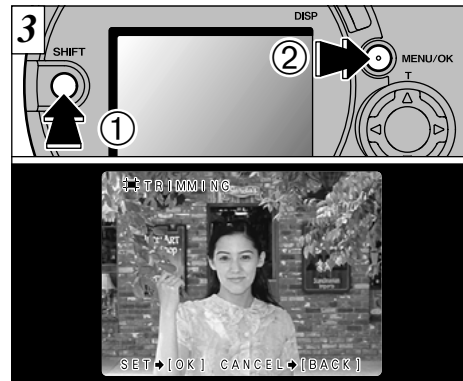
<To specify cropping> *3* ~ *5*
① If you hold down the "SHIFT" button ② and press the "MENU/OK" button, the Crop Settings screen appears.

⚠ Cropping cannot be specified for 640 × 480 pixel images.

4 ①

DISP ②
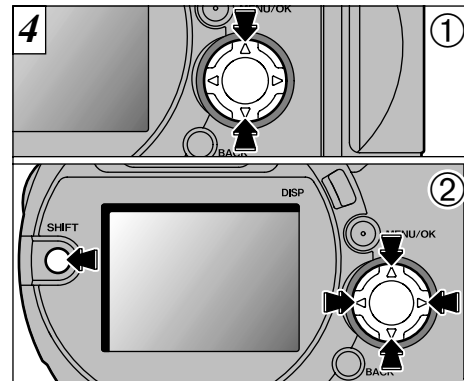
SHIFT

① Use "▲" and "▼" to zoom in and out.
② You can move the area to be trimmed around by holding down the "SHIFT" button and pressing "▲", "▼", "◀", and "▶" on the 4-direction button.

4

⚠ The minimum file size for which cropping can be specified is 640 × 480 pixels.

89

5

🔲TRIMMING

MOVE➧[SHIFT]+[▲▼◀▶]
SET➧[OK] CANCEL➧[BACK]

DISP

MENU/OK

T

Check the trimming settings on the monitor and then press the "MENU/OK" button to confirm the settings.

6

MENU/OK

T

◀ ▶

W

BACK
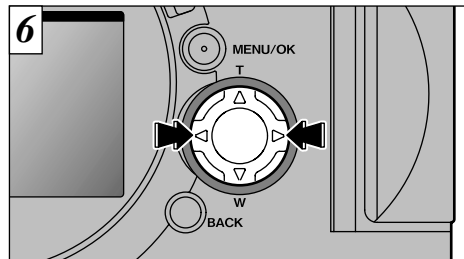
To specify prints for another frame, use the "◀" and "▶" buttons to select the frame and then specify the number of prints.

⚠ Using "◀" or "▶" to move to another frame automatically confirms the setting.

90

7

DISP

MENU/OK

T

▶FRAME SET 100−0005

⊙ 🖶
🖼03

TOTAL/00003SHEETS
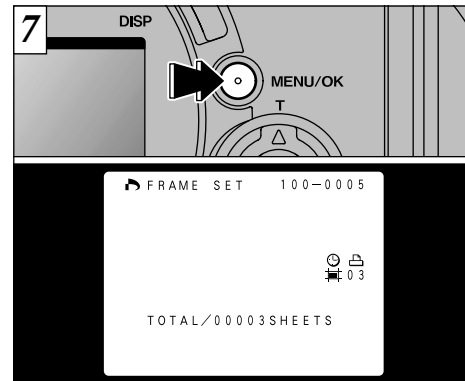
<To Continue>
When you have completed the settings, always press the "MENU/OK" button to confirm the settings. The total number of prints is displayed on the monitor and then the menu screen reappears.
The "🖶" and the number of prints are displayed for the specified frames, "⊙" is displayed where the date is specified, and "🖼" is displayed where cropping is specified.

W

BACK

▶FRAME SET 100−0005

▲
03SHEETS
▼

TOTAL/00003SHEETS

TRIMMING➧[SHIFT]+[OK]
SET➧[OK] CANCEL➧[BACK]
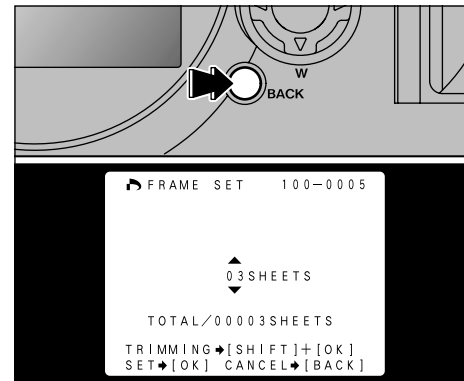
<To Cancel>
If you cancelled the setting, settings are only disabled for the frames that were being set. Settings for other frames are not cancelled.

4

⚠ "TOTAL" shows the total number of prints specified. 91

1
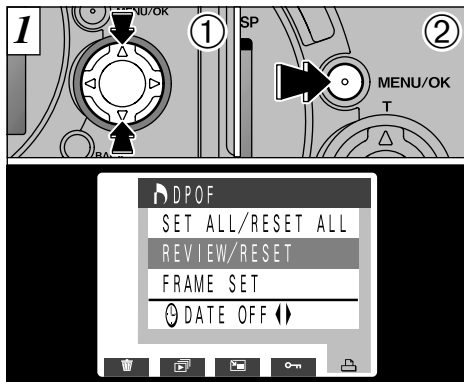
① Use "▲" or "▼" to select "REVIEW/RESET".
② Press the "MENU/OK" button.

2
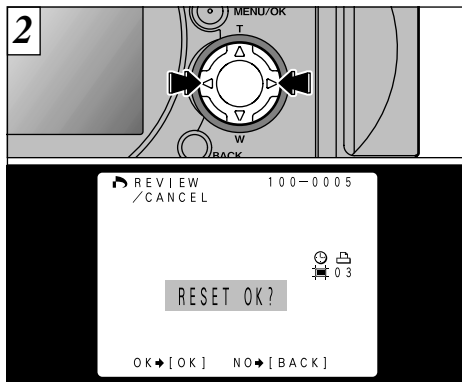
You can confirm the settings for only those frames with a specified number of prints by pressing "◄" or "►". The settings for each frame are displayed on the right of the screen.

❗ Multi-frame playback is an easy way to select images (➡P.35).

❗ If you do not want to check or delete the DPOF settings, press the "BACK" button to return to the menu. To exit the menu screen, press the "BACK" button again.

3
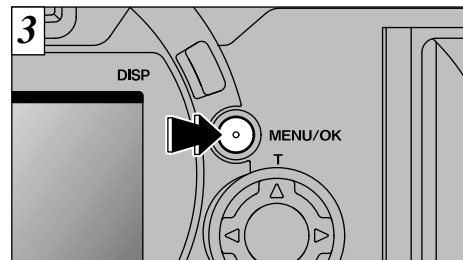
To delete the print setting, display the image for which the setting is to be deleted and then press the "MENU/OK" button. When the print setting has been deleted, the next image appears with the " RESET OK? " message displayed.

❗ If all the print specifications are cancelled, the "TOTAL" display reverts to "00000" and the background turns black.

To delete further print settings, repeat the procedure from step ②.

1
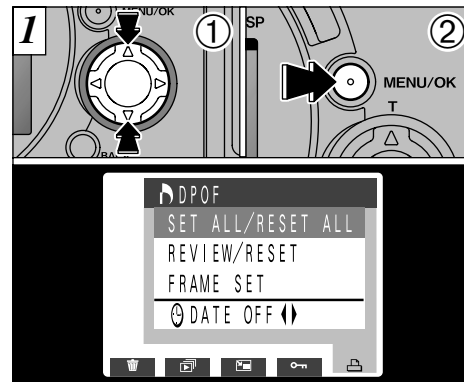
① Use "▲" or "▼" to select "SET ALL/RESET ALL".
② Press the "MENU/OK" button.

4

2

① SP ②

MENU/OK
T

W
BACK

```
SET ALL        100-0005
/RESET ALL




SET ALL ◀▶ RESET ALL


  OK➡[OK]   NO➡[BACK]
```

① Use "◀" or "▶" to select "SET ALL" or "RESET ALL".
② Press sthe "MENU/OK" button to set the selected option.

❗ "SET ALL" specifies 1 print for all the images.
❗ The "FRAME SET" specifications and cropping settings are cancelled.

3

```
SET ALL        100-0005
/RESET ALL


                      🖶
                      01


TOTAL/00005SHEETS
```

A confirmation screen appears. To proceed, press the "MENU/OK" button.

❗ Prints can be specified for up to 999 frames on the same card. If you specify more than 1000 frames, the "❗DPOF FILE ERROR" warning appears (➡P.120).
❗ "TOTAL" shows the total number of prints specified.
❗ If you cancel all of the frames, the "TOTAL" display reverts to "00000". The frames also remain protected.

94

Index creation can only be specified when there are image files selected.
This feature creates index images which allow you to view the content of a movie file without playing it back.
To create the index, the function selects 25 image frames from the movie file at regular intervals and then saves them in rows as a single image (1600 × 1200).

1

① SP ②

MENU/OK
T

W
BACK

```
🗑 ERASE


FORMAT
ALL FRAMES
FRAME

🗑  ▣  ▦  🔒
```
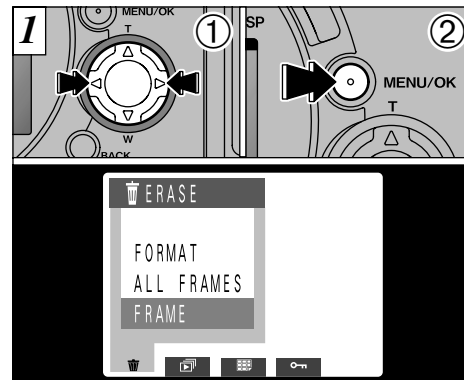
① Use "◀" or "▶" to select the movie file.
② Press the "MENU/OK" button to display the menu.

❗ The interval between the automatically selected frames varies depending on the movie recording time.

4

95
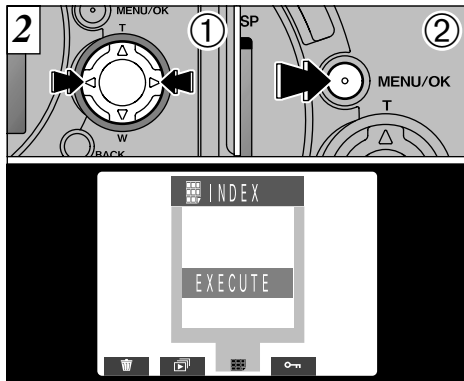
① Use "◀" or "▶" to select "▦ INDEX".
② Press the "MENU/OK" button.
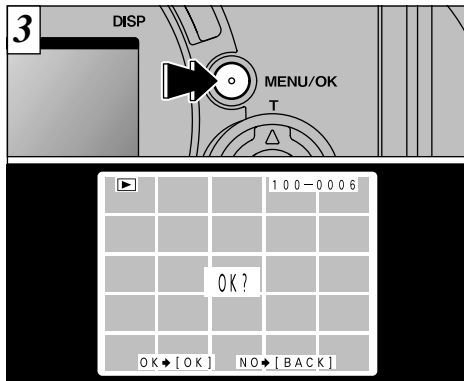
The index preview screen appears. To record the index, press the "MENU/OK" button.

⚠ If you do not want to record the index, press the "BACK" button to return to the menu. To exit the menu screen, press the "BACK" button again.

5 Setting   SET : SET-UP MODE ▶ The table below explains the camera setting

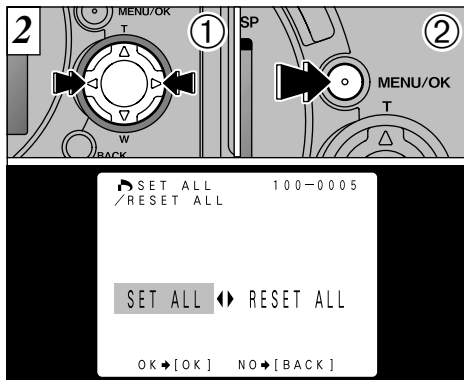| Settings	Display	Factory default	Explanation
FILE SIZE/ QUALITY	OK	2400×1800 NORMAL	Use this option to set the number of recorded pixels (file size) and quality (compression rate). See P.99 for details.
PREVIEW	ON/OFF	OFF	Use this setting to specify whether a preview image (showing the photographed image) is displayed after a picture is taken. See P.100 for details.
AUTO POWER SAVE	2 MIN/5 MIN/OFF	2 MIN	Use this setting to specify whether the camera is switched to low power mode and then automatically switched off when the camera controls are not being used. See P.102 for details.
BEEP	HIGH/LOW/OFF	HIGH	Sets the volume of the tone emitted when the camera is used.
DATE/TIME	OK	—	Sets the date and time. See P.20 for details.
FRAME NO.	RENEW/CONT	RENEW	Specifies whether the Frame No. Memory function is used. See P.103 for details.
LANGUAGE	ENGLISH/FRENCH	ENGLISH	Select English or French as the language used for screen display.
RESET ALL	OK	—	Resets all settings other than the date, time, custom white balance measurement and EVF/LCD setting to the factory default values. When you press the "MENU/OK" button, a confirmation screen appears. To proceed, press the "MENU/OK" button again.

5

SET : SET-UP MODE
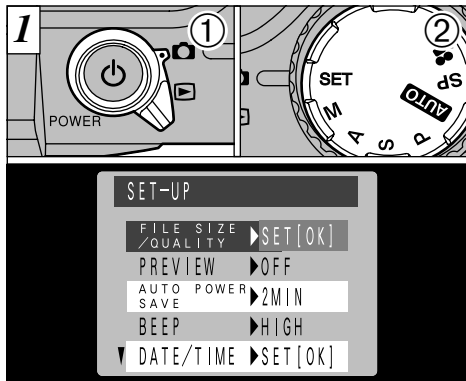
① Set the Mode switch to "📷".
② Set the Mode dial to "**SET**" to display the SET-UP screen.

⚠️ Always switch the camera off when you are replacing the batteries. If you open the battery cover or disconnect the AC power adapter without switching the camera off, all the camera settings may revert to the factory default values.
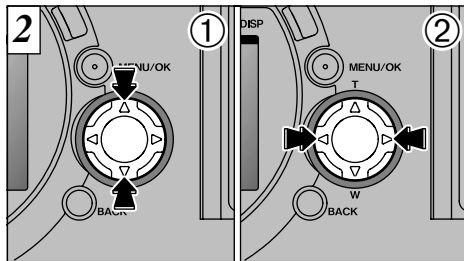
① Press "▲" or "▼" to select a setting.
② Use "◄" or "►" to change the settings.

⚠️ For "FILE SIZE/QUALITY", "DATE/TIME" and "RESET ALL", press the "MENU/OK" button.

SETTING THE FILE SIZE AND QUALITY (COMPRESSION RATIO)

You can select any combination of 3 file size settings and 4 quality (compression ratio) settings according to the type of shot you want to take.

To produce high-quality prints

Use no compression [HI] or a low compression ratio [FINE or NORMAL] with the largest possible file size setting. However, because this increases the amount of data in each frame, the remaining number of available frames is reduced.

For use on the Internet

These images are intended to be viewed on a personal computer screen, so you should use a small file size [640 × 480]. Because this reduces the amount of data in each frame, the remaining number of available frames is increased.

Quality (compression ratio)

Select "HI" or "FINE" for better image quality and "BASIC" to increase the number of available shots. In most cases, the "NORMAL" setting provides more than adequate image quality.

When the mode switch is set to "📷" (excluding "🎬"), holding down "SHIFT" and pressing "⚡" switches you to the settings screen.
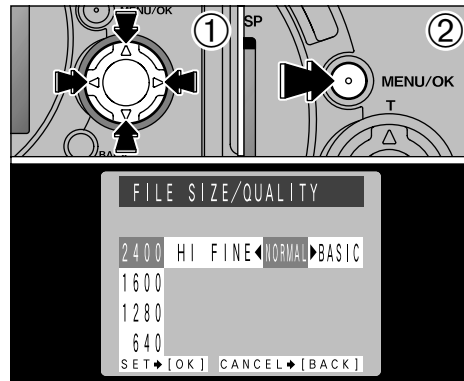
① Use "▲" or "▼" to change the file size setting and "◄" or "►" to change the quality setting.
② Press the "MENU/OK" button to confirm the setting.

5

⚠️ There are 9 combinations of file size and quality settings in total (➡️P.27).
⚠️ Images can be resized after shooting (➡️P.80).

PREVIEW DISPLAY SETTINGS
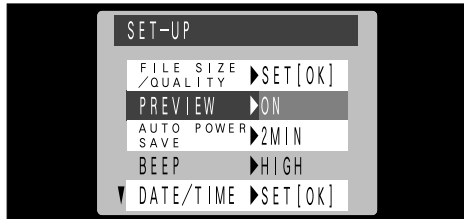
Use this setting to specify whether a preview screen (showing the photographed image) is displayed after you take a photograph.

ON : The preview screen is displayed and you can choose whether to record the image.
To record : "MENU/OK" button
To continue without recording : "BACK" button
OFF: The preview screen is not displayed and the image is automatically recorded.

⚠ Previews are not displayed when the photography mode is set to Movie.
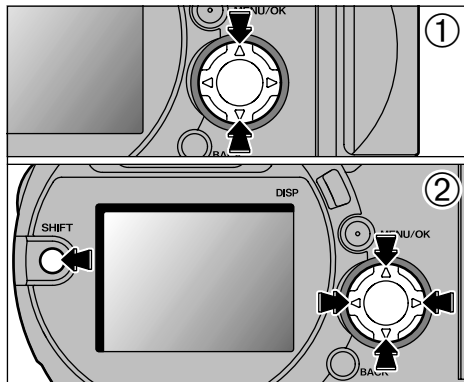
Preview Zoom

By magnifying the preview picture, checking of the focusing and details of the picture is possible.
① You can zoom in or out on the image on the preview screen by pressing "▲" or "▼" on the 4-direction button.
② You can move around a zoomed image by holding down the "SHIFT" button and pressing "◄", "►", "▲" or "▼" on the 4-direction button.

In Continuous Shooting/Auto Bracketing
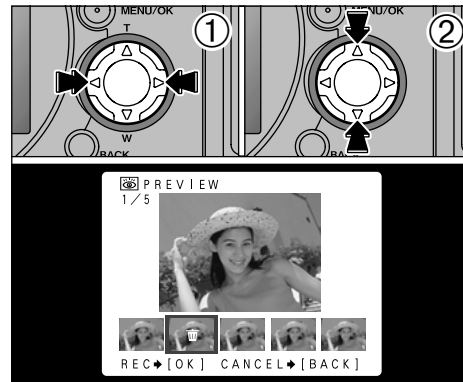
Setting Preview display to "ON" allows you to select the images to be recorded.
① Use "◄" and "►" to select the images you do not want to record.
② Press "▲" and "▼" to add or remove the "🗑" Mark.

Place an "🗑" mark under all the images you do not want to record and then press the "MENU/OK" button to record the remaining images.

5

AUTO POWER SAVE SETTING


```
SET-UP
FILE SIZE    ▶SET[OK]
/QUALITY
PREVIEW      ▶OFF
AUTO POWER   ▶OFF
SAVE
BEEP         ▶HIGH
▼ DATE/TIME  ▶SET[OK]
```


Once you enable this function, the monitor is temporarily switched off to reduce power consumption (Sleep mode) if the camera is not used for about 15 seconds. If the camera is then left unused for a further time (2 or 5 minutes), it is automatically switched off. Use this function when you want to get the maximum possible running time from the battery.

⚠ Auto Power Save is disabled during automatic playback and when a USB connection is being used.

> The Sleep function does not operate in Playback mode, but the camera is automatically switched off if it is left unused for some time (2 or 5 minutes).
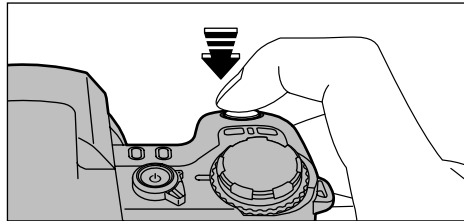
When the camera is in sleep mode, pressing the shutter button down halfway brings the camera back to full operational mode. This is a useful feature as it allows you to take pictures more quickly than switching the camera off and then on again.

⚠ Camera operation can also be restored by pressing other buttons. (Only those buttons that are enabled in the respective mode can be used.)

FRAME NO. MEMORY

	<RENEW>	<CONT>
A	0001 ⋮ 0005	0001 ⋮ 0005
B	0001 ⋮ 0005	0006 ⋮ 0010

* Formatted SmartMedia used for both A and B.

Setting this function to "CONT" makes file management easier as it ensures that file names are not duplicated when images are downloaded to a PC.

RENEW : Pictures are stored on each SmartMedia beginning with a file number "0001".

CONT : Pictures are stored beginning from the highest file number stored on the last SmartMedia used.

⚠ If the SmartMedia already contains image files with file numbers higher than the highest file number on the last SmartMedia, images are stored beginning from the highest file number on the current SmartMedia.
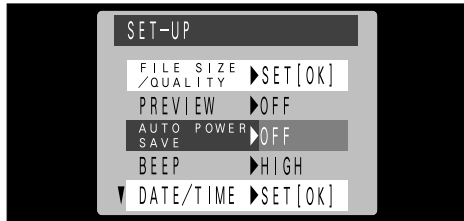


```
▶         100-0005
                File number
          Directory number
          Frame number

09/23/2000    12:00 PM
```
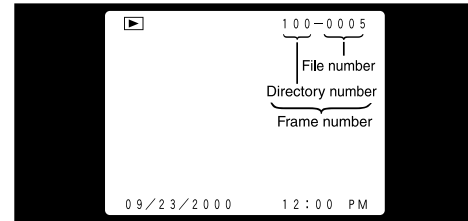
You can check the file number by viewing the image. The last 4 digits of the 7-digit number in the top right corner of the screen are the file numbers, while the first 3 digits show the directory number.

⚠ When you change the SmartMedia, always switch the camera off before you open the SmartMedia slot cover. If you open the slot cover without switching the camera off, the frame number memory will not function.

⚠ File numbers run from 0001 to 9999. Once 9999 is exceeded, the directory number goes up by 1. The maximum number is 999-9999.

⚠ If you switch the Frame NO. Memory function off, the highest file number stored by the function is reset.

⚠ The displayed frame number may differ for images photographed on other cameras.

5

ADJUSTING THE MONITOR BRIGHTNESS

1

① Hold down the "SHIFT" button ② and press the "DISP" button to display the adjustment bar.

● **Adjusting the BRIGHTNESS**
You can only adjust the brightness when the Mode switch is set to either "📷" or "▶".

The brightness adjustment can be set independently for the LCD viewfinder and the LCD monitor.

2
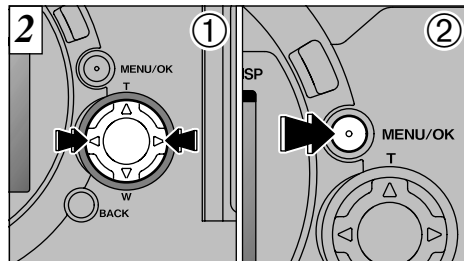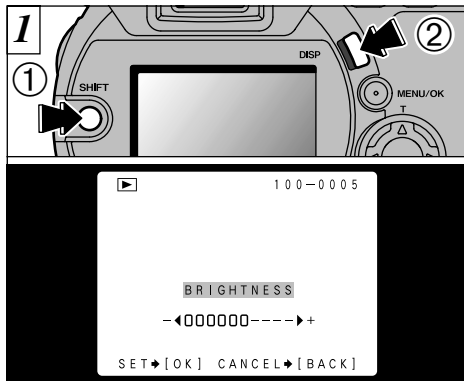
① Press "◀" or "▶" to adjust the brightness of the LCD monitor.
② Press the "MENU/OK" button to confirm the setting.

⚠ To exit this procedure without changing the settings, press the "BACK" button.

System Expansion Options

▶ By using the FinePix4900 ZOOM together with other optional FUJIFILM products, your system can be expanded to fill a wide range of uses. See P.106 to 111 for details.

SmartMedia

FinePix4900 ZOOM
Digital Camera

TV monitor
(commercially available)

Video output

(USB)

Floppy Disk Adapter (FlashPath)

(Floppy disk drive)

(PC card slot)

PC Card Adapter

PC Card Reader

(SCSI)

(USB)

(IEEE 1394)

Personal Computer
(commercially available)

Image Memory Card Reader

Digital Photo Printer

(USB)
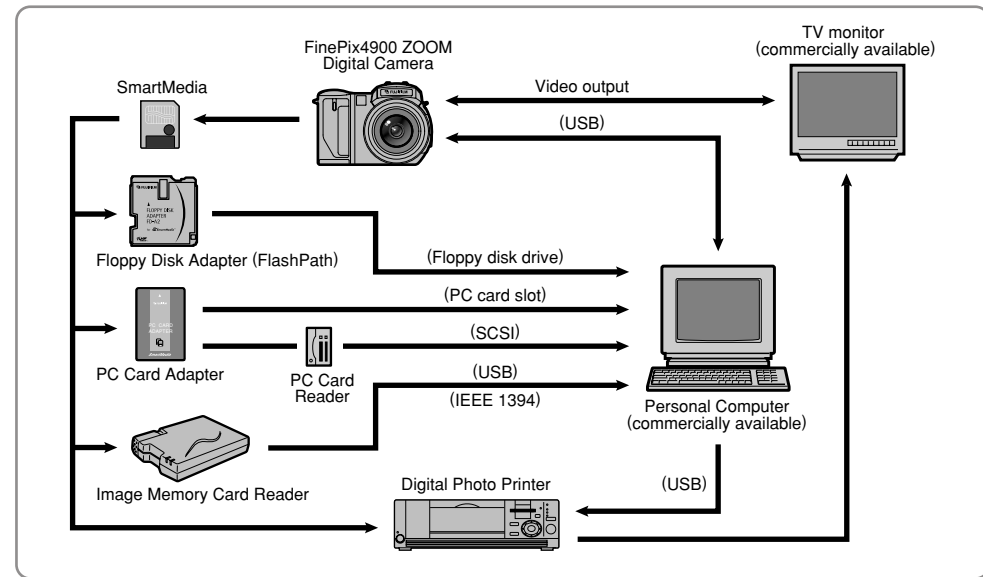
Using the USB Interface Set

● Use the cable provided to connect the camera to your PC and transfer image data from the camera to the PC.

● The software runs on Windows 98 (including the second edition), Windows 2000 Professional and Mac OS 8.5.1 to Mac OS 9.0. Note that your PC must be equipped with a USB port. (The software is not guaranteed to run on home-made PCs.)
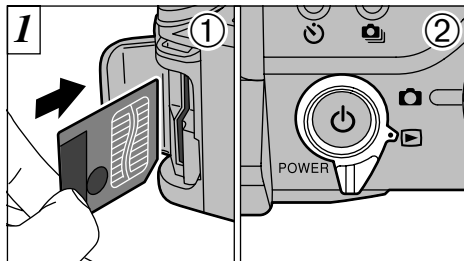
① Insert the SmartMedia.
② Switch the camera on and set the Mode Switch to "▶".

❗ The Auto Power save function does not operate when the camera is connected to a PC.
❗ It is best to use AC Power Adapter AC-5V/AC-5VH (sold separately) for this operation (➡P.16).

> Power loss during data transmission will prevent the image data from being downloaded correctly.

❗ To play back a movie on your personal computer, software such as QuickTime 3.0 is required. You should also copy the movie file to your hard disk before playing it back.

DIGITAL (USB) Socket

←· USB
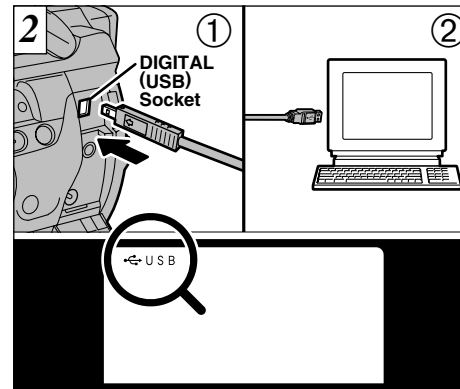
Insert the small plug on the special cable into the Digital (USB) socket on the camera ① and plug the other end of the cable into the USB socket on the PC ②. When you switch the PC on, "←· USB" appears on the camera monitor.

❗ Use only the special cable provided.
❗ Refer to the "Quick Start Guide" provided with the camera for information on installing and using the software.
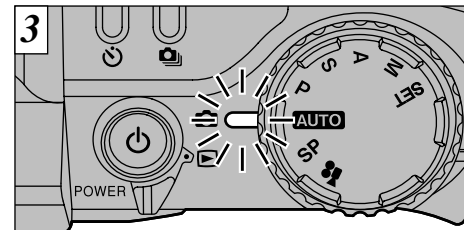
When the indicator lamp turns orange, data access (data transfer) is in progress. Never open the slot cover, disconnect the cable or use the camera in any other way during data access.

Using the USB Interface Set

Replacing SmartMedia

- **On Windows 98**
  Check that the indicator lamp is green.

- **On Windows 2000 Professional**
  Check that the indicator lamp is green and then click on the Eject button in the taskbar.

- **On a Macintosh**
  Check that the indicator lamp is green and then drag the "Removable drive" icon on the desktop to the Trash.
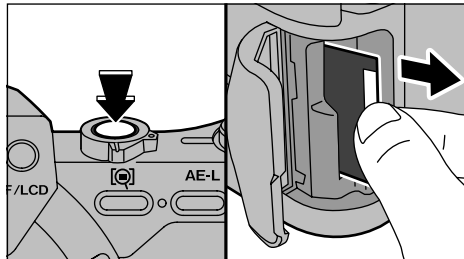
Switch the camera off and replace the SmartMedia.

⚠ After you replace the SmartMedia, switch the camera back on and then reconnect the camera to the personal computer.

Overview of the Wide Conversion Lens/Adapter Ring

Wide Conversion Lens WL-FX9

This is a set that includes a wide conversion lens and adapter ring and converts the camera's focal length by 0.79× (equivalent to a 28 mm wide-angle lens). This set also allows you to use commercially available filters.

- **Wide conversion lens specifications**

Magnification : 0.79×
Lens configuration : 3 lenses in 3 groups
Dimensions : 32 mm × 70 mm dia.
Weight : Approx. 185 g
Accessories : Adapter Ring (see below for specifications)
Lens caps (front and rear)
Lens pouch

⚠ This lens should be used at the wide-angle zoom setting (equivalent to 28 mm – 46 mm). Using the lens at the telephoto setting increases the amount of distortion.
⚠ The wide conversion lens and built-in flash cannot be used together.

The adapter ring is required for using commercially available filters.

- **Adapter ring specifications**

Compatible filters : 55 mm-diameter commercial filters
Dimensions : 39 mm × 58 mm dia.
Weight : Approx. 30 g

⚠ Do not use more than one filter at a time.
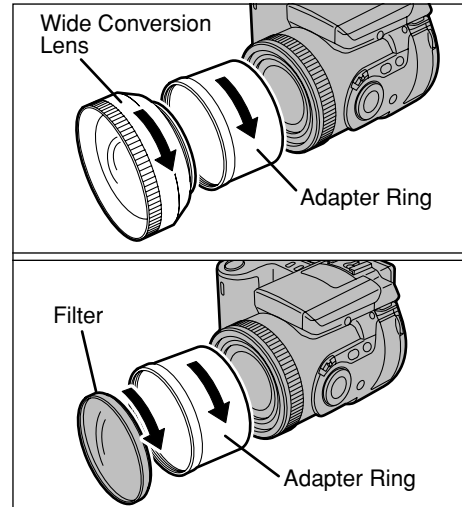
Mount the Adapter Ring, Wide Conversion Lens commercial filters by screwing them on in the direction of the arrow.

Accessories Guide

▶ The optional accessories (sold separately) can make taking pictures with the FinePix4900 ZOOM even easier. For information on how to attach and use the accessories, refer to the instructions provided with the accessory used.

● **SmartMedia™**
These are separately available SmartMedia cards.
Use the following SmartMedia :
● MG-4S : 4MB, 3.3V
● MG-8S : 8MB, 3.3V
● MG-16S : 16MB, 3.3V
● MG-32S : 32MB, 3.3V
● MG-64S : 64MB, 3.3V
● MG-16SW : 16MB, 3.3V, ID
● MG-32SW : 32MB, 3.3V, ID
● MG-64SW : 64MB, 3.3V, ID
✽ Some 3.3V SmartMedia are labelled as "3V" or "ID" cards.
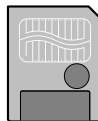
● **BC-80 Battery Charger**
Use the BC-80 to charge the rechargeable battery quicker.
Battery charging takes roughly 1 hour (charging an NP-80).
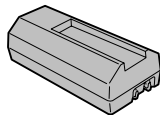
● **NP-80 Rechargeable Battery**
The NP-80 is a rechargeable lithium-ion battery.
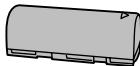
● **PC Card Adapter**
The PC Card Adapter allows the SmartMedia to be used as a PC Card Standard ATA-compliant (PCMCIA 2.1) PC card (Type II).
● PC-AD2 : Compatible with SmartMedia of 5V/3.3V, 2MB to 8MB.
● PC-AD3 : Compatible with SmartMedia of 5V/3.3V, 2MB to 64MB.

● **Floppy Disk Adapter (FlashPath)**
This adapter is the same size and shape as a 3.5-inch floppy disk. You can copy the images on a SmartMedia to your PC simply by loading the SmartMedia into the floppy disk adapter and then inserting the adapter into your floppy disk drive.

	Compatible OS	Compatible SmartMedia
FD-A1/A1S/A1N	Windows 95/98, NT 4.0, Macintosh	5V/3.3V, 2MB to 32MB
FD-A2		5V/3.3V, 2MB to 64MB

● **SM-R1/R2 Image Memory Card Reader**
The SM-R1/R2 allows images to very easily be read and written from an image memory card (SmartMedia) to a personal computer. Its USB interface provides high-speed data transmission.
● Windows 98 or Power Macintosh with USB interface.
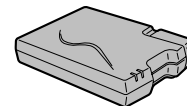
● **Image Memory Card Reader DM-R1**
This device allows image data shot on the camera to be handled in essentially the same way as files on an external disk drive for a personal computer.
● IEEE 1394 interface.
● Dual slot for SmartMedia and CompactFlash Type II (Microdrive-compatible).
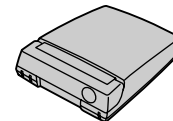
● **SC-FX9**
This is a special synthetic leather case that protects the camera against soiling, dust and minor impacts when it is being carried.

Explanation of Terms

AF/AE Lock :   On the FinePix4900 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.

Auto Power Save Function : If the camera is not used in any way for 15 seconds, this function switches features such as the LCD monitor off (Sleep mode) to prevent battery depletion and the waste of power when the AC power adapter is connected. If the camera is then left unused for a further period, the Auto Power Save function switches the camera off. This period can be set to 2 minutes or 5 minutes on this camera.
● The Auto Power Off function does not operate in PC mode, during automatic playback, or if it is disabled during setup.

DPOF :   Digital Print Order Format
DPOF is a format used for recording information on a storage media (image memory card, etc.) that allows you to specify which of the frames shot using a digital camera are printed and how many prints are made of each image.

EV :   A number that denotes exposure. The EV is determined by the brightness of the subject and sensitivity (speed) of the film or CCD. The number is larger for bright subjects and smaller for dark subjects. As the brightness of the subject changes, a digital camera maintains the amount of light hitting the CCD at a constant level by adjusting the aperture and shutter speed.
When the amount of light striking the CCD doubles, the EV increases by 1. Likewise, when the light is halved, the EV decreases by 1.

JPEG :   Joint Photographics Experts Group
A file format used for compressing and saving color images. The compression ratio can be selected, but the higher the compression ratio, the poorer the quality of the expanded image.

Motion JPEG :   A type of AVI (Audio Video Interleave) file format that handles images and sound as a single file. Images in the file are recorded in JPEG format. Motion JPEG can be played back by QuickTime 3.0 or later.

PC Card :   A generic term for cards that meet the PC Card Standard.

PC Card Standard : A standard for PC cards determined by the PCMCIA.

PCMCIA :   Personal Computer Memory Card International Association (US).

White Balance :   Whatever the kind of the light, the human eye adapts to it so that a white object still looks white. On the other hand, devices such as digital cameras see a white subject as white by first adjusting the color balance to suit the color of the ambient light around the subject. This adjustment is called matching the white balance. A function that automatically matches the white balance is called **an Automatic White Balance function**.

Notes on Using Your Camera Correctly

▶ Be sure to read this information in conjunction with before you use this product "Safety Notes" (➡P.127) to ensure that you use your camera correctly.

■ Places to Avoid
Do not store or use the camera in the following types of locations :
● Very humid, dirty or dusty places.
● In direct sunlight or in places subject to extreme temperature rises, such as in a closed car in summer. Extremely cold places.
● Places subject to strong vibrations.
● Places affected by smoke or steam.
● Places subject to strong magnetic fields (such as places near motors, transformers or magnets).
● For long periods in contact with chemicals such as pesticides or next to rubber or vinyl products.

■ Do not expose the camera to sand
The FinePix4900 ZOOM is particularly and adversely affected by sand. In sandy locations such as beaches or deserts, or in locations where there is wind borne sand, ensure that the camera is not exposed to sand. This can cause faults that may be irreparable.

■ Notes on Condensation
If the camera is carried suddenly from a cold location into a warm place, water droplets (condensation) may form on the inside of the camera or on the lens. When this occurs, switch the camera off and wait an hour before using the camera. Condensation may also form on the SmartMedia card. In this event, remove the SmartMedia and wait a short time before using it again.

■ When the Camera is Unused for Long Periods
If you do not intend to use the camera for a long period of time, remove the batteries and the SmartMedia card before storing the camera.

■ Cleaning Your Camera
● Use a blower brush to remove dust from the lens and LCD surface and then wipe lightly with a soft, dry cloth. If any soiling remains, apply a small amount of lens cleaning liquid to a piece of FUJIFILM lens cleaning paper and wipe gently.
● Do not scratch hard objects against the lens, LCD monitor screen or viewfinder as these surfaces are easily damaged.
● Clean the body of the camera with a soft dry cloth. Do not use volatile substances such as thinners, benzine or insecticide, as these may react with camera body and cause deformation or remove the coating.

■ Using the Camera Overseas
When travelling overseas, do not place your camera in the check-in baggage. Baggage handling at airports may subject baggage to violent shocks, and the camera may be damaged internally even when no external damage is visible.

Notes on the Power Supply

Notes on Using the Battery

The FinePix4900 ZOOM camera uses a rechargeable lithium-ion battery. Note the points below when using the rechargeable battery. Take particular care to read the Safety Notes to ensure that you use the battery correctly.

✽ When shipped, the NP-80 is not fully charged. Always charge the battery before using it.

● Always remove the battery cap when using the battery.

● When you are carrying the battery around, load it into the digital camera or attach the cap.

● When storing the battery, store it with the cap fitted.

Cap

Battery

Terminal
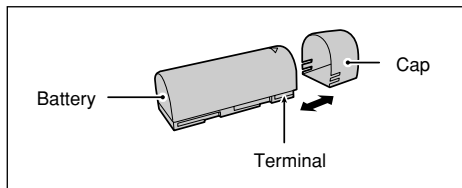
■ Battery Features

● The battery gradually loses its charge even when not used. Use a battery that has been charged recently (in the last day or two) to take pictures.

● To maximize the battery life, switch the camera off as quickly as possible when it is not being used.

● In cold locations, the number of frames that can be shot decreases. Take along a spare fully charged battery.

You can also increase the amount of power produced by putting the battery in your pocket or another warm place to heat it and then loading it into the camera just before you take a picture.

If you are using a heating pad, take care not to place the battery directly against the pad.The camera may not operate if you use a depleted battery in cold conditions.

■ Charging the Battery

● The battery can be charged using the AC-5V/AC-5VH AC Power Adapter supplied with the FinePix4900 ZOOM. The battery takes approximately 5 hours to charge.

If you use the BC-80 Battery Charger (sold separately), the battery can be charged in approximately 70 minutes.

● This rechargeable battery does not need to be fully discharged or exhausted flat before being charged.

● The battery may feel warm after it has been charged or immediately after being used. This is perfectly normal.

● The battery can be charged at temperatures between 0°C and +40°C (+32°F and +104°F), but should be charged between +10°C and +30°C (+50°F and +86°F) to obtain maximum battery performance.

● Do not recharge a fully charged battery.

■ Battery Life

At normal temperatures, this battery can be used at least 300 times.

If the time for which the battery provides power shortens markedly, this indicates that the battery has reached the end of its effective life and should be replaced.

Notes on storage

Lithium ion batteries are both compact and capable of storing large quantities of power. However, if they are stored for long periods while charged, the performance of the battery can be impaired.

● If the battery will not be used for some time, run the battery flat before storing it.

● If the battery is kept in storage for a long period, charge the battery and then run it flat again at least once a year.

● Always remove the battery from the digital camera or battery charger when it is not being used. Left installed, minute amounts of current flow even when unused, and the battery may become excessively drained and no longer function.

● Attach the cap and store in a cool place.

✽ The battery should be stored in a dry location with an ambient temperature between +15°C and +25°C (+59°F and +77°F).

✽ Do not leave the battery in hot or extremely cold places.

■ Handling the Battery

To avoid injury or damage, observe the following :

● Do not allow the metal portions of the battery to touch other metal objects.

● Do not bring the battery close to a flame or throw it into a fire.

● Do not attempt to disassemble or modify the battery.

To avoid damaging the battery or shortening its life, observe the following :

● Do not drop the battery or otherwise subject it to strong impacts.

● Do not immerse the battery in water.

Notes on the Power Supply

To ensure that you obtain optimum battery performance, observe the following :

● Always keep the battery terminals clean.
● Store the battery in a cool, dry place. Storing the battery for long periods in a hot location can shorten the battery life.

If you use the battery for a long period, the camera body and the battery itself will become warm. This is normal and is not a malfunction. Use the AC power adapter supplied with the camera if you are taking picture or viewing images for a long period of time.

■ Specifications

Nominal voltage	DC 3.7V
Maximum voltage	DC 4.2V
Nominal capacity	1300mAh
Operating temperature	0°C to +40°C (+32°F to +104°F)
Dimensions	19.8 mm × 20.4 mm × 55.5 mm (0.78 in. × 0.8 in. × 2.19 in.) (W × H × D)
Mass(Weight)	Approx. 40g (1.4oz)

✱These specifications are subject to change without notice.

AC Power Adapter

Always use the AC-5V/AC-5VH AC Power Adapter with the FinePix4900 ZOOM Digital Camera.
The use of an AC power adapter other than the AC-5V/AC-5VH could result in damage to your FinePix4900 ZOOM Digital Camera.

● This AC power adapter is designed exclusively for indoor use.
● Plug the connection cord plug securely into the DC input terminal of the FUJIFILM Digital camera.
● Turn off the power switch of the FUJIFILM Digital camera before disconnecting the connection cord from the FUJIFILM Digital camera's DC input terminal. To disconnect, take hold of the plug and pull it out (do not disconnect it by pulling on the cord).
● Do not use this AC power adapter with any device except the specified device.
● During use, this AC power adapter will become hot to touch, but this is not abnormal.
● Do not disassemble the AC power adapter. Doing so could be dangerous.
● Do not use this device in a place with high temperature and high humidity.
● Do not drop or subject this device to strong shocks.
● This device may emit a humming noise, but this is not abnormal.

● If used near a radio, this device may cause static, so play the radio in a distant place.
✱Very occasionally, DC output will be prevented by the operation of the internal protection circuit. In this event, unplug the AC-5V/AC-5VH from the power socket for a few moments and then plug it in again. This will restore DC output.

■ Specifications

Power Supply	AC 100 to 240V 50 / 60Hz (U.S.A. and Canada) AC 230V 50Hz (other countries)
Rated Input Capacity	12W (U.S.A. and Canada) / 120mA (other countries)
Rated Output	DC 5.0V 1.5A
Temperature During Use	0°C to +40°C
Storage Temperature	-10°C to +70°C
Dimensions (MAX.)	48 mm × 26 mm × 70 mm (1.9 in. × 1.0 in. × 2.8 in.) (W × H × D) (U.S.A. and Canada) 49.5 mm × 60.5 mm × 76 mm (1.9 in. × 2.4 in. × 3.0 in.) (W × H × D) (U.K.) 49.5 mm × 66.5 mm × 76 mm (1.9 in. × 2.6 in. × 3.0 in.) (W × H × D) (other countries)
Mass(Weight)	90g (3.2oz.) (U.S.A. and Canada) Approx. 130g (4.5oz.) (other countries)
Connection Cord Length	Approx. 2 m

✱Please note that specifications and characteristics are subject to change without notice.
FUJIFILM shall not be held liable for damages resulting from errors in this Owner's Manual.

Notes on the SmartMedia™

■ SmartMedia

The SmartMedia card supplied with your FinePix4900 ZOOM camera is a new image recording medium developed especially for use in digital cameras. Each SmartMedia card contains a built-in semiconductor memory chip (NAND flash memory) which is used for storing digital image data.

Because the data is stored electronically, the stored image data can be erased from the card and new data recorded.

■ SmartMedia with IDs

The SmartMedia ID is a SmartMedia that has an individually assigned identification number. SmartMedia ID cards can be used with devices that use ID numbers for copyright protection or other purposes. This camera accepts SmartMedia ID cards in the same way as conventional SmartMedia cards.

■ Storing Data

In the situations listed below, recorded data may be erased (destroyed). Please note that Fuji Photo Film Co., Ltd. accepts no responsibility whatsoever for the loss (destruction) of recorded data.

＊When the SmartMedia is used incorrectly by the owner or a third party

＊When the SmartMedia is exposed to static electricity or electrical noise

＊When the SmartMedia cover is opened or the SmartMedia removed and the camera is then switched off during data recording, during data erasing (SmartMedia formatting) or during frame advance when images are being played back.

> **Back up important data onto another medium. (MO disk, floppy disk, hard disk, etc.)**

■ Notes on Handling SmartMedia

● When inserting the card into the camera, hold the SmartMedia straight as you push it in.
● Never remove the SmartMedia or switch the camera off during data recording, during data erasing (SmartMedia formatting) or during frame advance when images are being played back. These actions could result in damage to the SmartMedia.
● Use only the SmartMedia specified for use with the FinePix4900 ZOOM. The use of other SmartMedia could damage the camera.
● SmartMedia are precision electronic devices. Do not bend, drop, or subject SmartMedia to excessive shocks.
● Do not use or store SmartMedia in environments likely to be affected by strong static electricity or electrical noise.

● Do not use or store SmartMedia in very hot, humid or corrosive environments.
● Take care not to touch the SmartMedia's contact area or allow the area to become soiled. Use a dry lint-free cloth to wipe away any soiling that does occur.
● To avoid damage caused by static electricity, always use the special static-free case provided during transportation or storage, or keep the SmartMedia in a storage case if available.
● Do not carry SmartMedia in locations such as a trouser pocket. This could subject the SmartMedia to excessive force when you sit down, thereby damaging the SmartMedia.
● The SmartMedia may feel warm when it is removed from the camera after extended periods of picture taking or image viewing. This is normal and does not indicate a fault.
● Inserting a SmartMedia that is charged with static electricity into your camera may result in a camera malfunction. If this occurs, switch the camera off and then on again.
● Affix the label onto the designated area of the card. Do not use third-party labels as this can lead to problems when the card is inserted or removed.
● When you attach the label, take care that it does not cover any of the write-protect area.

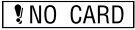## ■ Notes on Using SmartMedia with a PC

● If you intend to take photos using a SmartMedia that has been used on a PC, format the SmartMedia on your camera.
● When you format a SmartMedia in the camera and then shoot and record images, a directory (folder) is automatically created. Image data is then recorded in this directory.
● Do not change or delete the directory (folder) names or file names on the SmartMedia from your PC as this will make it impossible to use the SmartMedia in your camera.
● Always use the camera to erase image data on a SmartMedia.
● To edit image data, copy the image data to the computer's hard disk and then edit the copied data.
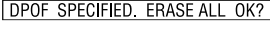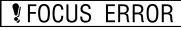
■ Specifications

Type	Image memory card for digital cameras (SmartMedia)
Operating voltage	3.3V
Operating conditions	Temperature : 0°C to +40°C (+32°F to +104°F) Humidity : 80% or less (condensation free)
Dimensions	37 mm × 45 mm × 0.76 mm (1.45 in. × 1.77 in. × 0.03 in.) (W × H × D)

Warning Displays

Explanation	Warning Displayed	Remedy
▭ (Lit red)	The camera battery is low on charge.	Replace or recharge the battery.
!NO CARD	No SmartMedia is loaded, or it is loaded incorrectly.	Load the SmartMedia (3.3V) in the correct direction.
!CARD NOT INITIALIZED	The SmartMedia is not formatted.	Format the SmartMedia.
!CARD ERROR	• The SmartMedia terminals are soild. • The SmartMedia is damaged. • The SmartMedia format is incorrect.	Wipe the contact area on the SmartMedia with a soft dry cloth. It may be necessary to format the SmartMedia. If the error message is still displayed, replace the SmartMedia.
!CARD FULL	The SmartMedia is fully recorded.	Erase some images or use a SmartMedia that has ample free space.
!PROTECTED CARD	The SmartMedia is write-protected.	Use a SmartMedia that is not write-protected.
!READ ERROR	An attempt was made to playback a frame not recorded on this camera.	Images cannot be played back.
!FILE LIMIT	The frame number has reached 999-9999.	Switch the Frame NO. Memory function off and use a formatted SmartMedia to take the picture.

Explanation	Warning Displayed	Remedy
✋))	There is a strong likelihood of camera shake because the shutter speed is slow.	Use flash photography. However, a tripod should be used for some scenes and modes.
!PROTECTED FRAME	A protected frame was erased.	Remove the protection.
! AF	The AF (auto focus) cannot work effectively.	• If the shot is too dark, move at least 2 m away from the subject and try again. • Use AF lock to take the picture.
Aperture/Shutter speed display (Lit red)	Outside the AE continuous range.	The shot can be taken, but the exposure will not be correct.
DPOF SPECIFIED. ERASE OK? DPOF SPECIFIED. ERASE ALL OK?	The image you tried to erase has a DPOF print setting.	When you erase the image, the DPOF settings for that image are deleted at the same time.
!RESET UNMATCHED DPOF OK?	The DPOF file contains an error. Alternatively, the DPOF file was set up on a different device.	Press the MENU/OK button to create a new DPOF file and specify all the DPOF settings again.
!DPOF FILE ERROR	Prints were specified for more than 1000 frames in the DPOF frame settings.	The maximum number of frames for which prints can be specified on the same SmartMedia is 999.
!ZOOM ERROR !FOCUS ERROR	• Camera malfunction or fault.	• Switch the camera on again, taking care not to touch the lens. • Turn the camera off and on again a few times. If this does not resolve the problem, contact an authorized FUJIFILM service center.

Problem	Cause	Remedy
No power.	• The battery is exhausted. • The AC power adapter plug has come out of the power outlet.	• Load a new fully charged battery. • Plug the adapter back in.
Power cuts out during operation.	• The battery is exhausted.	• Load a new fully charged battery.
Battery runs out quickly.	• You are using the camera in extremely cold conditions. • The terminals are soiled. • The battery is flat.	• Put the battery in your pocket or another warm place to heat it and then load it into the camera just before you take a picture. • Wipe the battery terminals with a clean, dry cloth. • Load a new fully charged battery.
No photograph is taken when the shutter button is pressed.	• No SmartMedia is loaded. • The SmartMedia is fully recorded. • The SmartMedia is write-protected. • The SmartMedia is not formatted. • The SmartMedia contact area is soiled. • The SmartMedia is damaged. • The Auto Power Save function has switched the camera off. • The battery is exhausted.	• Load a SmartMedia. • Load a new SmartMedia or erase a frame. • Remove the write-protection. • Format the SmartMedia. • Wipe the SmartMedia contact area with a clean dry cloth. • Load a new SmartMedia. • Switch the camera on. • Load a new fully charged battery.

Problem	Cause	Remedy
I can't use the flash to take pictures.	• The Mode switch and Mode dial has been moved to another setting. • The flash is set to Suppressed Flash mode (The flash is closed). • You pressed the shutter button while the flash was charging.	• Set the Mode switch and Mode dial to the correct setting. • Pop the flash up. (The flash cannot be used in some modes (➡P.39). Select a mode in which the flash can be used.) • Wait until charging is completed before pressing the shutter button.
The flash will not charge.	• No compatible SmartMedia is loaded. • The camera is set to Suppressed Flash mode. • The camera is set to Macro Photography. • The battery is exhausted.	• Load a new SmartMedia, erase a frame, or remove the write-protection. • Set the flash to Auto, Red-Eye Reduction or Forced Flash mode. • Cancel Macro Photography. • Load a new battery.
The playback image is too dark even though I used the flash.	• The subject is too far away. • Your finger covering the flash.	• Move closer to the subject. • Hold the camera correctly.
The image is blurred.	• The lens is dirty • The lens is zoomed to telephoto in Macro mode.	• Clean the lens. • Cancel Macro mode.
I can't format the SmartMedia.	• The SmartMedia is write-protected.	• Remove the write-protection. (Peel off the write-protect sticker.)
The ERASE ALL function does not erase all the frames.	• The frame is protected.	• Remove the frame protection.

Troubleshooting

Problem	Cause	Remedy
Nothing happens when I use the camera switches and dial.	• Camera malfunction. • The Mode switch and Mode dial has been moved to another setting. • The battery exhausted.	• Remove the battery, re-insert them and try again. • Set the Mode switch and Mode dial to the correct setting. • Load a new battery.
No image appears when I press the, "DISP" button.	• The Mode switch and Mode dial has been moved to another setting.	• Set the Mode switch and Mode dial to the correct setting.
There is no picture on the TV.	• The A/V cable is connected during movie playback. • The camera and TV are connected incorrectly. • The TV input is set to "TV".	• Connect the A/V cable correctly. • Connect the TV and camera correctly. • Set the TV input to "Video".

Specifications

System

● Model : Digital camera FinePix4900 ZOOM
● CCD Sensor
 1/1.7-inch Super CCD(with primary color filter), 2.4 million pixels in an interwoven pattern
● Image file Size
 2400 × 1800 pixels / 1600 × 1200 pixels / 1280 × 960 pixels / 640 × 480 pixels
● File format
 Still image : DCF-compliant (Exif ver.2.1 TIFF-RGB or JPEG), DPOF-compatible
 Movie : AVI format, Motion JPEG
● Storage media : SmartMedia (3.3V)
● Viewfinder
 0.55-inch 110000 pixel electronic viewfinder

● Lens : Super EBC Fujinon optical 6× zoom lens
 Aperture : F2.8 to F11, 13 levels in 1/3 steps
 Focus : TTL contrast-type, Auto or Manual
● Focus distance : f = 7.8mm – 46.8mm
 (equivalent to 35mm – 210mm on a 35mm camera)
● Exposure control : 64 zones TTL metering, Program AE (Auto, Scene Position, Program, Aperture-priority Auto and Shutter-priority Auto)
● Sensitivity : Equivalent to ISO 125/200/400/800
● White balance
 Auto (In Program, Aperture-priority Auto, Shutter-priority Auto and Manual modes, 7 positions can be selected and the custom white balance can be set with the push of a button.)
● Focal range
 Normal : Approx. 50 cm (1.6 ft.) to infinity
 Macro : Approx. 10 cm (0.3 ft.) to 80 cm (2.6 ft.)
● Shutter : Variable-speed, 3 to 1/2000 sec. (using AE)

■ Number of frames recorded

File Size	2400 × 1800				1600 × 1200		1280 × 960		640 × 480	Movie
Quality Mode	HI	FINE	NORMAL	BASIC	FINE	NORMAL	FINE	NORMAL	NORMAL	――
Image Data Size	Approx. 12.7MB	Approx. 1.7MB	Approx. 810KB	Approx. 330KB	Approx. 770KB	Approx. 390KB	Approx. 620KB	Approx. 320KB	Approx. 90KB	――
MG-4S (4MB)	0	2	4	11	4	9	6	12	44	22sec.
MG-8S (8MB)	0	4	9	23	10	19	12	24	89	45sec.
MG-16S/SW (16MB)	1	9	19	47	20	39	25	49	165	90sec.
MG-32S/SW (32MB)	2	18	38	94	41	79	50	99	331	182sec.
MG-64S/SW (64MB)	5	36	77	189	82	159	101	198	663	364sec.

Specifications

● Flash : Auto flash using flash control sensor
  Effective range: Wide Approx. 0.3 m − 4.5 m (1 ft. − 14.7 ft.)
  Tele Approx. 0.9 m – 4.0 m (3 ft. − 13.1 ft.)
  Flash modes : Auto, Red-Eye Reduction,
  Forced Flash, Slow Synchro,
  Red-Eye Reduction + Slow Synchro
● LCD monitor
  2-inch, low-temperature polysilicon TFT 130000 pixels
● Video output
  NTSC (US/Canada model) / PAL (Europe model)
● Self-Timer : 2 sec. / 10 sec. timer clock

Input/Output Terminals

● A/V Output : Stereo mini- jack (1)
● Digital
  USB (1) for image data output with a personal computer
● DC Input
  Socket for specified AC power adapter

Power Supply and Others

● Power supply
  Use one of the following
  • Rechargeable Battery NP-80 or AC Power Adapter
  AC-5V/AC-5VH

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■ No. of available shots using battery (battery life) with a
  fully charged battery

Battery Type	Using LCD monitor	Using LCD viewfinder
NP-80 battery	Approx. 100	Approx. 120

This indicates the number of available frames shot
consecutively at room temperature with a flash use rate of
50%. Note that these figures may vary depending on the
ambient temperature and the amount of charge in the battery.
● Conditions for use
  Temperature : 0°C to +40°C (+32°F to +104°F)
  80% humidity or less (no condensation)
● Camera dimensions (W/H/D)
  110 mm × 78.5 mm × 93.5 mm / 4.3 in. × 3.1 in. × 3.7 in.
  (not including accessories and attachments)
● Camera mass (weight) : Approx. 410g / 14.5oz.
  (not including accessories, batteries or SmartMedia)
● Weight for photography : Approx. 450g / 18.9oz.
  (including batteries and SmartMedia)
● Accessories : See P.7
● Optional Accessories : See P.105 − 111

✱ These specifications are subject to change without notice.
✱ The LCD monitor on your digital camera is manufactured
  using advanced high-precision technology. Even so, small
  bright points and anomalous colors (particularly around
  text) may appear on the monitor. These are normal display
  characteristics and do not indicate a fault with the monitor.
  This phenomenon will not appear on the recorded image.
✱ The electrostatic discharge can in some cases cause
  problems. This is not a malfunction of FUJIFILM Digital
  Cameras.

Safety Notes

● To ensure that you use your FinePix4900 ZOOM
  camera correctly, read these Safety Notes and your
  Owner's Manual carefully beforehand.
● After reading these Safety Notes, store them in a
  safe place.

About the Icons

The icons shown below are used in this document to
indicate the severity of the injury or damage that can
result if the information indicated by the icon is ignored
and the product is used incorrectly as a result.

⚠ WARNING	This icon indicates that death or serious injury can result if the information is ignored.
⚠ CAUTION	This icon indicates that personal injury or material damage can result if the information is ignored.

The icons shown below are used to indicate the nature
of the information which is to be observed.

⚠ Triangular icons notify the user of information
requiring attention ("Important").

🚫 Circular icons with a diagonal bar notify the
user that the action indicated is prohibited
("Prohibited").

❗ Filled circles with an exclamation mark notify
the user of an action that must be performed
("Required").

⚠ WARNING

**If a problem arises, switch the camera
off, remove the battery and disconnect
and unplug the AC power adapter.**

Continued use of the camera when it is
emitting smoke, is emitting any unusual
odor, or is in any other abnormal state
can cause a fire or electric shock.
● Contact your FUJIFILM dealer.

Unplug from
power socket.

**Do not allow water or foreign objects
to enter the camera.**

If water or foreign objects get inside the
camera, switch the camera off, remove
the battery and disconnect and unplug
the AC power adapter.

Continued use of the camera can cause
a fire or electric shock.
● Contact your FUJIFILM dealer.

**Do not place the camera on an
unstable surface.**

This can cause the camera to fall or tip
over and cause injury.

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Safety Notes

⚠ WARNING

Never attempt to modify or disassemble the camera. (Never open the casing.)

Do not use the camera when it has been dropped or the casing is damaged.

This can cause a fire or electric shock.

● Contact your FUJIFILM dealer.

Do not disassemble.

Do not use the camera in the bathroom or shower.

This can cause a fire or electric shock.

Do not use in the bathroom or shower.

Never attempt to take pictures whilst in motion.

Do not use the camera while you are walking or operating a moving car or other vehicle.

This can result in you falling down or being involved in a traffic accident.

Do not touch any metal parts of the camera during a thunderstorm.

This can cause an electric shock due to induced current from the lightning discharge.

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⚠ WARNING

Do not modify, heat or unduly twist or pull the connection cord and do not place heavy objects on the connection cord.

These actions could damage the cord and cause a fire or electric shock.

● If the cord is damaged, contact your FUJIFILM dealer.

Do not use the batteries except as specified.

Load the batteries with the poles positioned as indicated by the ⊕ and ⊖ marks.

Do not heat, modify or attempt to disassemble the batteries.
Do not drop or subject the batteries to impacts.
Do not attempt to recharge lithium or alkaline batteries.
Do not store the batteries with metallic products.
Do not use chargers other than the specified model to charge the battery.

Any of these actions can cause the batteries to burst or leak and cause fire or injury as a result.

⚠ WARNING

Use only the batteries or AC power adapter specified for use with this camera.
Do not use voltages other than the power supply voltage shown.

The use of other power sources can cause a fire.

⚠ CAUTION

Do not use this camera in locations severely affected by oil fumes, steam, humidity or dust.

This can cause a fire or electric shock.

Do not leave this camera in places subject to extremely high temperatures.

Do not leave the camera in locations such as a sealed vehicle or in direct sunlight.

This can cause a fire.

Keep out of the reach of small children.

This product could cause injury in the hands of a child.

Do not place heavy objects on the camera.

This can cause the heavy object to tip over or fall and cause injury.

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Safety Notes

⚠ CAUTION

Do not move the camera while the AC power adapter is still connected.
Do not pull on the connection cord to disconnect the AC power adapter.

This can damage the power cord or cables and cause a fire or electric shock.

Do not cover or wrap the camera or the AC power adapter in a cloth or quilt.

This can cause heat to build up and distort the casing or cause a fire.

When you are cleaning the camera or you do not plan to use the camera for an extended period, remove the battery and disconnect and unplug the AC power adapter.

Failure to do so can cause a fire or electric shock.

Do not use the flash close to anyone's eyes.

This can cause temporary damage to the person's eyesight.

⚠ CAUTION

Do not use the AC power adapter when the plug is damaged or the plug socket connection is loose.

This could cause a fire or electric shock.

Request regular internal testing and cleaning for your camera.

Build-ups of dust in your camera can cause a fire or electric shock.

● Contact your Fuji dealer to request internal cleaning every 2 years.

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EC Declaration of Conformity

We
Name :   Fuji Photo Film (Europe) G.m.b.H.
Address :   Heesenstrasse 31
                         40549 Dusseldorf, Germany

declare that the product
Product Name :   DIGITAL CAMERA FUJIFILM FinePix4900 ZOOM
Manufacture's Name :   Fuji Photo Film Co., Ltd.
Manufacture's Address : 26-30, Nishiazabu 2-chome, Minato-ku,
                         Tokyo 106-8620, Japan

is in conformity with the following Standards
        Safety : EN60065
        EMC :   EN55022 :   1998 Classe B
                 EN55024 :   1998
                 EN61000-3-2 : 1995 + A1:1998 + A2:1998

following the provision of the EMC Directive (89/336/EEC, 92/31/EEC and 93/68/EEC) and Low Voltage Directive (73/23/EEC).

CE

Dusseldorf, Germany   September 1, 2000

Place   Date   Signature/Managing Director

Bij dit produkt zijn batterijen geleverd. Wanneer deze leeg zijn, moet u ze niet weggooien maar inleveren als KCA

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