



DIGITAL CAMERA
FinePix S602 Zoom



Getting Ready

Basic
Photography

Advanced
Features
Photography

Advanced
Features
Playback

Settings

Connection

OWNER'S MANUAL

This manual will show you how to use your FUJIFILM DIGITAL CAMERA FinePix S602 ZOOM correctly. Please follow the instructions carefully.

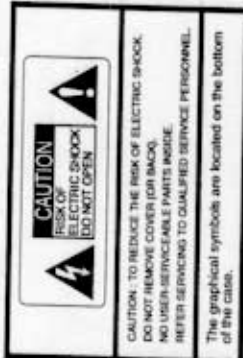


Exif Print

BL00135-200(1) **E**

Warning

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



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 the user's authority to operate the equipment.

Notes on the Grant:

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

For customers in Canada

CAUTION

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

Please read the Safety Notes (→ p.90) and make sure you understand them before using the camera.

EC Declaration of Conformity

We
Name:
Address:

Fuji Photo Film (Europe) G.m.b.H.
Heesendrasse 31
40549 Düsseldorf, Germany

declare that the product

Product Name: FUJIFILM DIGITAL CAMERA FinePix S602 ZOOM
Manufacturer's Name: Fuji Photo Film Co., Ltd.
Manufacturer's Address: 26-30, Nishi-azabu 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 93/108/EEC) and Low Voltage Directive (73/23/EEC).

CE

Düsseldorf, Germany May 1, 2002

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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■ Test Shots Prior to Photography

For particularly important photographs (such as weddings and overseas trips), always take a test photograph and view the image to make sure that the camera is functioning normally.

- Fuji Photo Film Co., Ltd. cannot accept liability for any incidental losses (such as the costs of photography or the loss of income from 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 (SmartMedia or Microdrive) 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 viewfinder (EVF) is damaged, take particular care with the liquid crystal in the monitor or finder. If any of the following situations arise, take the urgent action indicated.

- If liquid crystal comes in contact with your skin thoroughly with soap and running water.
- If liquid crystal gets into your eye
- Flush the affected eye with clean water for at least 15 minutes and then seek medical assistance.
- If liquid crystal is swallowed
- Flush your mouth thoroughly with water. Drink large quantities of water and induce vomiting. Then seek medical assistance.

■ Notes on Electrical Interference

If the camera is to be used in hospitals or aircraft, please note that this camera may cause interference to other equipment in the hospital or aircraft. For details, please check with the applicable regulations.

■ Handling Your Digital Camera

This camera contains precision electronic components. To ensure that images are recorded correctly, do not subject the camera to impact or shock while an image is being recorded.

■ Trademark Information

- Mac and Macintosh are registered trademarks of Apple Computer, Inc.
- Windows is a registered trademark of the Microsoft Corporation of the U.S., registered in the U.S.A. and other countries. Windows is an abbreviated term referring to the Microsoft Windows Operating System.
- SmartMedia is a trademark of Toshiba Corporation.
- CompactFlash is a trademark of Sandisk Corporation of the U.S.
- Microdrive is a trademark of the International Business Machines Corporation of the U.S.
- Other company or product names are trademarks or registered trademarks of the respective companies.

■ Explanation of Color Television System

NTSC: National Television System Committee, color television 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.

■ Exit Print (Exit ver. 2.2)

Exit Print Format is a newly revised digital camera file format that contains a variety of shooting information for optimal printing.

Camera Features and Accessories

Features

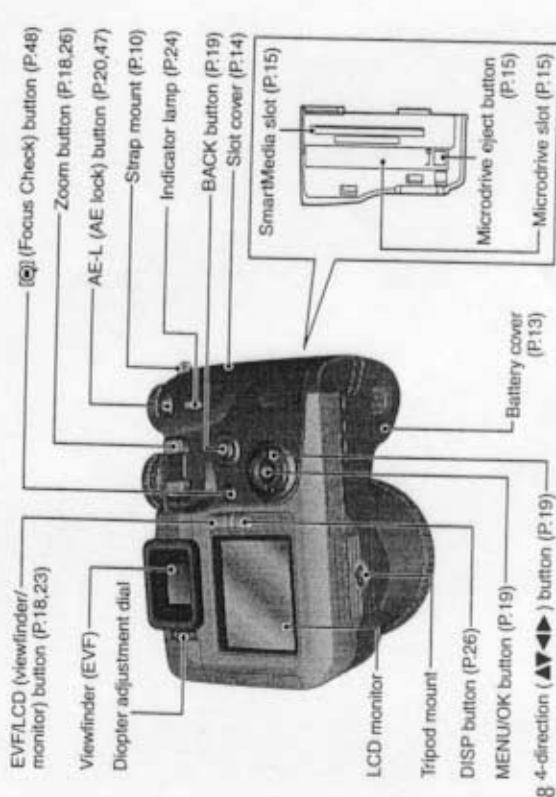
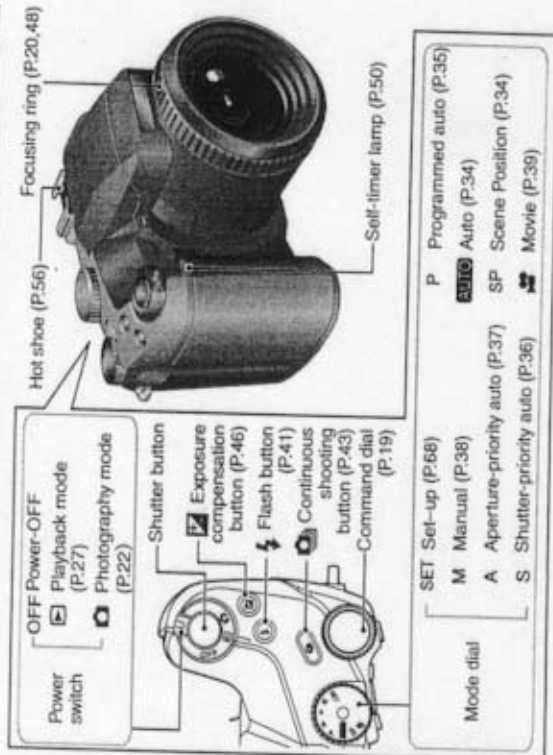
- 3.1 million effective pixels
- 1/1.7-inch Super CCD provides high quality images with 2823 x 2128 (6.03 million) recorded pixels
- Powerful Super EBC Fujinon 6x optical zoom lens (aspherical lens) for superb optical performance
- Maximum 4.4x seamless digital zoom
- Wide range of light sensitivity settings from ISO 160, 200, 400 up to ultra-high settings with ISO 800* and 1600*
- * In 1280 x 960 pixels mode only
- "Motion Photo" VGA-sized movie with monaural sound (640 x 480 pixels at 30 frames/sec.)
- Dual media slots for SmartMedia and Microdrive
- Fast-acting dual-method focusing system that combines an external AF sensor (passive phase-difference AF sensor) and CCD-AF
- Quick, responsive operation with 77 second start-up and only 77 second between shots
- Auto focus with macro function (manual focusing function also available)
- Super Macro function for close-up shots as near as 1cm (0.4 inch) to the subject
- Three type high-speed continuous shooting mode
- Top 5-frame continuous shooting (5 frames/sec.)
- Final 5-frame continuous shooting (5 frames/sec. within 5 seconds/25 shots)
- Long-period continuous shooting with 1280 x 960 pixels mode (1.8 frames/sec. up to 40 frames)
- AF AREA function lets you choose from 35 focusing points in the viewfinder image
- A wide range of exposure modes (including manual exposure) let you adjust your photography settings as you like
- A ultra-wide range of shutter speed from 1/10,000 sec. to long exposures up to 15 sec in Manual mode
- 0.4" 180,000-pixel electric viewfinder with digital adjustment mechanism
- 1.8" 116,000-pixel LCD monitor (low-temperature polysilicon TFT) with 100% coverage
- Support to external flash units
- Convenient preview function for checking your shots
- Immediate exposure checking after shooting using histogram indication function
- Playback zoom function (max. 18x)
- Multiple exposure and monochrome photography function provides a wider range of photography options
- INFO button allows you to view your photography settings at a touch whenever the need arises
- Easy high-speed data transfer via the USB connection
- Conforms to "Design for Camera File system" standard and Exit ver 2.2 for digital cameras
- * "Design for Camera File system" standard and Exit format are formulated by the Japanese Electronic and Information Association (JEITA)

Accessories

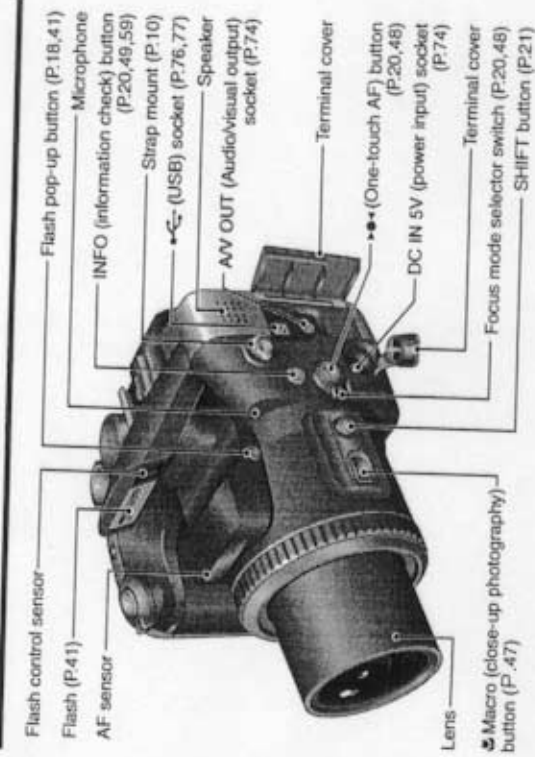
- SmartMedia (16MB, 3.3V) (1)
Supplied with:
• Anti-static case (1)
• Index label (1)
- AA-size alkaline batteries (4)
- Shoulder Strap (1)
- Protective cover (2)
- Metal strap clip (2)
- Clip attaching tool (1)
- Lens cap (1)
- Lens cap holder (1)
- AV Cable (approx. 1.5 m (4.9 ft.), mini-plug (2.5 mm dia.) to pin-plug cable x 2) (1)
- USB Interface Set (1)
• CD-ROM: Software for FinePix EX (1)
• Special USB cable with Noise Suppression code (1)
• Software Quick Start Guide (1)
- Owner's Manual (this manual) (1)

Nomenclature

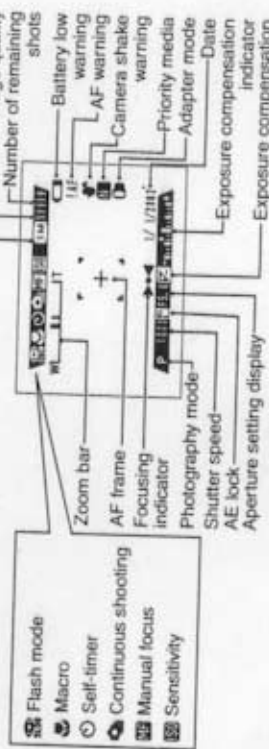
* Refer to the pages in parentheses for information on using the camera features.



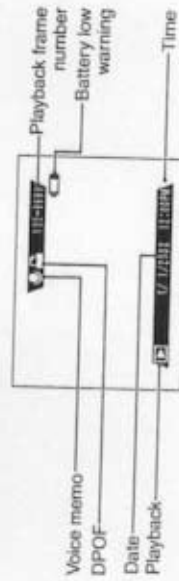
8



Example of Monitor Text Display : Shooting



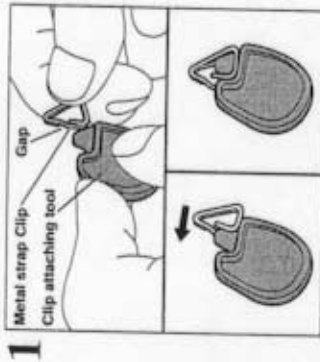
Example of Monitor Text Display : Playback



9

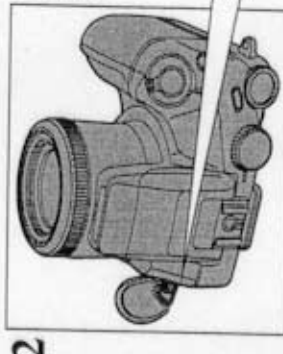
1 Getting Ready ATTACHING THE LENS CAP AND CAMERA STRAP

When attaching the strap to the camera, attach the metal strap clip to the camera before threading the strap through the clip. This description explains how to attach the strap using the clip attaching tool provided to make attaching the metal strap clip easier. (Numbers 1 to 8 refer to the illustrations.)



Checking that the metal strap clip is facing the right way, slide the clip fully into the clip attaching tool and open up the gap in the strap clip.

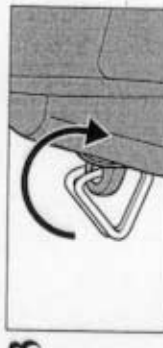
Keep the clip attaching tool in a safe place as you will also need it for removing the metal strap clip from the camera.



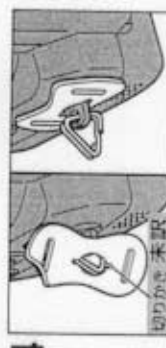
Hook the open metal strap clip through the strap mount on the camera. Once the clip is securely hooked through the strap mount, hold the clip in place as you remove the clip attaching tool.



Turn the metal strap clip around once until it clicks closed and is fully threaded onto the strap mount.



Face the black side of the cover towards the camera and attach the strap by threading the strap through the strap clip, starting from the notched side. Repeat steps 1 to 4 to attach the other end of the strap.

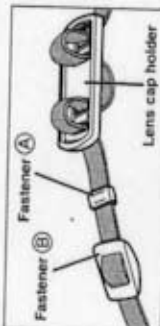


1 Attach the lens cap cord by threading it through the metal strap clip near the terminal cover.
2 Attach the lens cap by pressing in on each side of the cap.



The lens cap cord should be attached to the camera to avoid losing the lens cap.

Remove fasteners A and B from only one side of the shoulder strap. Then pass the shoulder strap through the lens cap holder and then back through fasteners A and B.



Thread the strap through the protective cover and metal strap clip.



Thread the strap through the buckle and retainer. Repeat steps 2, 3, 4, 6 and 7 to attach the other end of the strap.



Using the Lens Cap Holder

To ensure that the lens cap does not appear in your shot when you take a picture, attach it to the lens cap holder.



LOADING THE BATTERIES

Compatible Batteries

AA-size alkaline batteries (4) or AA-size Ni-MH (nickel-metal hydride) batteries (4, sold separately)

About the Batteries

- Never use a battery when the outer casing is split or peeling as this could result in a short-circuit and cause major problems due to battery fluid leakage or overheating.
- Do not use lithium, manganese or nickel-cadmium (Ni-Cd) batteries.
- Do not use batteries of different types or brands together and do not use new batteries together with used batteries.
- The useful life of alkaline batteries varies depending on the brand. The life of some batteries may be considerably shorter than the batteries supplied with the camera. It is also a characteristic of alkaline batteries that they will run out more quickly in cold conditions (+10°C (+50°F) or below).
- Ni-MH batteries should be used in cold locations.
- Selling such as fingerprints or grease on the poles of batteries can significantly reduce the number of shots that can be taken.
- See P.82 for other precautions concerning the use of batteries.



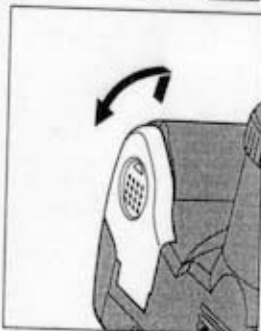
When Using AA-size Ni-MH Batteries

- To charge Ni-MH batteries, the optional charger (P.80) is required.
- Always use the specified FUJIFILM batteries. Attempting to recharge other types of battery (manganese, alkaline or lithium batteries) could cause the batteries to burst or leak fluid, causing a fire or injury or damage to surroundings.
- Soiling on the poles of Ni-MH batteries may prevent successful charging. It is recommended that you make a practice of wiping the battery poles and charger terminals with a clean dry cloth before charging. (In particular, the first time you charge the batteries, you should clean the poles and terminals and then load the batteries into the charger and remove them again several times before you begin charging.)
- Do not use new batteries together with used batteries.
- Always charge batteries before using them. Newly purchased batteries or batteries that have not been used for a long period may not contain sufficient charge (so that the battery low warning appears immediately or the available shot/time displayed for the battery is low). This is a characteristic of the batteries and does not indicate a fault. Once the batteries have been charged and used 3 or 4 times, it will be possible to charge them fully and they will supply power for longer.
- If you charge Ni-MH batteries before they are fully depleted, this results in the "memory effect", which causes the battery low warning to appear sooner. To restore the batteries to their normal condition, use up all the charge in the batteries before recharging them.
- Memory effect: A phenomenon whereby the battery capacity appears to be lower than the nominal amount.

1

Getting Ready

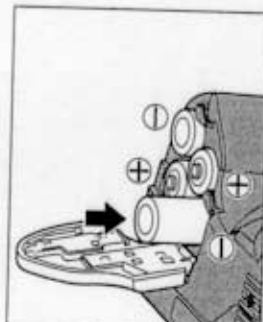
Slide the battery cover out and lift it open.



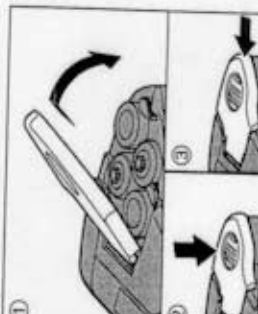
- Do not apply excessive force to the battery cover.
- Take care not to drop the batteries when opening or closing the battery cover.

Never open the battery cover while the camera is switched on as this could damage the media or the image files.

Insert the batteries correctly as indicated by the polarity icons.

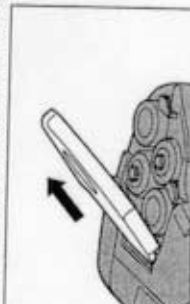


- Close the battery cover.
- While pressing on the battery cover to push the batteries down, slide the cover closed.



When the Battery Cover Will Not Close

Pull on the battery cover to close it.



LOADING THE MEDIA

You can use either SmartMedia or Microdrive as recording media in the FinePix S602 ZOOM.

- If you load a SmartMedia and a Microdrive at the same time, images will be recorded onto the media selected as the "Priority media" (→ "Settings" P.68).
- Data cannot be copied between the two media types on the FinePix S602 ZOOM.

SmartMedia™ (optional)

Always use 3.3-volt SmartMedia.

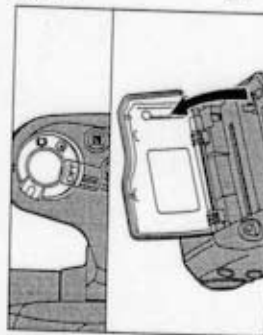
- MG-4S (4 MB)
- MG-8S (8 MB)
- MG-16S (16 MB)
- MG-16SW (16 MB, ID)
- MG-32S (32 MB)
- MG-32SW (32 MB, ID)
- MG-64SW (64 MB, ID)
- MG-128SW (128 MB, ID)



- Microdrives are actually very small and light hard disks. Because they are a spinning storage medium, they are less resistant to vibration and impacts than SmartMedia. If you are using a Microdrive, take great care not to expose the camera to vibration or impacts (particularly during recording or playback).
- The use of Ni-MH (nickel-metal hydride) batteries is recommended when using a Microdrive.
- See P.83 for more information on using Microdrive.

Some of CompactFlash™ cards may not work properly.

- 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 labeled as "3V" or "10".
- See P.83 for more information on using SmartMedia.

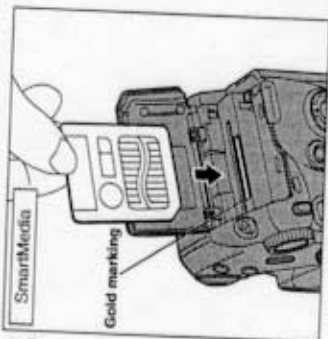


Set the Power switch to "OFF", check that the indicator lamp is off and then open the slot cover.

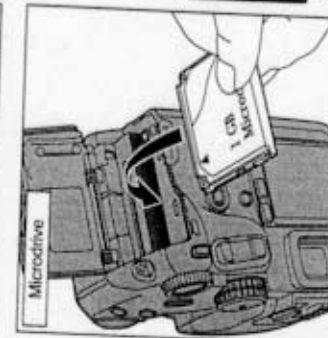
- If you open the slot cover while the camera is still switched on, the camera is switched off as a safety measure.

1

Getting Ready



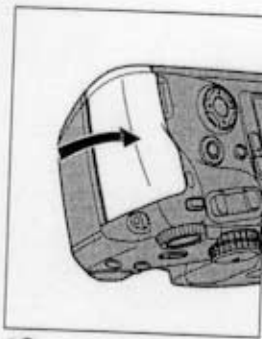
2



Push the SmartMedia firmly all the way into the SmartMedia slot.

Push the Microdrive firmly all the way into the Microdrive slot.

- Insert only the appropriate media types into the Microdrive and SmartMedia slots. Inserting the incorrect media will damage the camera and/or media.
- If the media is oriented incorrectly, it will not go all the way into the slot. Do not apply excessive force when inserting a SmartMedia or Microdrive.
- If the SmartMedia is not fully inserted into the slot, "CLEAN ERROR" is displayed.

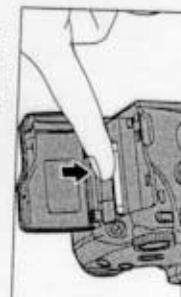


3

Close the slot cover

Replacing a SmartMedia

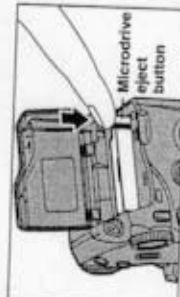
If you open the slot cover and push down lightly on the SmartMedia, it will pop out slightly and can then be easily removed.



- When storing SmartMedia, always use the special static-free case provided.

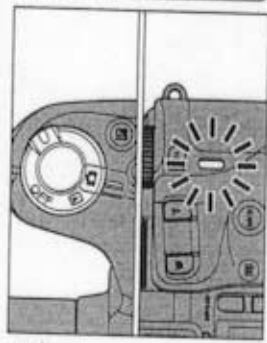
Replacing a Microdrive

Open the slot cover, press the Microdrive eject button and remove the Microdrive.



- When storing Microdrives, always use the special protective case provided.

SWITCHING ON AND OFF • SETTING THE DATE AND TIME



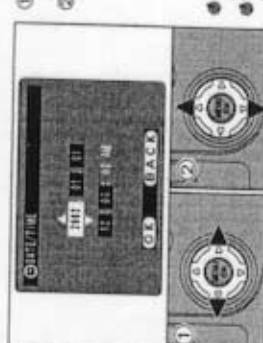
To switch the camera on, set the Power switch to "ON" or "OFF". When you switch the camera on, the indicator lamp lights green.
To switch the camera off, set the Power switch to "OFF".

When you select "ON" mode, the lens moves out. Take care not to obstruct the lens as it is a precision component.
Obstructing the lens will cause a malfunction or fault and the "C1200M (16MB)" or "C1000S (8MB)" message will appear. Take care, also not to get fingerprints on the camera lens as this will result in impaired image quality in your shots.



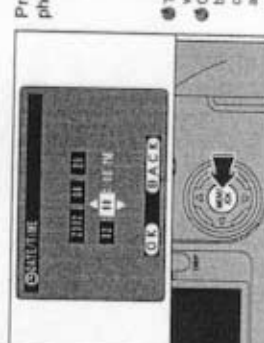
When you first switch the camera on, the date is cleared. Press the "MENU/OK" button to set the date and time.

- ① To set the date and time later, press the "BACK" button.
- ② If you do not set the date and time, this confirmation screen will appear each time you switch the camera on.



- ① Use "▲" and "▼" to select Year, Month, Day, Hour or Minute.
- ② Use "▲" and "▼" to correct the setting.

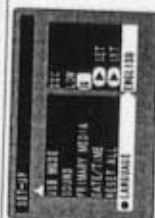
- ③ If you hold down "▲" or "▼", the numbers change continuously.
- ④ When the time displayed passes "12:00:00", the AM/PM setting automatically switches.



Press the "MENU/OK" button to switch to photography or playback mode.

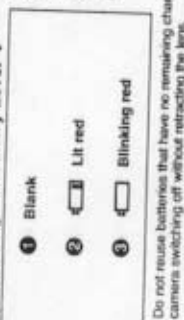
- ⑤ To set the time precisely, press the "MENU/OK" button when the time is at zero seconds.
- ⑥ Once the AC power adapter has been connected or the batteries have been installed for an hour or more, the camera will retain the specified date and time for approximately 10 days without power (with the batteries removed and AC power adapter disconnected).

Selecting the Language



You can use the "SET-UP" screen on this camera to select "ENGLISH", "FRANCAIS" or "DEUTSCH" as the "LANGUAGE" used for screen display (P.68). The screens in this manual are shown in "ENGLISH".

Checking the Battery Level



Check the battery level warning when you switch the camera on.

- ① The batteries are fully charged. (No indicator displayed.)
- ② The batteries are low on charge. Replace the batteries as they will run out shortly.
- ③ The batteries have no remaining charge. The display will shortly go blank and the camera will stop working. Replace the batteries.
- ④ Do not reuse batteries that have no remaining charge (□ blinking red) as this can result in faults such as the camera switching off without retracting the lens.

Auto Power Off Function

If the camera is not used in any way for approx. 30 seconds when the camera functions are enabled, this function temporarily switches features such as the LCD monitor 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. To switch the camera back on, set the Power switch to "OFF" briefly and then back to "ON" or "BT".

Number of Available Shots



The number of available shots is displayed on the screen.

- ⑤ See P.69 for information on changing the number of recorded pixels/Quality (compression ratio) setting.
- ⑥ The factory default settings set at shipment are 12 (Number of recorded pixels) and N (Quality, normal).

Standard Number of Shots for the Media

Because the amount of data needed to record an image varies slightly depending on the type of subject, the number of available shots may not decrease after an image is recorded, or may decrease by 2 in some cases. Also, the difference between the standard number of shots and the actual number of available shots increases for media with a higher capacity.

Number of recorded pixels	2832 × 2128			2048 × 1536			1280 × 960		
	HIGH	FINE	NORMAL	BASIC	FINE	NORMAL	FINE	NORMAL	NORMAL
Image File Size	Approx. 11MB	Approx. 2.4MB	Approx. 1.2MB	Approx. 480KB	Approx. 1.3MB	Approx. 620KB	Approx. 300KB	Approx. 150KB	Approx. 150KB
MG-45 (4MB)	0	1	3	8	2	6	12	30	81
MG-85 (8MB)	0	3	6	17	6	13	25	61	122
MG-165 (16MB)	0	6	13	33	12	26	50	122	247
MG-325 (32MB)	1	13	28	68	25	53	99	247	497
MG-645 (64MB)	3	26	56	137	50	107	204	398	997
MG-128 (128MB)	7	53	113	275	102	215	404	808	1779
Microdrive 1GB	19	147	311	765	279	589	1119	2239	4479
Microdrive 1GB	59	443	938	2190	842	1729	3458	6916	13831

* Number of available shots for formatted media.

●Flash release
To use the flash, press the flash pop-up button to release the flash.



●Photography mode selector
To use the flash, press the flash pop-up button to release the flash.



Still photography

- Auto (Auto mode)
- Scene Position
- Program Auto
- Shutter-priority Auto
- Aperture-priority Auto
- Manual mode

Movie photography

- Movie (video) mode

Self-up

- Self-up

●ON/OFF and Photography/Playback selector switch
You can use the ON/OFF switch to select the mode.



●Using the Zoom



Photography: Press T to zoom in (telephoto-angle). Press W to zoom out (wide-angle).
Playback: Press T to enlarge the image. Press W to revert to normal display.

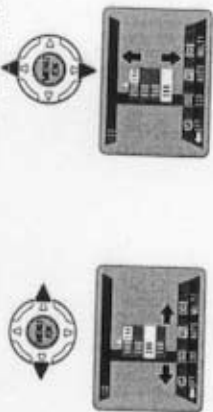
●Switching between the viewfinder (EVF) and the monitor (LCD)
Pressing the "EVF/LCD" button toggles between the viewfinder and the LCD monitor. Use whichever mode is best suited to your shot.



- Command dial
In photography mode, you can turn the Command dial to select program shift and specify settings such as the shutter speed and aperture.
- Exposure compensation
Hold down the "C" button and turn the command dial to select the setting.
- Flash
Release the pop-up flash, hold down the "F" button and turn the command dial to select the setting.
- Continuous shooting
Hold down the "S" button and turn the command dial to select the setting.

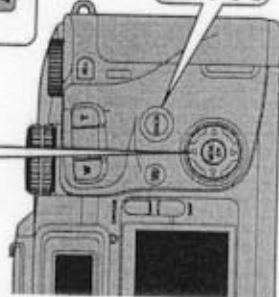


- Using the Menu
① Display the menu.
Press the "MENU/OK" button.
- ② Select a menu option.
Press the left or right arrow on the 4-direction button.
- ③ Select a setting.
Press the up or down arrow on the 4-direction button.
- ④ Confirm the setting.
Press the "MENU/OK" button.



Up, down, left and right are indicated by black triangles in the Owner's Manual. Up or down is shown as "▲▼", and left or right is shown as "◀▶".

●BACK button
Press this button when you want to cancel a procedure mid-way.



BASIC OPERATION

●Eyesight adjustment dial
Makes the image in the viewfinder easier to see. Set the dial to the position where the AF frame appears sharpest.

●Focus Check button
Pressing this button enlarges the central portion of the screen. Use this to focus the image precisely.

●DISP button Switches the screen display.

Text displayed	Text displayed
Photography mode	Playback mode
Framing guideline displayed	No text displayed
No text displayed	Multi-frame playback

●Focusing ring
Adjusts the focus. This can only be used for manual focusing.

●INFO button
Photography information is displayed while this button is pressed. Photography mode: Displays the current settings (ISO (sensitivity), sharpness, etc.)
Playback mode: Displays the information for the image currently displayed.

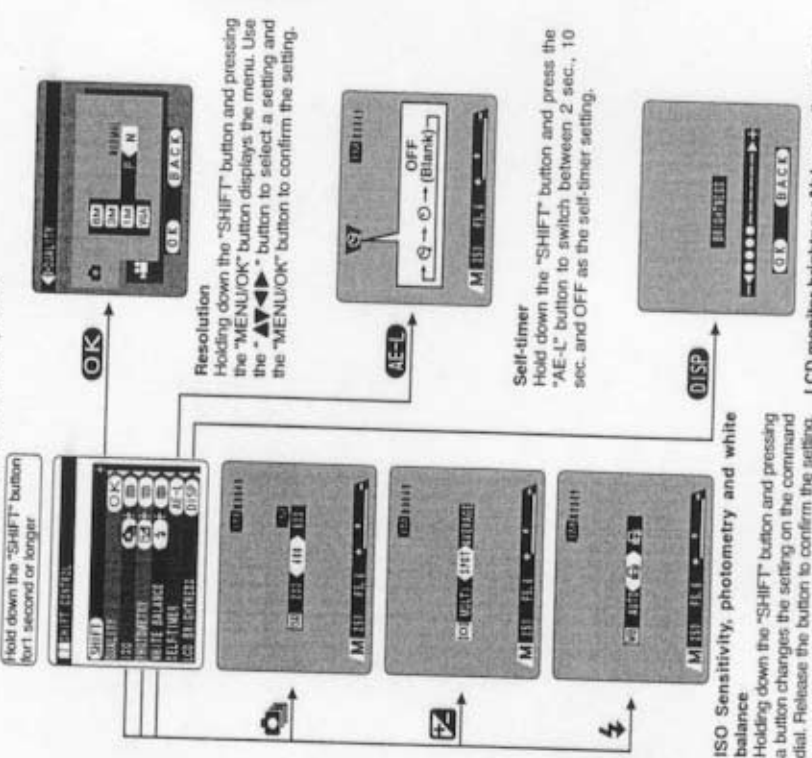
●SHIFT button
See following page.

●One-touch AF button
Uses the AF function to focus the image once. This can only be used for manual focusing.

●Focus mode selector switch
Switches between AF (auto focus) and MF (manual focus).

●Macro button
Use this for close-up photography. Pressing this button switches the modes as follows:
Macro → Super Macro → Macro off
Shooting range: Macro : 10 cm-80 cm (3.9 in.-2.6 ft.)
Super Macro: 1 cm-20 cm
Macro off : 50 cm (1.6 ft.) to infinity (wide-angle), 90 (3.0 ft.) cm to infinity (telephoto)

●SHIFT button
Holding down the "SHIFT" button for 1 second or longer displays the "SHIFT CONTROL" guide. By pressing one of the displayed button combinations, you can quickly and easily access the corresponding setting.
The functions you can access vary depending on the current mode. The example below shows the procedure for photography mode.



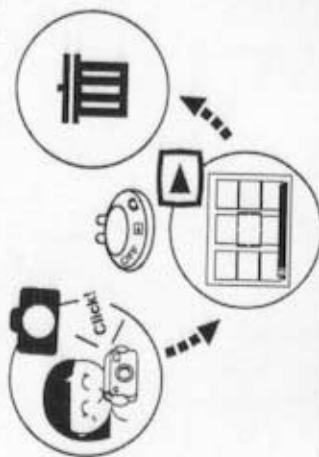
LCD monitor brightness/volume adjustment
Holding down the "SHIFT" button and pressing the "DISP" button displays the menu. Use the "▲▼" to select an option and "OK" to change the setting. Then press the "MENU/OK" button to confirm the setting.
Note that the volume can only be adjusted in Playback mode.

Refer to the page listed in the table below for details of the respective settings.

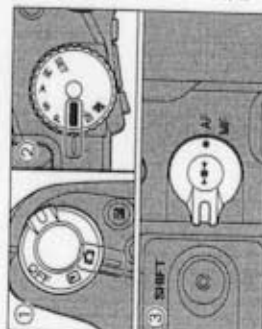
Number of recorded pixels	P69
Self-timer	P50
ISO Sensitivity	P51
Photometry	P54
White balance	P52

ACTUALLY TAKING PICTURES

You've read the chapter on getting ready and the camera is now set up and ready to take pictures. The Basic Photography section explains the three basic steps of "taking pictures", "viewing pictures" and "erasing pictures". Master the basic steps by actually trying them out on the camera as you go.



TAKING PICTURES (AUTO MODE)



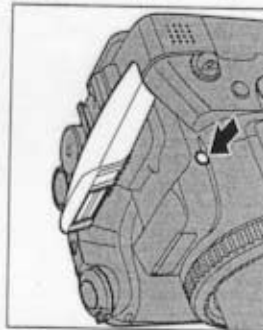
Set the Power switch ① to "ON" and the mode selector switch ② to "AF". Then set the focus mode selector switch ③ to "AF".

Shooting distance

Wide-angle: Approx. 50 cm (1.6 ft.) to infinity
Telephoto: Approx. 90 cm (3.0 ft.) to infinity

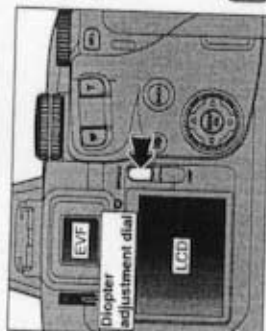
- Set the mode to Macro for close-up shots (see P.47).
- Check that the lens is not locked. If the lens is locked, see P.81 for instructions on how to clean it.

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



- If the "CLEANING" message appears, refer to P.84.
- If the flash popped up and was used to take a picture, the screen may go dark briefly while the flash is charging. At the same time, the indicator lamp flashes orange.
- If you use the flash while it is snowing or in very dusty conditions, the snowflakes or dust may reflect the flash and appear as white specks on the image.

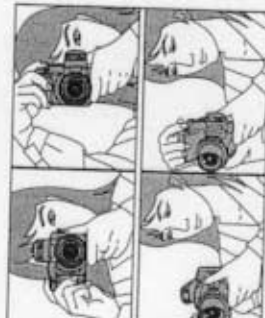
3



Each time you press the "EVF/LCD" button, display switches between the viewfinder (EVF) and the monitor (LCD). If the AF frame in the viewfinder (EVF) is difficult to see, adjust the viewfinder using the diopter adjustment dial.

The switched EVF/LCD setting is retained even if you change the mode or switch the camera off.

4

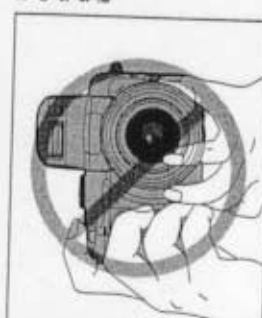


Brace your elbows against your body and hold the camera with both hands.

2

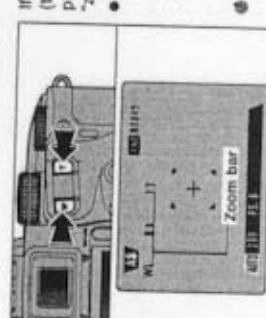
Basic Photography

5



Make sure that the strap or your fingers are not covering the lens, AF sensor, flash control sensor or microphone. The shot will not be taken successfully if any of these camera components is obscured by your fingers or by the strap.

6



If you want to zoom in on your subject, press "T" (telephoto). To widen the angle of your shot, press "W" (wide-angle). When you do this, the "zoom bar" is displayed on the screen.

- Focal length of the optical zoom (35 mm camera equivalent)
Approx. 35 mm-210 mm
Max. zoom scale: 6x

Zooming pauses briefly when it switches between optical zoom and digital zoom (see P.20). Press the same zoom button again to switch zoom modes.

TAKING PICTURES (AUTO MODE)

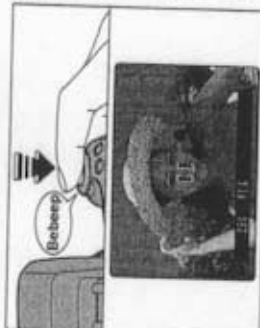
7



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. 25).

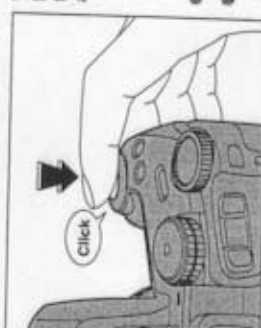
8



When you press the shutter button down halfway, the camera emits a short double-beep and focuses on your subject. At that point, the AF frame on the screen becomes smaller and the camera sets the shutter speed and aperture.

- The image shown on the screen before you take the shot may differ in its brightness, color, etc. from the recorded image to track it (→P. 27).
- If the camera does not emit a short double-beep and "1 MF" appears on the screen, the camera cannot focus.
- When you press the shutter button down halfway, the image on the screen becomes temporarily blurred. However, this image is not the recorded image.
- If "1 MF" is displayed on the screen (e.g. the shot is too dark for the camera to focus), try standing about 2 m (6.6 ft.) from your subject to take the picture.

9



When you keep the shutter button pressed down halfway and then press it down further (pressed fully), the camera makes a soft clicking sound and takes the picture.

- When the number of available shots is yellow, pictures cannot be taken until it turns white.
- If you press the shutter button down fully in a single motion, the AF frame does not change size and the camera does not beep when the picture is taken.

Indicator Lamp Display

Display	Status
Lit green	Ready to shoot (ready to shoot).
Blinking green	AF/AE operating or camera shake/AF warning (ready to shoot)
Blinking green and orange alternately	Recording data to the media (ready to shoot).
Lit orange	Recording data to the media (Not ready to shoot)
Blinking orange	Charging the flash (Flash will not fire)
Blinking red	Media-related warning The media is not loaded, is not formatted, is incorrectly formatted or has a write-protect sticker attached (SmartMedia). Media full. Media fault. ● Lens operation error.

* Detailed warning messages are displayed on the screen (→P. 84, 85).

USING AF/AE LOCK

1



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



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

3



Keep holding the shutter button down halfway (AF/AE lock). Check that the AF frame shrinks and that the shutter speed and aperture settings are displayed (the indicator lamp (green) changes from blinking to lit).

4



Continue to hold the shutter button down halfway (AF/AE lock). Move the camera back to the original image and then fully press down on the shutter button.

- You can apply 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.

AF/AE Lock

On the FinePix S602 ZOOM, when you press the shutter button down half way, the focus and exposure settings are fixed (AF/AE lock). If you want to focus on a subject that is off to one side of the image or if you want to set the exposure before you compose the final shot, lock the AF and AE settings and then compose and shoot your picture to get the best results.

- When you cannot focus and AF/AE lock does not give the correct exposure

Position the AF frame over the main subject and apply the AE lock (→P. 47). Then position the AF frame over another subject at roughly the same distance, press the shutter button down halfway, recompose the shot and then take the picture.

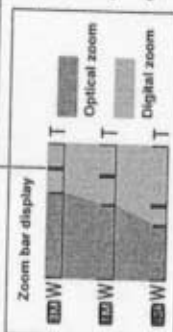
TAKING PICTURES (AUTO MODE)

DIGITAL ZOOM



The digital zoom can be used with the "D" and "O" number of recorded pixels settings.

- The digital zoom cannot be used with the "O" setting.
- See P.58 for information on changing the number of recorded pixels setting.
- If the shot goes out of focus during zooming, hold the shutter button down halfway to refocus the shot.



The position of the "I" indicator on the zoom bar shows the zooming status.

- The area to the right of the separator indicates digital zooming, while the area to the left indicates optical zooming.
- Pressing the zoom buttons moves the "I" indicator left or right.
- When zooming switches between digital and optical, the "I" indicator steps. Pressing the same zoom button again starts the "I" indicator moving again.

• Digital zoom focal lengths (35 mm camera equivalents)

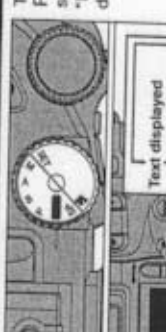
100: Approx. 210 mm-284 mm, max. zoom scale: 1.4x

200: Approx. 210 mm-462 mm, max. zoom scale: 2.2x

400: Approx. 210 mm-924 mm, max. zoom scale: 4.4x

• The optical zoom focal length is equivalent to approx. 35 mm-210 mm (35 mm camera equivalent).

BEST FRAMING



This function can be selected in the "P" • "S" • "A" and "M" photography modes. The screen display changes each time you press the "DISP" button. Press the "DISP" button to display the framing guideline.

- The framing guideline is not recorded on the image.
- The lines in the scene frame divide the recorded pixels into 3 roughly equal parts horizontally and vertically. When the image is printed, the resulting print may be shifted slightly from the scene frame.

Scene



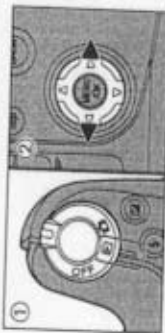
Use this frame with main subject positioned at the intersection of two lines or align one of the horizontal lines with the horizon.

This frame allows you to compose your own shots while remaining aware of the subject's size and the balance of the shot.

Important

Always use AF/AE lock when composing a shot. The image may not be focused correctly if you do not use AE/AF lock.

VIEWING YOUR IMAGES (PLAYBACK)



- 1 Set the Power switch to "E".
- 2 You can use "▶" to scan forward through your images and "◀" to scan backwards.
- 3 When you set the Power switch to "E", your last shot is played back.
- 4 If the lens is extended during playback, the lens automatically retracts as a protective measure if the camera is not used for approx. 30 seconds.



Fast-forwarding Through Your Images

You can scan quickly through your images by holding down "◀" or "▶" for approx. 1 seconds during playback.

2

• A bar is displayed as a rough guide to the location of the current image on the media.



Multi-frame Playback

The screen displayed changes each time you press the "DISP" button in playback mode. Press the "DISP" button until the multi-frame (9-frame) playback screen appears.

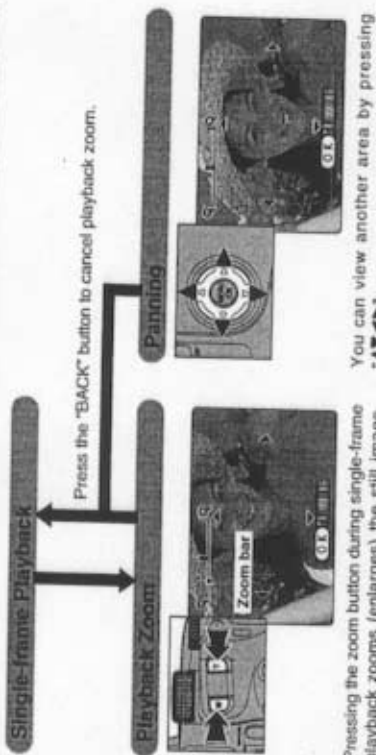


- 1 Use "▶" to move the cursor (orange frame) to the frame you want to select. Pressing "▶" or "◀" repeatedly switches to the next page.
- 2 You can display the current image enlarged by pressing the "DISP" button again.

Images That Can be Viewed on the FinePix S602 ZOOM

The FinePix S602 ZOOM can be used to view still images (excluding some uncompressed images) recorded on an FinePix S602 ZOOM or images recorded onto a 3.3V SmartMedia or Microdrive using a FUJIFILM FinePix series, MX series and DX series digital camera.

VIEWING YOUR IMAGES (PLAYBACK)



- Pressing the zoom button during single-frame playback zooms (enlarges) the still image. When you do this, a zoom bar is displayed.
- **Zoom scales**
 - 2832 x 2128 pixel images: Max. 18x
 - 2048 x 1536 pixel images: Max. 13x
 - 1280 x 960 pixel images: Max. 8x
 - 640 x 480 pixel images: Max. 4x
 - You cannot use multi-frame playback during playback zoom.



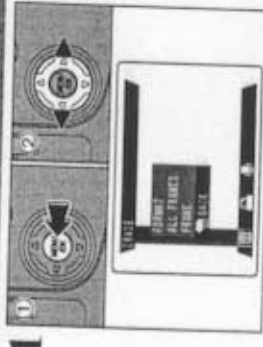
Check the size of the saved image and press the "MENU/OK" button. The trimmed image is saved as a separate file.

Number of recorded pixel

HD	suitable for printing (A5 size [8" x 8"] or smaller)
TV	suitable for printing (A6 size [4" x 6"] or smaller)
SD	The trimming option is displayed in yellow since the image quality is too poor for printing. * Because the number of recorded pixels is lower than 100,000, the trimming option is not displayed and trimmed images cannot be saved.

Erasing Images (Erase Frame)

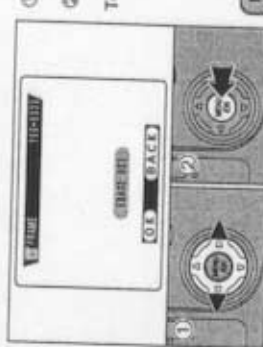
- 1 Press the "MENU/OK" button during playback to display the menu.
- 2 Press "←→" to select "ERASE".



- 2 Press "▲▼" to select "FRAME".
- 2 Press the "MENU/OK" button to confirm the selection. See P.62 for information on erasing all the "ALL FRAMES" and "FORMAT" (initializing).



- 1 Press "←→" to select the frame (file) to be erased.
- 2 Press the "MENU/OK" button to erase the displayed frame (file). To erase another image, repeat steps 1 and 2.



Note that erased images cannot be restored.

FOCUSING

The distance from the subject to the camera's CCD is referred to as the shooting distance. When the shooting distance is set correctly and the image appears sharp, the image is focused.

Two Focusing Methods: AF and MF

The mechanisms for focusing are AF (auto focus) and MF (manual focus).
AF: The camera automatically focuses on the subject in the AF frame. The camera focuses when you press the shutter button down halfway.

The AF Sensor

The FinePix S602 ZOOM uses an external AF sensor (external-light passive phase difference AF) that features faster AF operation than previous models. The external AF sensor does not operate in Macro or Super Macro mode, when the digital zoom or AFEA AF is used, or when "SET ADAPTER - YES" is specified. Focusing may take longer if the external AF sensor is soiled (P.86).

MF: Turn the focusing ring to focus the shot.

Causes of Focusing Errors and the Solutions

Cause	Solution
The subject is not in the AF frame.	Use AF lock (#1) or MF.
The subject is not suited to AF.	Use AF lock (#1) or MF.
The subject is outside the shooting range.	Switch Macro mode on or off (#2).
The subject is moving too quickly.	Use MF pre-setting the shooting distance for a shot (lock pin)

#1 Taking pictures using AF lock



Capture the subject

Recompose the shot and take the picture.

#2 Switching Macro mode ON/OFF



Subjects Not suitable for Auto Focus

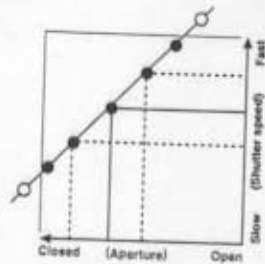
- Very shiny subjects such as a mirror or car body.
- Subjects photographed through glass.
- Subjects that do not reflect well, such as hair or fur.
- Subjects with no substance, such as smoke or flames.
- When the subject is dark.
- When there is very little contrast between the subject and the background (such as white walls or subjects dressed in the same color as the background).
- Subjects moving at high speed.
- When something other than your subject is close to the AF frame, has contrasting areas of light and dark and is either closer or further away than your subject (as when you photograph someone against a background with strongly contrasting elements).

EXPOSURE (APERTURE AND SHUTTER SPEED)

EXPOSURE

Exposure refers to the light that hits the CCD or the total amount of captured light and determines the brightness of the image.

The exposure is determined by the combination of aperture and shutter speed. In AE (automatic exposure), the camera automatically determines the correct exposure, allowing for factors such as the brightness of the subject and the ISO setting.



- The graph at left shows the way the aperture and shutter speed settings can be changed while maintaining the same exposure level.
- When the exposure is decreased by one stop, the shutter speed also decreases by one stop (the dot moves up and left).
 - When the exposure is increased by one stop, the shutter speed also increases by one stop (the dot moves down and right).
 - Combinations that result in the shutter speed or aperture being outside the available range of settings cannot be selected (white dots).
 - In the P, S and A photography modes, it is easy to select different settings along this line.
 - Selecting settings that run parallel to this line by adjusting the brightness of the photographed image is referred to as exposure compensation.

When You Cannot Get the Correct Exposure

AE lock: Determines and fixes the exposure at a target level. Use the following procedure to take a picture using AE lock:

- Press the "AE-L" button (sets and locks the exposure). → Press the shutter button down halfway (sets and fixes the focus).
- Press the shutter button down fully (takes the picture).

Exposure compensation

This function uses the exposure level set by the AE function as a reference (0) and then brightens (+) or darkens (-) the image. By selecting Auto Bracketing, you can shoot 3 frames, one underexposed (-), one at the reference exposure (0) and one overexposed (+).



Shutter Speed

By adjusting the shutter speed, you can either freeze the motion of a moving subject or blur the image to give the impression of movement.



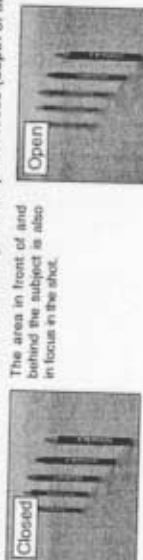
Freezes the motion of the subject.

Photographs the traces left by the subject's movement.

Aperture

By adjusting the aperture, you can change the depth of focus (depth of field).

The area in front of and behind the subject is also in focus in the shot.



The background is out of focus.