

 **FUJIFILM**

**digital**  
Tools for the Imagination.

*Digital Camera*  
**FinePix2400Zoom**

**2.1**  
MEGA  
PIXELS

**3X**  
OPTICAL  
ZOOM

Getting Ready **1**

Basic Photography **2**

Advanced Features **3**

Advanced Features  
Playback

Settings **5**

**OWNER'S MANUAL**

This manual will show you how to use your FUJIFILM DIGITAL CAMERA  
FinePix2400 ZOOM correctly. Please follow the instructions carefully.

BB11660-200(1)

**E**

## Warning

### 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.81) 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.  
Heisenstrasse 31  
40549 Dusseldorf, Germany

declare that the product

Product Name : DIGITAL CAMERA FUJIFILM FinePix2400 ZOOM  
Manufacturer's Name : Fuji Photo Film Co., Ltd.  
Manufacturer's Address : 28-30, Nishiazabu 2-chome, Minato-ku,  
Tokyo 106-8620, Japan

is in conformity with the following Standards

Safety : EN60950  
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).



Dusseldorf, Germany

Place

August 1, 2000

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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## 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.

- Fujifilm 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

- 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

Do not use this device in aircraft or hospitals. The use of this device in an aircraft or hospital can cause malfunctions in the control devices used in the aircraft or hospital.

### ■ 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 USA.
- iMac and Macintosh is a trademark of Apple Computer, Inc.
- MS-DOS and Windows are registered trademarks of the Microsoft Corporation of the U.S., registered in the USA 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.

## Camera Features and Accessories

### Features

- High-quality images from the 2.11-million-pixel CCD and high-resolution Fujifilm lens
- Records images at resolutions of up to 1600x1200 pixels
- Compact, lightweight body
- 1.6-inch color LCD monitor
- Wide-angle field of view with Macro
- Built-in automatic flash with precise wide-range flash control
- Manual photography mode that allows for further flexibility.
- Digital 2.5 X telephoto photography function and 4X playback zoom
- Simple operation using the mode switch and easy-to-use direction buttons (◀▶⏪⏩)
- Date and time recording/playback function
- Compatible with 3.3V, 2MB to 64MB SmartMedia
- USB connection for quick and easy image data transmission.
- Conforms to the new standard for digital camera file system\*
  - Design rule for Camera File system
  - Support for DPOF\* simplifies print ordering
  - DPOF stands for "Digital Print Order Format"

### Accessories

- LR6 AA-size alkaline batteries (4)
- Hand Strap (1)

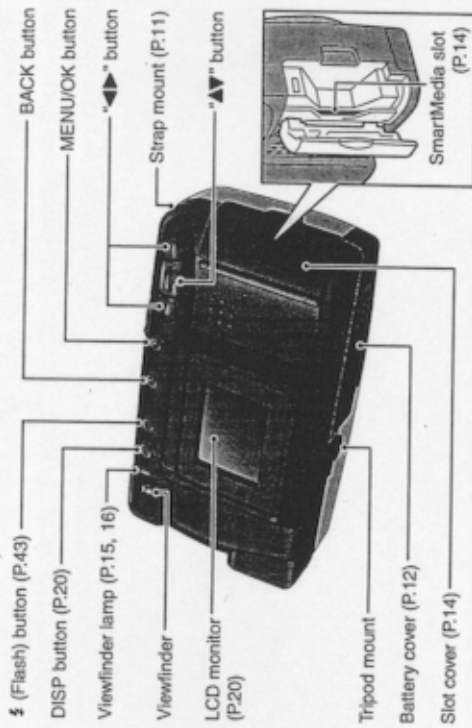
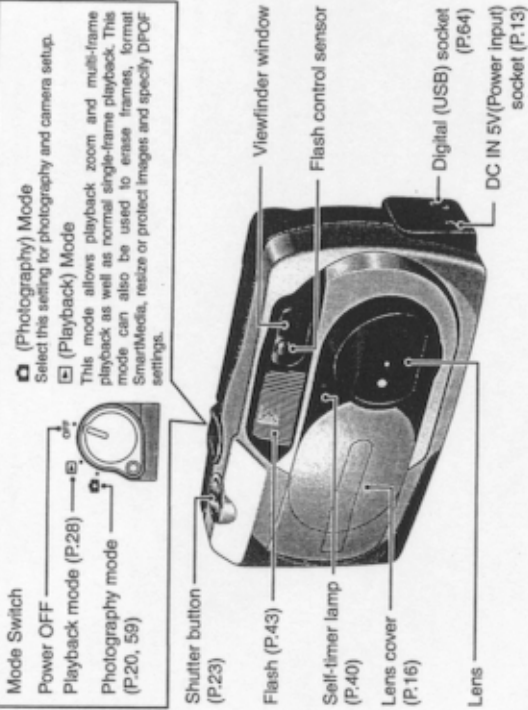


- SmartMedia (8MB, 3.3V) (1)  
Supplied with:
  - Anti-static case (1)
  - Index label (1)
- Interface Set (1)
  - CD-ROM (1)
  - USB Cable (1)
  - Quick Start Guide (1)
  - Noise Suppression core (1)
- Owner's Manual (this manual) (1)



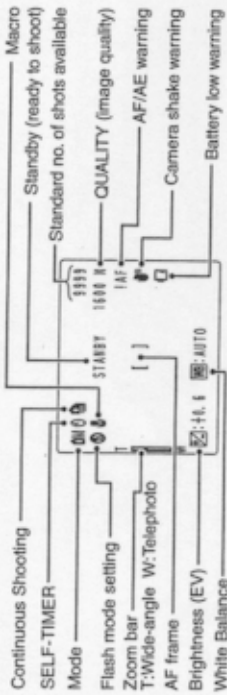
## Nomenclature

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

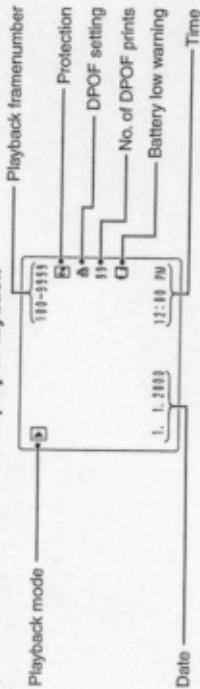


## Nomenclature

### Example of LCD Monitor Text Display : Shooting



### Example of LCD Monitor Text Display : Playback



## 1 Getting Ready

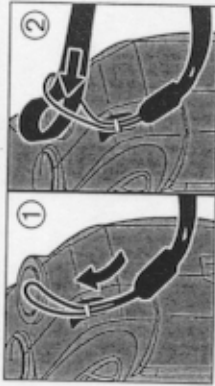
### PREFACE

#### Selecting the Language



You can use the Setup screen on this camera to select English or French as the language used for screen display (→P.59). The screens in this manual are shown in English.

#### Attaching The Strap



- 1 Pass the loop of thin cord on the end of the strap through the strap mount.
- 2 Then pass the other end of the strap through the loop of thin cord and pull the strap tight.

## SELECTING THE POWER SUPPLY

### Using Batteries

Use 4 AA-size alkaline, Ni-MH or Ni-Cd batteries. Do not use different types of batteries together.

- Number of available shots (with fully charged batteries)  
The table below provides a guide to the number of shots that can be taken at normal temperature with 50% flash use. Note that these figures may vary depending on the camera's ambient temperature and the level of battery charge.

Battery type	With LCD monitor ON	With LCD monitor OFF
Alkaline batteries	Approx. 150 frames	Approx. 300 frames
Ni-MH battery HR-3LJF	Approx. 150 frames*	Approx. 300 frames*
Ni-Cd battery KR-3LJF	Approx. 100 frames*	Approx. 230 frames*

\* With fully charged battery

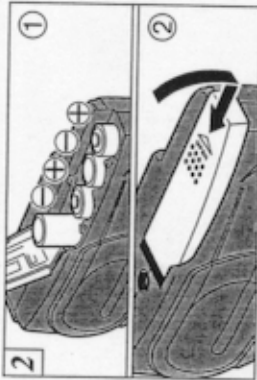
### Important Battery Information

- Because different brands of alkaline batteries have different capacities, the life of some batteries (the length of time for which they can be used) may be considerably shorter than that of the alkaline batteries supplied with this camera.
- It is a characteristic of alkaline batteries in particular that the life of the battery is shorter at low temperatures (+10°C or below).
- Do not use lithium or manganese batteries in your FinePic400 ZOOM because the heat generated by the batteries could damage the camera.



Slide the battery cover in the direction of the arrow and open the cover.

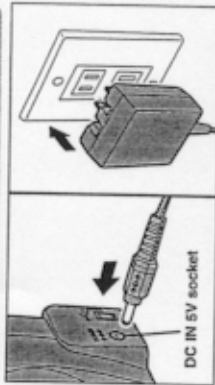
- Do not use new and used batteries together.
- Always switch the camera off when replacing the batteries. If the camera is left on, the camera settings may revert to the factory default settings.
- Install replacement batteries within 5 minutes, since the camera settings are only retained for 5 minutes once the batteries are removed.
- The Quick Battery Charger (sold separately) is needed to recharge AA-size Ni-MH or Ni-Cd batteries (→P.66).



- Install the batteries with the correct polarity as shown.
- Close the battery cover as indicated by the arrow.

- Do not use excessive force on the battery cover.
- Take care not to drop the batteries when you open or close the battery cover.

### Using the AC Power Adapter



To shoot or play back images without depleting the battery charge, use the special AC Power Adapter AC-5V (sold separately). Check that the camera is switched off and then plug the AC power adapter connector into the "DC IN 5V socket" on the camera. Then plug the AC power adapter into the power outlet.

- You cannot charge the batteries by connecting the AC power adapter.
- The shapes of the plug and socket-outlet depends on the country of use.
- Using AC power adapters other than the AC-5V could damage the camera.
- See P.71 for more information on the AC power adapter.

## Accessories Guide

▶ The optional accessories (sold separately) can make taking pictures with the FinePix2400 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/SW : 16MB, 3.3V
- MG-32S/SW : 32MB, 3.3V
- MG-64S/SW : 64MB, 3.3V
- Some 3.3V SmartMedia are labelled as "3V" or "1D" cards.



### ● AC Power Adapter AC-5V/5VH

Use the AC-5V when taking pictures for a long period of time or when the FinePix2400 ZOOM is connected to a personal computer.

- The Shapes of the AC power adapter, the plug and socket outlet depend on the country.



### ● Fujifilm Rechargeable Battery 2HR-3UF

The 2HR-3UF includes 2 pieces of high-capacity AA-size Nickel Metal Hydride batteries.



### ● Fujifilm Rechargeable Battery 4KR-3UF

The 4KR-3UF includes 4 pieces of high-capacity AA-size Ni-Cd batteries.



### ● Fujifilm Battery charger with Battery BK-NH (AC 220V only)

The BK-NH includes the quick battery charger BCH-NH and 2 Ni-MH batteries. The BCH-NH can charge 2 Ni-MH batteries in approximately 110 minutes. Up to 4 Ni-MH or Ni-Cd batteries can be charged simultaneously.



## Accessories Guide

### ● 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	Windows95/98, NT 4.0 Macintosh	5V/3.3V, 2MB to 32MB
FD-A2		5V/3.3V, 2MB to 64MB



### ● 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.



### ● 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.

- Windows98 or Power Macintosh with USB interface.



### ● SC-FX4

This case can be used when carrying the camera to protect it from dust, dirt and mild impacts.



## Explanation of Terms

### AF/AE Lock:

On this camera, pressing the shutter button down halfway locks the exposure settings (AF/AE lock). If you want to change the composition of your shot after you set the exposure, you can get excellent results by using AF/AE lock before you compose your shot and take the picture.

### Auto Power Off Function:

If the camera is not used in any way for two minutes or more, the Auto Power Off function switches the camera off. This is to prevent battery depletion and to avoid wasting power when the camera is connected to the AC power adapter. Auto Power Off does not operate when the Auto Power Off function is disabled or a USB connection is used.

### 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.

### White Balance:

Regardless of the type of lighting, the human eye adapts so that a white object still looks white. On the other hand, devices such as digital still cameras register a white subject as white by first adjusting their internal color balance to match the color of the ambient light around the subject. This adjustment process is referred to as matching the white balance. A function that automatically matches the white balance is called an **auto 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.80) 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 FinePix2400 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 the viewfinder lamp is lit orange or flashing orange, this indicates that data access is in progress. 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.
- **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

### Applicable Batteries

- AA-size alkaline, Ni-MH (nickel metal hydride), or Ni-Cd batteries can be used with this camera.
- Do not use AA-size manganese or lithium batteries in your FinePix2400 ZOOM because the heat generated by the batteries could damage the camera or cause malfunctions.
- Because different brands of alkaline batteries have different capacities, the life of some batteries (the length of time for which they can be used) may be considerably shorter than that of the alkaline batteries supplied with this camera.

### Notes on the Batteries

- Incorrect use of the batteries could cause them to leak, become hot, ignite or burst. Always observe the precautions given below.
- Do not heat the batteries or throw them into a fire.
  - Do not carry or store a battery with metal objects such as necklaces or hairpins that could come into contact with the metal positive (+) and negative (-) poles of the battery.
  - Do not expose the batteries to fresh or sea water, and take particular care to keep the terminals dry.
  - Do not attempt to deform, disassemble or modify the batteries.
  - Do not attempt to peel off or cut the battery casing.
  - Do not drop, strike or otherwise subject the batteries to strong impacts.

- Do not use batteries that are leaking, deformed, discolored or exhibit any other obvious abnormality.
- Do not store batteries in very warm or moist locations.
- Keep the batteries out of the reach of babies and small children.
- When loading the batteries in the camera, ensure that the battery polarity (+ and -) is as indicated on the camera.
- Do not use new batteries together with used batteries. In the case of rechargeable batteries, do not use charged and discharged batteries together. Do not use batteries of different types or brands together.
- If you do not intend to use the camera for a long period of time, remove the batteries from the camera. (Note that if the camera is left with the batteries removed, the time and date settings are cleared.)
- The batteries may feel warm immediately after being used. Before removing the batteries, switch the camera off and wait until the batteries cool down.
- When replacing the batteries, always fit 4 new batteries. Here, 'new batteries' refers to either recently purchased unused alkaline batteries, or Ni-Cd or Ni-MH (nickel metal hydride) batteries that have recently been fully recharged together.
- Battery performance deteriorates at low temperatures (+10°C or below) and the time for which they can be used shortens. This is particularly true of alkaline batteries. In cold conditions, put the batteries in your pocket or a similar place to warm them before loading them into the camera. If you use a body warmer to warm the batteries, ensure that they are not in direct contact with the warmer.

⚠ If any liquid at all leaks from the batteries, wipe the battery compartment thoroughly and then add new batteries.  
⚠ If any battery fluid comes into contact with your hands or clothing, flush the area thoroughly with water. Note that battery fluid can cause a lot of eye-sight if it gets in your eyes. If this occurs, do not rub your eyes. Flush the fluid out with clean water and contact your physician for treatment.

### Disposing of Batteries

When disposing of batteries, do so in accordance with your local waste disposal regulations.

### Notes on Small Rechargeable Batteries (Ni-MH or Ni-Cd batteries)

- Always use the special battery charger to charge AA-size Ni-MH or Ni-Cd batteries. Charge the batteries as described in the instructions provided with the battery charger.
- Do not use the battery charger to charge batteries other than those specified for use with the charger.
- Note that the batteries may feel warm immediately after being charged.
- Ni-MH and Ni-Cd batteries are not charged at shipment. Be sure to charge the batteries before using them.
- The camera mechanism is such that it draws a minute amount of current even when the camera is switched off. Take particular care not to leave Ni-MH or Ni-Cd batteries in the camera for a long period of time as they can become excessively discharged and no longer be usable even when recharged.

- Ni-MH and Ni-Cd batteries self-discharge even when not used. Always charge Ni-MH and Ni-Cd batteries before using them. If the time for which a battery provides power shortens markedly when it has been correctly charged, this indicates that the battery has reached the end of its effective life and should be replaced.

### Notes on Using the AC Power Adapter

Always use the AC-5V AC Power Adapter AC-5V (sold separately) with the FinePix2400 ZOOM Digital Camera. The use of an AC power adapter other than the AC-5V could result in damage to your camera.

- Ensure that you do not touch the contact areas on the AC power adapter against any other metal object as this could cause a short circuit.
- Do not plug the AC power adapter into the DIGITAL socket as this could damage your camera.
- Do not plug in the AC power adapter while you are operating the camera using batteries. Switch the camera off first.
- Do not load the batteries while you are operating the camera using the AC power adapter. Switch the camera off first.
- If you disconnected the AC power adapter when there are no batteries in the camera, the date may be cleared. If this occurs, reset the date.

## Notes on the SmartMedia™

### ■ SmartMedia

The SmartMedia card supplied with your FinePix2400 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 FinePix2400 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.
- Be careful 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, therefore 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-protected 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 X 45 X 0.76mm (1.45 X 1.77 X 0.03in.) (W X H X D)

# Specifications

## System

- Model
- Digital camera
- Pickup elements
- 1/2.7-inch square pixel CCD (2.11 million pixels)
- Image File Size
- 1,600 x 1,200 pixels / 1,280 x 960 pixels / 640 x 480 pixels
- File format
- DCF-compliant (Exif Ver. 2.1 JPEG-compliant), DPOF-compatible
- Viewfinder
- Real Gelatio type ; Frame coverage : 80%
- Lens
- Fujinon optical 3X-ZOOM lens F3.5/F8.7
- Storage media
- SmartMedia (3.3V)
- Number of frames recorded
- Focus distance
- f = 6 - 18 mm (equivalent to 36 - 114 mm on a 35 mm camera)

- Exposure control
- 64 zones TTL metering, Program AE (exposure compensation available in Manual mode)
- Sensitivity
- Equivalent to ISO 100
- White balance
- Auto-selected (7 modes selectable in Manual mode)
- Focal range
- Normal : Approx. 0.8 m / 31.5 in. to infinity
- Macro : Approx. 10 cm / 3.9 in to 80 cm / 31.5 in.
- Shutter speeds
- Variable-speed, 1/2 to 1/750 sec. (combined with mechanical shutter)
- Flash (Auto flash using flash control sensor)
- Effective range : Wide Approx. 0.2 - 3.0 m (7.9 ft - 9.8 ft)
- : Tele Approx. 0.8 - 3.0 m (2.6 in - 9.8 ft)
- : Auto, Red-Eye Reduction, Forced Flash, Suppressed Flash, Slow Synchro

Pixel	1,600 X 1,200		1,280 X 960		640 X 480	
	FINE	NORMAL	FINE	NORMAL	FINE	NORMAL
Quality Mode	Approx. 1/5	Approx. 1/10	Approx. 1/4	Approx. 1/8	Approx. 1/8	Approx. 1/8
Compression Ratio	Approx. 760KB	Approx. 310KB	Approx. 200KB	Approx. 310KB	Approx. 90KB	Approx. 90KB
Image Data Size	4	9	6	12	44	44
4MB (MG-4S)	10	19	12	24	89	89
6MB (MG-6S)	20	39	25	49	163	163
16MB (MG-16S/SW)	41	79	50	99	330	330
32MB (MG-32S/SW)	82	159	101	196	663	663
64MB (MG-64S/SW)						

- LCD monitor
- 1.8-inch, 55,000-pixel D-TFD
- Self-Timer
- 10 sec. timer clock

## Input/Output Terminals

- 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:
  - 4AA-size alkaline batteries
  - 4AA-size Ni-MH (nickel metal hydride) batteries (sold separately)
  - 4AA-size long-life (Minimum 1,000mAh) Ni-Cd (nickel-cadmium) batteries (sold separately)
  - AC-SV AC Power Adapter (sold separately)
- No. of available shots using battery (battery life)

Battery type	With LCD monitor		With LCD monitor	
	ON	OFF	ON	OFF
Alkaline batteries	Approx. 150 frames	Approx. 300 frames	Approx. 150 frames	Approx. 300 frames
Ni-MH battery	Approx. 150 frames*	Approx. 300 frames*	Approx. 150 frames*	Approx. 300 frames*
HR-3L/F	Approx. 100 frames*	Approx. 230 frames*	Approx. 100 frames*	Approx. 230 frames*
Ni-Cd battery	Approx. 100 frames*	Approx. 230 frames*	Approx. 100 frames*	Approx. 230 frames*
KR-3L/F	Approx. 100 frames*	Approx. 230 frames*	Approx. 100 frames*	Approx. 230 frames*

\* With fully charged battery

- 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)
- 125 X 65 X 39 mm / 4.9 X 2.6 X 1.5 in. (not including accessories and attachments)
- Camera mass (weight)
- Approx. 250 g / 8.8oz (not including accessories, batteries or SmartMedia)
- Weight for photography
- Approx. 350 g / 12.3oz (including batteries and SmartMedia)
- Accessories
- See P.7
- Optional Accessories
- See P.66, 67

\* 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.