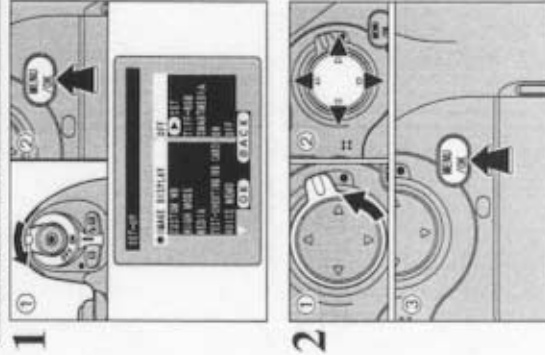


■ SET-UP Menu Options

Setting	Display	Factory	Details
PREVIEW	OFF/ON/PREVIEW/ PREVIEW	OFF	Use this setting to specify whether previews of photographed images are displayed for checking. See P.90 for details.
CUSTOM WB	☐ EXE	—	Use this setting to specify an the correct white balance setting for a light source. See P.91 for details.
HIGH mode	TIFF-RGB/ CCD-RAW	TIFF-RGB	When "HIGH" is specified as the Quality setting, use this setting to specify the file format used.
MEDIA	SmartMedia/ CF Type II	SmartMedia	Use this setting to specify the media used when a SmartMedia and a Microdrive are loaded in the camera.
TEST-SHOOTING	OFF/ON	ON	Set this option to ON to allow the shutter to be released when there is no media in the camera.
VOICE MEMO	OFF/ON	OFF	See P.93 for details.
FRAME No.	RENEW/CONT.	OFF	See P.94 for details.
PC MODE	194/DOWNLOADING/ USB/DOWNLOADING/ 194-SHOOTING	194 DOWN LOADING	See P.100-102 for details.
BEEP ?	LOW/HIGH/OFF	LOW	Use this setting to set the volume of the beep emitted when the camera controls are used.
LANGUAGE	JAPANESE/ ENGLISH/ FRANCAIS/ DEUTSCH	ENGLISH	Use this setting to specify the language used for LCD monitor display.
DATE/TIME	☐ EXE	—	See P.24 for details.
RESET ALL	☐ EXE	—	Use this setting to reset all the settings in the SET-UP menu other than DATE/TIME and CUSTOM WB.

■ Setup operations



5 Setup

Always switch the camera off when you replace the batteries. If you open the battery cover or disconnect the AC power adapter without switching the camera off, the camera settings may revert to the factory default settings set at shipment.

- 1 Switch the camera on and select Photography mode.
- 2 Press the "MENU/OOK" button to display the SET-UP screen.

Press "▶" for the "CUSTOM WB", "DATE/TIME" and "RESET ALL" settings.

When you have finished using the menu, lock the 4-direction button to prevent accidental use.

5 PLAYBACK MENU

■ LCD BRIGHTNESS

- 1 Press the "MENU/OOK" button to select Playback mode.
- 2 Unlock the 4-direction button.

When you have finished using the menu, lock the 4-direction button to prevent accidental use.

- 1 Press the "MENU/OOK" button to display the menu screen.
- 2 Use "◀▶" to select "B":.

- 1 Pressing the "MENU/OOK" button displays the monitor brightness setting screen.
- 2 Press "◀" or "▶" to adjust the monitor brightness.

- ◆ Brightness adjustment checking bar
- You can specify whether or not the brightness adjustment checking bar is displayed in the brightness setting screen.



## SET-UP

### IMAGE DISPLAY

This setting allows you to specify whether the resulting image is displayed after you take a shot.

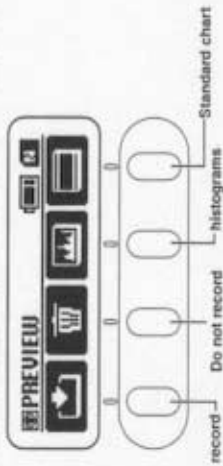
**OFF** : The photographed image is automatically recorded without being displayed.

**POSTVIEW** : The photographed image is displayed for about 2 seconds and is then automatically recorded.

**PREVIEW** : The photographed image is displayed so that you can check the image and choose whether to record it.

**PREVIEW**: A preview that includes the histogram is shown.

### Using the Preview Function



#### Preview zoom

Unlock the 4-direction button and press **▲** or **▼** to zoom in or out.

To view another part of the image, press the **◀** button and then use the **▲**, **▶**, **▲**, and **▼** buttons to move around. To return to zoom mode, press the **⊙** button again.



#### Histogram

Pressing this button displays the histogram.

The display changes in a cycle from **MASTER** → **R** → **G** → **B** each time the button is pressed.

See P.77 for more information on histograms.



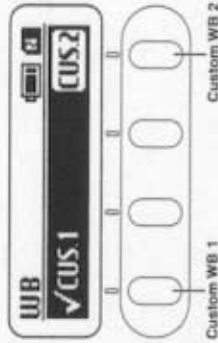
#### Standard chart

A "gray scale" is displayed in the upper part of the LCD monitor and a "color bar" is displayed in the lower part. You can check the brightness and color tones of the image by comparing the image with the colors in the bars.

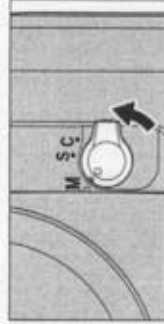
### SETTING THE CUSTOM WB

1 Use this function to set the correct white balance for a light source. You can also use this function to achieve a desired special effect.

Press the **F1** (custom WB 1) button or the **F4** (custom WB 2) button to select the custom white balance you want to set.



2



Turn the focus mode selector switch to **"M"** (Manual focus) and set the focus manually.

The camera's auto focus function may be unable to focus on a subject such as a white sheet of paper, which will prevent the shutter from operating.

3



Set the exposure mode to **"P"**, **"S"** or **"A"**.

While a custom white balance can also be measured in **"M"** mode, the image may be extremely overexposed or underexposed so that the optimum measurement is not taken.

4



Hold up a page of white paper or a similar object under the target light source so that the paper fills the viewfinder screen. Then press the shutter button to set the custom white balance.

• Range of custom WB settings

Color temperatures from approx. 2800 K to 9500 K

The white balance setting is not applied to the image on the screen.

**Example**

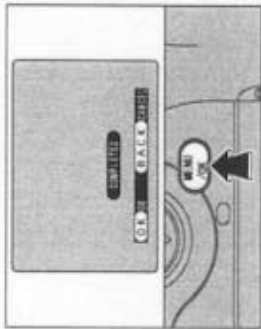
You can deliberately change the white balance in photographed images by using colored paper instead of white paper.

5

Setup

## SET-UP

5 If the exposure is measured correctly, "COMPLETED" appears on the LCD monitor. Press the "MENU/OK" button to confirm the setting.



- After you take a photograph, you should check the color tones (white balance) in the image.
  - Select "PREVIEW" as the photographed image display option (P.50) in the SET-UP screen.
  - Press the "MENU/OK" button (P.34).
- When you have finished setting the white balance, select the focus mode you want to use.

### When the exposure is not measured correctly

	Use
TOO BRIGHT	The subject is too bright. Use a negative (-) exposure compensation value and set the white balance again.
TOO DARK	The subject is too dark. Use a positive (+) exposure compensation value and set the white balance again.
OUT OF RANGE	Because the exposure is outside the range of valid custom white balance settings, the maximum (or minimum) value has been set. <ul style="list-style-type: none"> <li>Available custom WB settings: Color temperatures of approx. 2800 K to 9500 K</li> </ul>

## VOICE MEMO

If you set the Voice Memo option to "ON", the "MEMO" icon appears on the rear display panel. Immediately after you take the shot, you can add a voice memo (comment) up to 30 seconds long to the image.

- Recording format: WAVE (P.121)  
PCM recording format
- Audio file size: Approx. 240 KB (for a 30 seconds recording)
- The recording time may be shorter, depending on the amount of space available on the media.

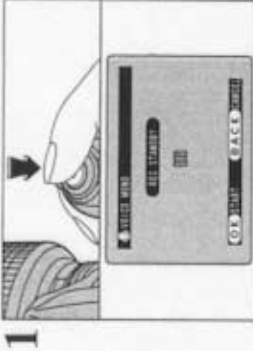
Recorded voice memos cannot be played back on the camera. To play back a voice memo, use a computer with the bundled FireFixViewer application installed.

### Recording procedure

Set the release mode to "B" (Single-frame) and take the picture. "REC STANDBY" appears on the screen.

- Voice memos cannot be recorded in the "C" (Continuous shooting) release mode.
- If you do not want to record a comment, press the "BACK" button (P.10) on the left of the 4-direction button.
- The LCD monitor switches off again when recording ends.

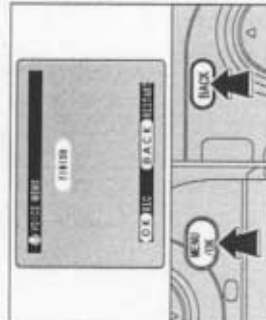
When recording the voice memo, speak into the microphone (P.10) on the left of the 4-direction button. For best results, position the microphone about 20 cm away from your mouth during recording.



2



3



Press the "MENU/OK" button to begin recording. The remaining time and an elapsed time progress bar are shown on the LCD monitor during audio recording.

- The recording time may be shorter, depending on the amount of space available on the media.
- To end recording mid-way, press the "MENU/OK" button.

After 30 seconds of recording, "FINISH" appears on the screen.

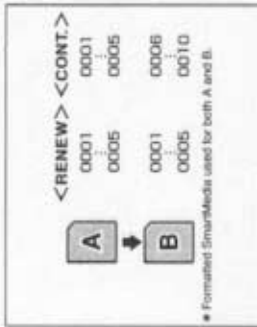
To end recording: Press the "MENU/OK" button. To record the comment again: Press the "BACK" button.

5

Setup

**FRAME NO. MEMORY**

Use this feature to manage the file numbers for frames you have shot. Setting this function to "ON" is useful as a way of ensuring that the file names for images recorded on a computer are not duplicated.

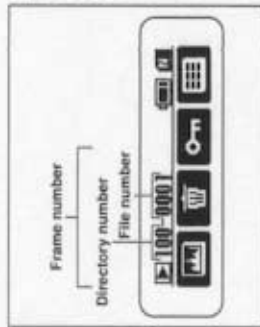


**RENEW:** Pictures are stored on each media beginning with a file number "0001".  
**CONT. :** Pictures are stored beginning from the highest file number stored on the last media used.

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

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.

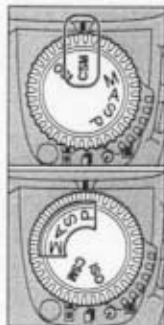
- ☞ When you change the media, always switch the camera off before you open the media slot cover. If you open the slot cover without switching the camera off, the frame number memory will not function.
- ☞ File numbers run from 0001 to 9999. Once 9999 is exceeded, the directory number changes from 100 to 101. 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.
- ☞ The frame number is reset if the camera is left for a long period with the batteries removed (Settings are retained for roughly 6 months, once the batteries have been recharged for 2 days or more).



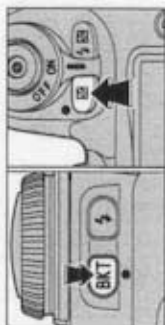
**TWO-BUTTON RESET**

Two-Button Reset lets you instantly reset specified settings to their original initial settings.

Set the exposure mode dial to "P", "S", "A", "M" or "CSMF" and select the settings to be reset.



Exposure mode dial "P", "S", "A", "M"	Reset Settings
The photography functions are reset as shown below.	
Function	Condition
Focus area	Centre
Flexible Program	Cancelled
Exposure compensation	Cancelled
Auto Exposure Lock	Cancelled
Auto Exposure Bracketing	Cancelled
Flash Sync mode	Front-curtain sync
Flash exposure compensation	Cancelled
"CSMF"	<ul style="list-style-type: none"> <li>• All the custom settings are reset.</li> <li>• The ISO sensitivity is reset to 200.</li> </ul>



Hold down the "BKT" and "OK" buttons together for at least 2 seconds (green markings are positioned alongside).  
 The top display panel flashes briefly and the settings are reset.

3 When the reset is finished, set the exposure mode dial to a setting other than "CSMF".

## CUSTOM SETTING (CSM)

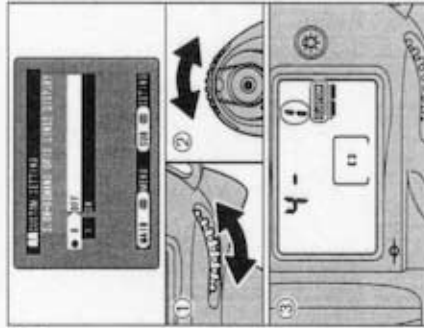
The custom settings allow to modify camera functions such as how information is displayed in the viewfinder and which functions are assigned to which buttons.

1



Set the exposure mode dial to "CSM".

2



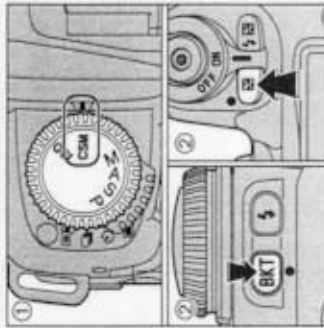
- ① Turn the main-command dial to select an option.
- ② Turn the sub-command dial to change the setting.
- ③ "OFF" appears on the top display panel.

3

When you have finished the settings, set the exposure mode dial to a setting other than "CSM".

⚠ The custom settings are retained when the camera is switched off.

## Canceling custom settings



- ① Set the exposure mode dial to "CSM".
  - ② Hold down the "C" and "M" buttons together for at least 2 seconds (green markings are positioned alongside). The top display panel flashes briefly and the settings are reset.
- All the custom settings are reset to their default values.
  - The ISO sensitivity is reset to 200.

## Custom Settings List

No.	Setting	Display	Details
1	BRACKETING ORDER	0: METERED VALUE → OVER (default) 1: UNDER → METERED VALUE → OVER	Allows you to change the compensation sequence when auto exposure bracketing is used.
2	ON-DEMAND GRID LINES DISPLAY	0: OFF (default) 1: ON	If you display the framing guides, you can use the intersections of the horizontal and vertical lines to position your main subject in the shot or align one of the horizontal lines with the horizon. This allows you to compose the desired shot while monitoring the subject's size and the balance.
3	ILLUMINATION FOR FOCUS AREA	0: AUTO (default) 1: OFF 2: ON	Specifies the illumination used for the focus area in the viewfinder.
4	FOCUS AREA SELECTION	0: NORMAL (default) 1: ENABLES ROTATION	Selecting cyclic focus area selection allows you to select the opposite focus area without changing which part of the 4-direction button you have to press.
5	AE LOCK	0: DISABLED (default) 1: ACTIVATED	This setting lets you apply AE lock by pressing the shutter button down halfway.
6	LONG EXP. (BULB) AT MANUAL MODE	0: DISABLED (default) 1: ACTIVATED	Select "1" to take bulb flash shots in the "M" exposure mode.
7	CLOSEST-SUBJECT. PRIORITY DYNAMIC AF AT S-AF MODE	0: ENABLED (default) 1: DISABLED	If you select "1", Closest-subject Priority Dynamic AF is not used in AF-S mode.
8	CLOSEST-SUBJECT. PRIORITY DYNAMIC AF AT C-AF MODE	0: DISABLED (default) 1: ENABLED	If you select "1", Closest-subject Priority Dynamic AF is used in AF-C mode.
9	AE/AF LOCK BUTTON	0: AE/AF LOCK (default) 1: AE LOCK ONLY 2: AF LOCK ONLY 3: AE REMAINS LOCKED 4: AF OPERATION	Normally, AE lock (exposure recording) and AF lock (focus lock) are both applied concurrently when you press the "AE-L/AF-L" button. However, this can be changed so that only AE lock or only AF lock is applied, or so that that the AE lock status is maintained. If the AE/AF lock is used with the "Maintain AE lock" setting, pressing the "AE-L/AF-L" button again or releasing the shutter cancels the lock. In addition, though the auto focus (AF) normally operates when the shutter button is pressed down halfway, you can change this so that AF operates when the "AE-L/AF-L" button is pressed. (In this case, AF does not operate when the shutter button is pressed down halfway.)
10	COMMAND DIAL FUNCTIONS	0: DISABLED (default) 1: ENABLED	Use this setting to change the main command dial and sub-command dial operation during photography. 0: Main: Changes the shutter speed. Sub: Changes the aperture. 1: Main: Changes the aperture. Sub: Changes the shutter speed.
11	MULTIPLE EXPOSURE	0: SINGLE SHUTTER RELEASE (default) 1: CONTINUOUS SHUTTER RELEASE	Changing this setting allows you to use continuous shooting for multi-exposure shots.

## CUSTOM SETTING

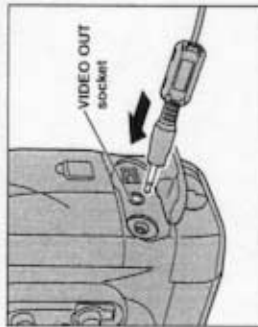
No.	Setting	Display	Details
12	AUTO POWER OFF	0: OFF 15: 15 SEC. (default) 2: 2 MIN. 5: 5 MIN.	Sets the delay time until the Auto Power Off function operates.
13	SELF-TIMER DURATION	2: 2 SEC. 5: 5 SEC. 10: 10 SEC. (default) 20: 20 SEC.	Sets the running time for the self timer.
14	LCD ILLUMINATION	0: OFF (default) 5: 5 SEC. 15: 15 SEC.	Allows you to change the settings so that the LCD illumination lights when buttons are used.
15	AF-ASSIST ILLUMINATOR	0: ON (default) 1: OFF	Allows you to prevent the built-in auxiliary AF light from operating. Note that this may prevent the auto focus from successfully setting the focus in some cases.

## CONNECTING TO A TV/ USING THE AC POWER ADAPTER (OPTIONAL)

### 6 Connection

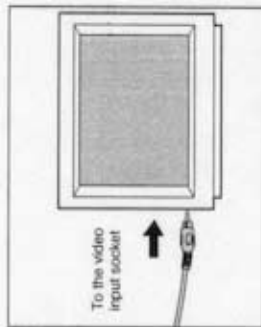
#### Connecting to a TV

Switch off the camera and TV. Open the terminal cover and plug the bundled video cable into the camera's "VIDEO OUT" socket.



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

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.

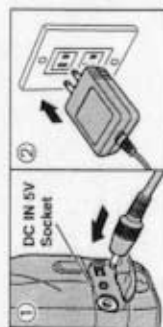


⚠ Refer to the instructions provided with your TV for more information on video input for your TV.

#### Using the AC Power Adapter (OPTIONAL)

The AC Power Adapter is useful since it allows you to take pictures, play back images (connected to a TV, etc.) and connect to a computer without worrying about using up the battery charge.

- **Compatible AC power adapters**  
Model: AC-5VH (sold separately)



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

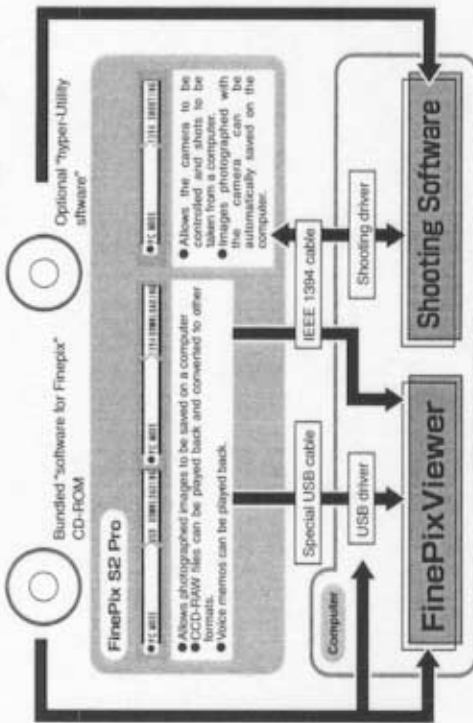
- ⚠ Use only the FUJIFILM products listed above.
- ⚠ See P-111 for notes on using the AC power adapter.
- ⚠ The shape of the plug and socket-outlet depends on the country of use.
- ⚠ The lithium batteries are still used when the AC power adapter is connected.
- ⚠ The built-in flash will not operate if the lithium batteries are removed.

6

Connection

## CONNECTING TO A COMPUTER

Install the software before connecting the camera to a computer. The available functions differ depending on the camera's PC mode settings, as shown below.



- Refer to the User's Guide for the optional Hyper-Utility Software HS-S2 for more information on the photography modes.
- This description covers the downloading modes.

### Connecting to a Computer

To connect the camera to a computer via a USB port, the computer must be equipped with a USB port as a standard feature. (Operation is not guaranteed for USB ports added later.) To connect via an IEEE1394 port, check that the interface is OHCI compliant and then refer to the table below to check whether it is supported by your operating system.

#### Operating System Compatibility Chart (Windows)

OS	Windows 98	Windows 98 SE (Second Edition)	Windows Me (Millennium Edition)	Windows 2000	Windows XP
Connection type					
IEEE1394	X	○ <sup>#1</sup>	○	○	○
USB <sup>#1</sup>	○	○	○	○	○

#1 Can be used by installing the driver from the bundled CD-ROM.

#2 Update the 1394 device driver from Windows Update.

#### Operating System Compatibility Chart (Macintosh)

OS	Mac OS 8.6	Mac OS 9.0.4	Mac OS 9.1	Mac OS 9.2.1	Mac OS X
Connection type					
IEEE1394	X	○ <sup>#1</sup>	○	○	○
USB <sup>#1</sup>	○	○	○	○	○

#1 Can be used by installing the driver from the bundled CD-ROM.

#2 Cannot be used even when installed as a standard feature, but can be used by downloading and installing the free update to Mac OS 9.1. Contact Apple Computers (<http://www.apple.com>) for information on software updates.

## CONNECTING TO A COMPUTER VIA IEEE 1394

1 Load the media containing your shots into the camera.

- 2 Switch the camera on.
- 3 Select "IEEE1394 DOWNLOADING" as the "PC MODE" setting in SET-UP (P.89).
- 4 Set the power switch to "OFF" to switch the camera off.



- 5 Refer to the operating system compatibility charts on P.100 and check that your operating system supports the IEEE1394 interface.
- 6 Use of the AC power adapter (sold separately) is recommended when connecting the camera to a computer.
- 7 If a SmartMedia and Microdrive are both loaded into the camera at the same time, the media selected in the "MEDIA" setting in SET-UP is used (P.89).

- 1 Switch your PC on.
- 2 Connect the camera to the computer using the bundled IEEE1394 cable.
- 3 Switch the camera on.

Always use the prescribed procedure when disconnecting or switching off the camera (P.100).

In Windows XP and Mac OS X, automatic startup must be set up the first time you connect.

Take care to ensure that the cable is connected the right way round and that the plugs are firmly inserted all the way into the sockets.

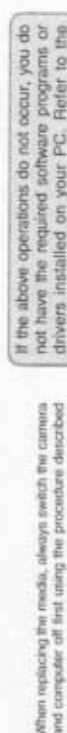
### Camera Operations



- The Access lamp blinks when the camera and computer are exchanging data.
- "1394 DOWNLOADING" is displayed on rear display panel.
- The Auto Power Off function is disabled while the camera is connected to a computer.

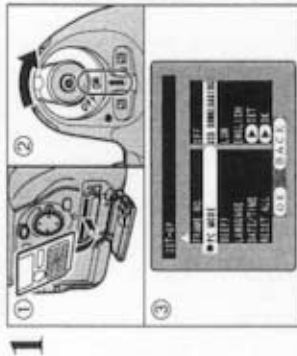
### PC Operations

- If FinePixViewer is installed, it starts up automatically.
- A removable disk icon appears and you can use your PC to transfer files to and from the camera.

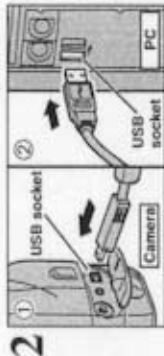


If the above operations do not occur, you do not have the required software programs or drivers installed on your PC. Refer to the Software Quick Start Guide booklet and complete the required PC setup procedures. Then reconnect the camera to your PC.

## CONNECTING TO A COMPUTER VIA USB



- Load a media containing photographed images into the camera.
  - Switch the camera on.
  - Select "USB DOWNLOADING" as the "PC MODE" setting in SET-UP (P.89).
  - Set the power switch to "OFF" to switch the camera off.
- Before connecting, you must install software on the bundled CD-ROM on your computer.
  - Use of the AC power adapter (sold separately) is recommended when connecting the camera to a computer.
  - If a SmartMedia and Microdrive are both loaded into the camera at the same time, the media selected in the "MEDIA" setting in SET-UP is used (P-Setup, P.89).



- Switch your PC on.
- Connect the special USB cable to the camera and the computer.
- Switch the camera on.

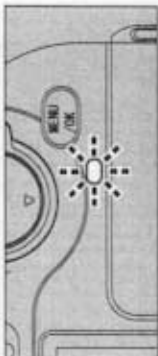
Always use the prescribed procedure when disconnecting or switching off the camera (P.103).

- In Windows XP and Mac OS X, automatic startup must be set up the first time you connect.
- Take care to ensure that the cable is connected the right way round and that the plugs are firmly seated all the way into the sockets.

If you are using a Windows PC, the driver settings are automatically specified when installation ends. Simply wait a few moments.

- If your computer does not recognize the camera, refer to the Software Quick Start Guide.

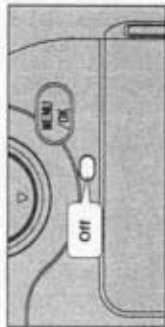
## Camera Operations



- When the camera and the computer are exchanging data, the Access lamp blinks orange.
- "USB DOWNLOADING" is displayed on the rear display panel.
- The Auto Power Off function is disabled while the camera is connected to a computer.

- When replacing the SmartMedia, always disconnect the camera and computer first using the procedure described on P.103.
- Do not disconnect the USB cable during communication. See P.103 for the disconnection instructions.

## DISCONNECTING FROM THE PC (important — always use this procedure.)



- Quit all applications (FinePixViewer, etc.) that are using the camera.
- Check that the Access lamp is off (that the camera and computer are no longer exchanging data).

- In some cases, the camera and computer may still be communicating even after the "Copying" message disappears from the computer screen. Always check that the Access lamp is off.

- Perform the steps shown below before you switch the camera off. This procedure differs depending on the operating system software (or PC) you are using.

### Windows 98/98 SE

For a USB connection, no action is needed on the computer. If you are connecting via an IEEE1394 interface, use the disconnection procedure described below.

- Left-click the Eject icon in the taskbar and eject "USB Disk".
- The "Eject" menu option is displayed. Click this menu option.
- The "Eject hardware" dialog box appears. Click the [OK] button or the close button.

### Windows Me/2000 Professional/XP

- Right-click the removable disk icon in the "My Computer" window and select Eject.
- Left-click the Eject icon in the taskbar and eject "USB Disk".



- This step is only required in Windows Me.



- The "Eject" menu option is displayed. Click this menu option.
- The "Eject hardware" dialog box appears. Click the [OK] button or the close button.

### Macintosh

Drag the "Removable drive" icon on the desktop to the Trash.



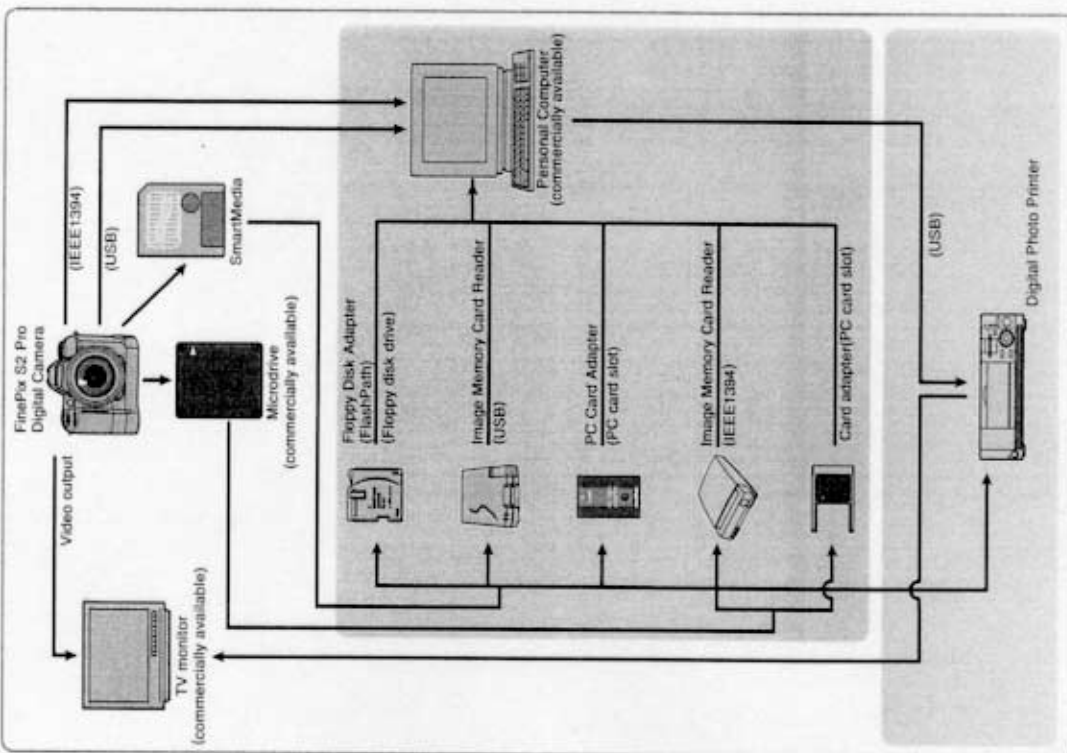
- When you drag the icon to the Trash, "REMOVE OK" appears on the camera's screen.

- Switch the camera off and disconnect the IEEE1394 or USB cable.



## System Expansion Options

► By using the FinePix S2 Pro together with other optional FUJIFILM products, your system can be expanded to fill a wide range of uses.



## Accessories Guide

► The optional accessories (sold separately) can make taking pictures with the FinePix S2 Pro even easier. For information on how to attach and use the accessories, refer to the instructions provided with the accessory used. Visit the FUJIFILM web site for the latest information on camera accessories. <http://www.fujifilm.com/products/digital/index.html>

<p>● <b>SmartMedia™</b></p> <p>These are SmartMedia cards sold separately. Use the 9 types listed below.</p> <ul style="list-style-type: none"> <li>● MG-4S : 4MB, 3.3V</li> <li>● MG-8S : 8MB, 3.3V</li> <li>● MG-16S : 16MB, 3.3V</li> <li>● MG-32S : 32MB, 3.3V</li> <li>● MG-64S : 64MB, 3.3V</li> </ul> <p>■ Some 3.3V SmartMedia are labelled as "3V" cards.</p> <ul style="list-style-type: none"> <li>● MG-16SW : 16MB, 3.3V, ID</li> <li>● MG-32SW : 32MB, 3.3V, ID</li> <li>● MG-64SW : 64MB, 3.3V, ID</li> <li>● MG-128SW : 128MB, 3.3V, ID</li> </ul> <p>■ SmartMedia with ID are labelled as "ID" cards.</p>	
<p>● <b>AC-5VH AC Power Adapter</b></p> <p>Use the AC-5VH when you want to take pictures or play back images for long periods or when the FinePix S2 Pro is connected to a personal computer.</p> <ul style="list-style-type: none"> <li>■ The shape of the AC power adapter, the plug and socket outlet depend on the country.</li> </ul>	
<p>● <b>Fujifilm Rechargeable Battery 2HR-3UF</b></p> <p>The 2HR-3UF includes high-capacity AA-size Nickel Metal Hydride batteries.</p>	
<p>● <b>Fujifilm Battery Charger with Battery BK-NH (Not Available in U.S.A. / Canada)</b></p> <p>The BK-NH includes the quick battery charger BCH-NH and 2 AA Ni-MH batteries. The BCH-NH can charge 4 AA Ni-MH batteries in approx. 180 minutes. Up to 4 Ni-MH or Ni-Cd batteries can be charged simultaneously.</p>	
<p>● <b>SM-R2 Image Memory Card Reader</b></p> <p>The SM-R2 allows images to be read and written from an image memory card (SmartMedia) to a personal computer. Its USB interface provides high-speed data transmission.</p> <ul style="list-style-type: none"> <li>● Compatible with Windows 98/98 SE, Windows Me, Windows 2000 Professional or Mac or Power Macintosh and models that support USB as standard.</li> </ul>	
<p>● <b>DM-R1 Image Memory Card Reader</b></p> <p>This device provides a simple way to transfer image data in either direction between your PC and an image memory card (SmartMedia or CompactFlash Type II (Microdrive-compatible)). The IEEE 1394 interface provides high-speed data transfer.</p> <ul style="list-style-type: none"> <li>● Compatible with Windows 98 SE, Windows 2000 Professional (read-only), Mac DV and Power Macintosh PCs with FireWire as a standard feature. Mac OS 8.5.1 to 9.1</li> </ul>	
<p>● <b>PC-AD3 PC Card Adapter</b></p> <p>The PC Card Adapter allows the SmartMedia to be used as a PC Card Standard ATA-compliant (PCMCIA 2.1) PC card (Type II).</p> <ul style="list-style-type: none"> <li>● Compatible with SmartMedia of 5V/3.3V, 2MB to 128MB.</li> </ul>	

**Hyper Utility Software HS-S2 (IEEE1394 Interface)**

- This software allows you to convert CCD-RAW files shot on the FinePix S2 Pro to 16-bit TIFF files by specifying the conversion settings (tone curve, white balance, sharpness and color) and the output image size.
- This software also makes it possible for you to connect the camera to a computer via an IEEE1394 interface and download the images shot on the camera directly to the computer without first storing them on a media.
- You can also use this software to control the camera and take pictures from your computer.
- This software allows images shot on the Digital Camera FinePix S2 Pro to be used on a computer.

**System Requirements**

	Windows®	Mac OS
Compatible machine	IBM-compatible PC	Macintosh with an IEEE1394 interface as a standard feature
Connection ports (only when photography software is used)	Equipped with an IEEE1394 (OHCI-compliant) PCI board or IEEE1394 (OHCI-compliant) CardBus card	IEEE1394 port as a standard feature
Operating system	Windows® Me, 2000 Professional or XP	Mac OS 9.1 to 9.2
CPU	Pentium III, 4 or Celeron	PowerPC G3, G4
RAM	Recommended system memory + 128 MB 512 MB or more recommended	Recommended system memory + 128 MB 512 MB or more recommended
Hard disk	Minimum 1 GB available space	Minimum 1 GB available space
Display resolution	1024 x 768, 16-bit	1024 x 768, 16-bit
Disk drives	Drive capable of reading CD-ROM disks	Drive capable of reading CD-ROM disks

**Notes on Using Your Camera Correctly**

▶ Be sure to read this information in conjunction with "Safety Notes" (P.123), to ensure that you use your camera correctly.

**Places to Avoid**

Do not store or use the camera in the following types of locations:

- In the rain or in 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 vibration.
- Places affected by smoke or steam.
- Places subject to strong magnetic fields (such as near motors, transformers or magnets).
- In contact with chemicals such as pesticides or next to rubber or vinyl products for long periods of time.

**Notes on Immersion in Water or Sand**

The FinePix S2 Pro is particularly adversely affected by water and sand. When you are at the beach or close to water, ensure that the camera is not exposed to water or sand. Take care also not to place the camera on a wet surface. Water or sand inside the camera 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 media. In this event, remove the media 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 battery and the media card before storing the camera.

**Cleaning Your Camera**

- Use a blower brush to brush away any dust on the lens, LCD monitor surface, viewfinder or external AF sensor and then gently wipe the camera 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, benzene or insecticides, as these may react with camera body and cause deformation or remove the coating.
- This camera is equipped with a CCD photosensitive element. This CCD is located behind the shutter screen. If dust or other soiling attaches to the surface of the CCD and pictures are then taken, this soiling may appear as spots in the image, depending on the camera settings and the type of subject. If this occurs, the CCD must be cleaned. Because the surface of the CCD is extremely fragile, whenever possible the camera should be cleaned to an authorized FUJIFILM dealer for cleaning (for a charge).
- Any repairs carried out by an authorized FUJIFILM service facility to CCDs that were scratched or damaged during cleaning by the customer will be charged to the customer. Note that such repairs will probably involve replacing the CCD and will be expensive.

**Precautions to ensure that no dirt or dust gets onto the CCD:**

- Before a FUJIFILM digital camera is shipped from the factory, it is carefully checked for dust inside the camera and on the surface of the CCD to ensure that it conforms to FUJIFILM standards.
  - Bear in mind also that some types of soiling on the CCD surface cannot be removed even by an authorized FUJIFILM service facility.
- Should this occur, you can use features such as the despeckling function provided in the image processing software to remedy the problem.

**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.

## Cleaning the CCD

This camera is equipped with a CCD photosensitive element. This CCD is located behind the shutter screen.

If dust or other soiling attaches to the surface of the CCD and pictures are then taken, this soiling may appear as spots in the image, depending on the camera settings and the type of subject. If this occurs, the CCD must be cleaned. Because the surface of the CCD is extremely fragile, whenever possible the camera should be returned to an authorized FUJIFILM dealer for cleaning (for a charge).

Any repairs carried out by an authorized FUJIFILM service facility to CCDs that were scratched or damaged during cleaning by the customer will be charged to the customer. Note that such repairs will probably involve replacing the CCD and will be expensive.

### ◆ Dust inside the camera and on the surface of the CCD ◆

• Before a FUJIFILM digital camera is shipped from the factory, it is carefully checked for dust inside the camera and on the surface of the CCD to ensure that it conforms to FUJIFILM standards.

• Bear in mind also that some types of soiling on the CCD surface cannot be removed even by an authorized FUJIFILM service facility. Should this occur, you can use features such as the despeckling function provided in the image processing software to remedy the problem.

### Checking the Condition of the CCD Surface



Check that the camera is switched off and then remove the lithium batteries.

⚠ Do not apply excessive force to the battery cover.



Open the terminal cover and fully insert the connector plug from the AC power adapter (sold separately) into the "DC IN 5V" socket. Then plug the AC power adapter into the power outlet.

⚠ When cleaning the camera, always use the AC power adapter (sold separately) to prevent camera damage due to the mirror dropping down or the shutter closing.

⚠ See P.112 for more information on using the AC power adapter.



Press the built-in flash down to stow it away.



Hold down the lens release button and turn the lens in the direction of the arrow.

Set the exposure mode dial to "M".



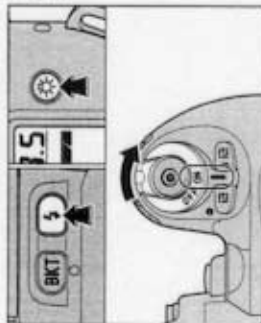
5

Hold down the release mode switch unlock button and set the release mode switch to "[M]" (single-frame).



6

Hold down both the Synchro mode button and the LCD illumination button and switch the camera on.



7

When you press the shutter button, the mirror flips up and the shutter opens and stays open.



8

⚠ When you release the shutter button, the mirror stays up.

## Cleaning the CCD

9 Hold the camera so that the sun shines on the CCD and check the surface for dust.

Surface clean

Surface soiled



Clean the CCD yourself.

Contact a FUJIFILM service center and request CCD cleaning.

Switch the camera off and attach a lens or body cap to the camera.

When you switch the camera off, the mirror drops down and the shutter closes at the same time. Ensure that your fingers are not caught inside the camera.



### Starting CCD Cleaning

Note that such repairs will probably involve replacing the CCD and will be expensive.



1 Use a blower (without a brush attached) to remove any soiling on the CCD surface.

Use a blower that does not have a brush attached. Using a blower brush to clean soiling from the CCD can scratch the CCD surface.

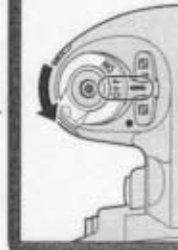
2 Check whether the dust has been removed from the CCD surface.

The blower has removed the dust (There are no oily marks or fingerprints).

There are oily marks or fingerprints left on the CCD that cannot be removed with the blower.

Process to step 3.

Switch the camera off and mount the lens or body cap on the camera.



When you switch the camera off, the mirror drops down and the shutter closes at the same time. Ensure that your fingers are not caught inside the camera.

### Ensure that you have the cleaning equipment ready

- Cleaning swabs
  - Sensor Swab (Photographic Solutions, Inc.)
  - Japanese version: Goshichi Corp. (<http://www.goshichi.com/>)
- Cleaning fluid
  - Ethanol (95% solution or better), EE Cleaner (Olympus) or Eclipse (Photographic Solutions, Inc.)
  - Eclipse is classified as a toxic drug and identification is required for purchase.

3



Moisten the bottom 5 mm of the Sensor swab evenly with cleaning fluid.

Do not use the swab when it is dry or not moistened with cleaning fluid.

4



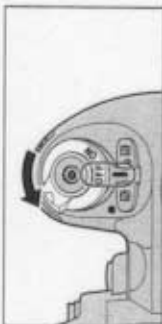
Slowly and gently wipe one side of the swab just once across the full width of the CCD from left to right.

5

Then wipe the other side of the Sensor swab across the full width of the CCD from left to right once more. Do not reuse Sensor swabs.

If this does not remove the soiling, repeat steps 3 to 5 with a new Sensor swab or contact an authorized FUJIFILM service facility.

6



Switch the camera off and mount the lens or body cap on the camera.

When you switch the camera off, the mirror drops down and the shutter closes at the same time. Take care to ensure that your fingers are not caught inside the camera.

## Notes on the Power Supply

### Applicable Batteries

- Use AA-size alkaline or nickel-metal hydride (Ni-MH) batteries, and 3-volt lithium batteries with the AC power adapter. Other sizes of batteries and other size manganese or lithium batteries cannot be used.

### Notes on the Batteries

- Always use the batteries in the same way as they were used when they were first purchased. Do not use them in a different way than the way they were used when they were first purchased.
- Do not heat the batteries or freeze them.
- Do not connect or disconnect the batteries with their terminals or contacts.
- Do not use the batteries with metal objects such as needles or hairpins that could come into contact with the metal positive (+) and negative (-) poles of the battery.
- Do not expose the batteries to heat or cold, and do not use them in a hot or cold environment.
- Do not use the batteries in a humid or wet environment.
- Do not use the batteries in a dusty or sandy environment.
- Do not use the batteries in a high-voltage or high-current environment.
- Do not use the batteries in a high-frequency or high-voltage environment.
- Do not use the batteries in a high-temperature or high-pressure environment.
- Do not use the batteries in a high-vibration or high-impact environment.
- Do not use the batteries in a high-magnetic field environment.
- Do not use the batteries in a high-radiation environment.
- Do not use the batteries in a high-temperature or high-pressure environment.
- Do not use the batteries in a high-vibration or high-impact environment.
- Do not use the batteries in a high-magnetic field environment.
- Do not use the batteries in a high-radiation environment.

- Do not use the batteries in a high-temperature or high-pressure environment.
- Do not use the batteries in a high-vibration or high-impact environment.
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- Do not use the batteries in a high-radiation environment.
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- Do not use the batteries in a high-magnetic field environment.
- Do not use the batteries in a high-radiation environment.
- Do not use the batteries in a high-temperature or high-pressure environment.
- Do not use the batteries in a high-vibration or high-impact environment.
- Do not use the batteries in a high-magnetic field environment.
- Do not use the batteries in a high-radiation environment.

Always use the AC power adapter with the camera. The AC power adapter is not intended for use in a country where the AC power is not 100-240V. The 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).

## Notes on the Media (SmartMedia™ and Microdrives)

- **SmartMedia**
  - The SmartMedia card 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 image data in digital form.
  - Because the data is stored electronically, the stored image data can be erased from the card and new data recorded.

- **SmartMedia with ID**
  - A SmartMedia with 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.

- **Microdrives**
  - Microdrives are compact, lightweight hard disk drives that conform to the CF+ Type II standard. Due to their large capacity for large image data files and their high megabyte recording cost, Microdrives provide a more economical way to save high-resolution image files.

- **Storing Data**
  - In the situations listed below, recorded data may be erased (destroyed). Please note that FUJIFILM accepts no responsibility whatsoever for the loss (destruction) of recorded data.

- When the media is used incorrectly by the owner or a third party
  - When the media is exposed to static electricity or electrical noise
  - When the media is removed or the camera is switched off during data recording (media formatting)
  - When the media is dropped or otherwise subjected to a strong force or impact

Important items should be backed up onto another medium. (MO disk, floppy disk, hard disk, etc.)

- **General Notes on Handling Media (all types)**
  - Always use the media in the same way as they were used when they were first purchased.
  - Do not use the media in a hot or cold environment.
  - Do not use the media in a humid or wet environment.
  - Do not use the media in a dusty or sandy environment.
  - Do not use the media in a high-voltage or high-current environment.
  - Do not use the media in a high-frequency or high-voltage environment.
  - Do not use the media in a high-temperature or high-pressure environment.
  - Do not use the media in a high-vibration or high-impact environment.
  - Do not use the media in a high-magnetic field environment.
  - Do not use the media in a high-radiation environment.

- **Notes on Handling SmartMedia**
  - Use only the SmartMedia specified for use with the camera. The use of other SmartMedia could damage the camera.
  - Take care not to touch the SmartMedia's contact area (the gold-colored area) or allow the area to become soiled. Use a soft, dry cloth to wipe off any soiling that does occur.
  - To avoid damage caused by static electricity, always use the special static-free case provided when carrying or storing the media. Alternatively, keep the SmartMedia in a plastic bag or envelope.
  - 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 insert a new SmartMedia.
  - 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 camera.

- **SmartMedia Specifications**
  - Type: Image memory card for digital cameras (SmartMedia)
  - Operating voltage: 3.3V
  - Conditions for use: Temperature: (0°C to +40°C (+32°F to +104°F)) Humidity: 80% or less (no condensation) 37 mm x 45 mm x 0.76 mm (1.45 in. x 1.77 in. x 0.03 in.) (W x H x D)

- **Notes on using Microdrive**
  - Do not write on the Microdrive label.
  - Do not peel off the Microdrive label.
  - Do not use Microdrives in a Microdrive.
  - When carrying or storing a Microdrive, keep it in the protective case provided.
  - Do not use Microdrives in CF+ Type II slots that do not have an eject function.
  - Take care when handling Microdrives that have been used for long periods as they may become hot.
  - Do not place Microdrives close to strong magnetic fields.
  - Keep Microdrives dry.
  - Do not apply strong pressure to the Microdrive cover.

- **Notes on using media with a computer**
  - If you intend to take photos using a media that has been used on a personal computer, first format the media on your camera.
  - When you format a media in the camera and then photograph and record images, a folder is automatically created on the media. Image data is then recorded in this folder.
  - Do not change or delete the folder names or file names on the media from your computer as this will make it impossible to use the media in your camera.
  - Always use the camera to erase image data on a media.
  - To edit image data, copy the image data to the computer's hard disk and then edit the copied data.

- **SmartMedia with ID**
  - The SmartMedia with 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.

- **Microdrives**
  - Microdrives are compact, lightweight hard disk drives that conform to the CF+ Type II standard. Due to their large capacity for large image data files and their high megabyte recording cost, Microdrives provide a more economical way to save high-resolution image files.

- **Storing Data**
  - In the situations listed below, recorded data may be erased (destroyed). Please note that FUJIFILM accepts no responsibility whatsoever for the loss (destruction) of recorded data.

- When the media is used incorrectly by the owner or a third party
  - When the media is exposed to static electricity or electrical noise
  - When the media is removed or the camera is switched off during data recording (media formatting)
  - When the media is dropped or otherwise subjected to a strong force or impact

Important items should be backed up onto another medium. (MO disk, floppy disk, hard disk, etc.)

- **General Notes on Handling Media (all types)**
  - Always use the media in the same way as they were used when they were first purchased.
  - Do not use the media in a hot or cold environment.
  - Do not use the media in a humid or wet environment.
  - Do not use the media in a dusty or sandy environment.
  - Do not use the media in a high-voltage or high-current environment.
  - Do not use the media in a high-frequency or high-voltage environment.
  - Do not use the media in a high-temperature or high-pressure environment.
  - Do not use the media in a high-vibration or high-impact environment.
  - Do not use the media in a high-magnetic field environment.
  - Do not use the media in a high-radiation environment.

- **Notes on Handling SmartMedia**
  - Use only the SmartMedia specified for use with the camera. The use of other SmartMedia could damage the camera.
  - Take care not to touch the SmartMedia's contact area (the gold-colored area) or allow the area to become soiled. Use a soft, dry cloth to wipe off any soiling that does occur.
  - To avoid damage caused by static electricity, always use the special static-free case provided when carrying or storing the media. Alternatively, keep the SmartMedia in a plastic bag or envelope.
  - 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 insert a new SmartMedia.
  - 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 camera.

- **SmartMedia Specifications**
  - Type: Image memory card for digital cameras (SmartMedia)
  - Operating voltage: 3.3V
  - Conditions for use: Temperature: (0°C to +40°C (+32°F to +104°F)) Humidity: 80% or less (no condensation) 37 mm x 45 mm x 0.76 mm (1.45 in. x 1.77 in. x 0.03 in.) (W x H x D)



Always use the AC power adapter with the camera. The AC power adapter is not intended for use in a country where the AC power is not 100-240V. The 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).

## Warning Displays

► The table below lists the warning messages displayed on the top display panel or in the viewfinder.

Warning Displayed Top display panel	Viewfinder	Explanation	Remedy
<b>FE</b> (blinking)	<b>FE</b> (blinking)	<ul style="list-style-type: none"> <li>• CPU Nikon lens other than G-type is not set to its minimum aperture.</li> <li>• Attached flash is not set at TTL Auto Flash in "P" mode.</li> </ul>	<ul style="list-style-type: none"> <li>• Set lens to minimum aperture.</li> <li>• Set the external flash mode to TTL, or set the camera's exposure mode to "S", "A", or "M".</li> </ul>
	—	• Lithium Batteries are low on charge.	• Have new ones ready.
	—	• Lithium Batteries have no remaining charge.	• Turn the power off and replace lithium batteries with new ones.
<b>F--</b> (blinking)	<b>F--</b> (blinking)	• Non-CPU lens is attached or lens is not attached.	• Attach CPU lens (except IX-Nikkor). With a non-CPU lens, set the exposure mode to "M" and set the aperture with lens' aperture ring.
—	● (blinking)	• Autofocus is not possible.	• Focus manually.
<b>H!</b> (fl)	<b>H!</b> (fl)	• Overexposure warning (subject is too bright).	• In "P" mode, use ND filter. If the warning indication remains after performing above remedies in "S" or "A" mode, use ND filter as well.
<b>Lo</b> (fl)	<b>Lo</b> (fl)	• Underexposure warning (subject is too dark).	• In "S" mode, select faster shutter speed.
—	—	• Subject brightness is beyond camera's exposure range.	• In "A" mode, select smaller aperture (larger f-number).
<b>bulb</b> (blinking)	<b>bulb</b> (blinking)	• Shutter speed is set to "bulb" in "S" mode.	• In "P" mode, use flash (if the warning indication remains after performing above remedies in "S" or "A" mode, use flash as well).
Shutter speed indication (blinking)	<b>i25</b> (fl)	• Shutter speed faster than sync speed is selected in "S" or "M" mode.	• In "S" mode, select slower shutter speed.
—	⚡ (blinking)	• Flash has fired at full output and underexposure may have occurred.	• In "A" mode, select larger aperture (smaller f-number).
<b>Err</b> (blinking)	<b>Err</b> (blinking)	• Malfunction detected.	• When the subject is too bright, use ND filter and when the subject is too dark, use flash too the electronic analog exposure display remains blinking when the flash is used.

Warning Displayed Top display panel	Viewfinder	Explanation	Remedy
<b>Err</b> (fl)	—	<ul style="list-style-type: none"> <li>• The slot cover was opened during card operation.</li> <li>• The AA-size batteries are low on charge or flat.</li> <li>• No AA-size batteries are loaded.</li> </ul>	<ul style="list-style-type: none"> <li>• Switch the camera off, close the slot cover, switch the camera back on and try again.</li> <li>• Switch the camera off and replace the AA-size batteries or load new AA-size batteries. Then switch the camera back on and try again.</li> </ul>
<b>Err</b> (blinking)	—	• The lithium batteries are low on charge or the camera mechanism has stopped due to cold and cannot take pictures.	<ul style="list-style-type: none"> <li>• Switch the camera off and replace the lithium batteries. Then switch the camera back on and try again.</li> <li>• If this does not resolve the problem, set the focusing mode to "M", release the shutter and briefly switch the camera off.</li> </ul>

⚠ In certain cases, due to static electricity or poorly loaded batteries, the FinePix S2 Pro microcomputer may turn the camera off, even with fresh, properly installed batteries. For the same reason, the film may not advance properly. In each of these cases, to resume operation, simply turn the power off, then turn it on again. Or, remove and reinstall the batteries.

## Warning Displays

▶ The table below lists the warning messages displayed on the top display panel or in the viewfinder.

Warning Displayed LCD monitor	Explanation	Remedy
NO CARD	No media is inserted.	<ul style="list-style-type: none"> <li>Load a SmartMedia (3.3V) in the correct direction.</li> <li>Load a Microdrive in the correct direction.</li> <li>Format the media.</li> <li>Wipe the SmartMedia contact area with a soft, dry cloth. It may also be necessary to format the SmartMedia. If an error message still appears, replace the SmartMedia.</li> <li>Contact your FUJIFILM dealer.</li> </ul>
CARD NOT INITIALIZED	<ul style="list-style-type: none"> <li>The media is not formatted (initialized).</li> <li>The SmartMedia contact area (gold-colored area) is soiled.</li> <li>The camera is faulty.</li> </ul>	<ul style="list-style-type: none"> <li>Push the SmartMedia all the way into the slot and check that it is locked into place.</li> <li>Wipe the SmartMedia contact area with a soft, dry cloth. It may also be necessary to format the SmartMedia. If an error message still appears, replace the SmartMedia.</li> <li>Contact your FUJIFILM dealer.</li> </ul>
CARD ERROR	<ul style="list-style-type: none"> <li>The SmartMedia contact area (gold-colored area) is soiled.</li> <li>The media is damaged.</li> <li>The media format is incorrect.</li> <li>The camera is faulty.</li> </ul>	<ul style="list-style-type: none"> <li>Erase some images or use a media that has some available space.</li> <li>Use a SmartMedia that is not write-protected.</li> <li>That data cannot be played back.</li> <li>Wipe the SmartMedia contact area with a soft, dry cloth. It may also be necessary to format the SmartMedia. If an error message still appears, replace the SmartMedia.</li> <li>Contact your FUJIFILM dealer.</li> </ul>
CARD FULL	The media is full and no further data can be recorded.	Use a formatted SmartMedia to take pictures.
PROTECTED CARD	The SmartMedia is write-protected.	Remove the protection using the camera on which the protection was applied.
READ ERROR	<ul style="list-style-type: none"> <li>You attempted to play back file that was not recorded correctly.</li> <li>The SmartMedia contact area (gold-colored area) is soiled.</li> <li>The camera is faulty.</li> </ul>	<ul style="list-style-type: none"> <li>Reload the media or switch the camera off and then on again. If this does not remedy the problem, contact your FUJIFILM dealer.</li> <li>Use a new media.</li> </ul>
FILE NO. FULL	Frame number 999-9999 has been reached.	Erasing the image deletes the setting from the DPOF specifications at the same time.
WRITE ERROR	<ul style="list-style-type: none"> <li>Data cannot be recorded due to a media fault or a problem with the connection between the media and the camera.</li> <li>The image you just shot is too large to fit in the space available on the media.</li> </ul>	Use a new media.
PROTECTED FRAME	You attempted to erase a protected frame.	Erasing the image deletes the setting from the DPOF specifications at the same time.
DPOF SPECIFIED. ERASE OK		
DPOF SPECIFIED. ERASE ALL OK		

Warning Displayed LCD monitor	Explanation	Remedy
RESET DPOF OK	<ul style="list-style-type: none"> <li>DPOF settings are already specified.</li> <li>The DPOF file contains an error or was specified on another device.</li> </ul>	To create a new DPOF file and reset all the DPOF settings, press the "MENU/OK" button.
DPOF FILE ERROR	1000 or more prints were specified in the DPOF frame settings.	The maximum number of frames for which printing can be specified on the same SmartMedia is 999. Set no more than 999 frames.


▶ The table below lists the warnings that are displayed on the rear display panel.

Warning Displayed Rear display panel	Explanation	Remedy
FLASH ERROR	The built-in flash was popped up even though the battery adapter is used.	The built-in flash cannot be used if the lithium batteries are not installed.
BATT. LOW	The AA-size batteries are low on charge.	Have replacement AA-size batteries ready.
BATT. FLAT	The AA-size batteries are flat.	Replace the AA-size batteries.

# Troubleshooting

▶ If you think the camera is faulty, check the following once more

Troubleshooting	Possible causes	Solutions
The camera won't switch on.	<ul style="list-style-type: none"> <li>The batteries are exhausted.</li> <li>The batteries are loaded the wrong way round.</li> <li>The AC power adapter is not connected correctly.</li> <li>The batteries are exhausted.</li> </ul>	<ul style="list-style-type: none"> <li>Load new or fully charged batteries.</li> <li>Rebuild the batteries correctly</li> <li>Reconnect the adapter correctly and plug the adapter plug into the mains power outlet.</li> <li>Load new or fully charged batteries.</li> </ul>
Power cuts out during operation.	<ul style="list-style-type: none"> <li>You are using the camera in extremely cold conditions.</li> <li>The battery terminals are soiled.</li> <li>The battery terminals were soiled when the batteries were charged.</li> <li>The batteries were charged after having not been used for a long period.</li> <li>The rechargeable batteries have reached the end of their operating lives.</li> </ul>	<ul style="list-style-type: none"> <li>Put the batteries in your pocket or another warm place to heat them and then load them into the camera just before you take a picture. Note that alkaline batteries cannot be used at very low temperatures.</li> <li>Remove the batteries from the camera and wipe the battery terminals with a clean, dry cloth before reinserting the batteries.</li> <li>Wipe the battery terminals with a clean, dry cloth before charging.</li> <li>Due to their nature, the batteries may not be fully charged. Charge and use the batteries several times to restore them to normal operation.</li> <li>Load new fully charged batteries.</li> </ul>
Batteries run out quickly.	<ul style="list-style-type: none"> <li>The focus is not set in AF-S mode (● focus indicator not lit).</li> <li>No media is loaded.</li> <li>The media is full and no further data can be recorded.</li> <li>The SmartMedia is write-protected.</li> <li>The media is not formatted.</li> <li>The SmartMedia contact surface (the gold-colored area) is soiled.</li> <li>The media is damaged.</li> <li>The Auto Power Off function has switched the camera off.</li> <li>The batteries are flat.</li> <li>The camera will not focus.</li> </ul>	<ul style="list-style-type: none"> <li>Use AF lock to set the focus and check that the ● focus indicator is lit before taking the shot.</li> <li>Load a media.</li> <li>Load a new media or erase some frames.</li> <li>Remove the write-protection.</li> <li>Format the media.</li> <li>Clean the SmartMedia contact surface (the gold-colored area) with a clean dry cloth.</li> <li>Load a new media.</li> <li>Switch the camera on.</li> <li>Fit new batteries.</li> <li>Set the focusing mode to manual (M), focus on the subject manually and take the picture.</li> <li>Close the built-in flash and then take the picture.</li> <li>Refer to the warning displays on p.114-117 and 00 and take the appropriate action.</li> </ul>
No photograph is taken when the shutter button is pressed.	<ul style="list-style-type: none"> <li>The flash is set to Suppressed Flash mode. (The flash is closed.)</li> <li>You pressed the shutter button while the flash was charging.</li> <li>You are trying to take pictures using the built-in flash when there are no lithium batteries loaded in the camera.</li> <li>An error occurred.</li> </ul>	<ul style="list-style-type: none"> <li>The flash pops up.</li> <li>Wait until charging is completed before pressing the shutter button.</li> <li>Use lithium batteries.</li> </ul>
I can't use the flash to take pictures.	<ul style="list-style-type: none"> <li>The subject is too far away.</li> <li>Something is obstructing the flash.</li> </ul>	<ul style="list-style-type: none"> <li>Move closer to the subject.</li> <li>Remove the lens hood.</li> </ul>

Troubleshooting	Possible causes	Solutions
The playback image is burned.	<ul style="list-style-type: none"> <li>The lens is dirty.</li> <li>The camera is not focused.</li> </ul>	<ul style="list-style-type: none"> <li>Clean the lens.</li> <li>Focus the camera correctly (▶ p.30).</li> </ul>
I cannot format the SmartMedia or Microdrive.	<ul style="list-style-type: none"> <li>The SmartMedia or Microdrive is write-protected.</li> <li>The media is damaged.</li> </ul>	<ul style="list-style-type: none"> <li>Remove the write-protection (Peel off the write-protect sticker).</li> <li>Use a new media.</li> </ul>
I cannot erase all the frames.	<ul style="list-style-type: none"> <li>The frame is protected.</li> </ul>	<ul style="list-style-type: none"> <li>Remove the frame protection.</li> </ul>
Nothing happens when I use the camera switches and dials.	<ul style="list-style-type: none"> <li>Camera malfunction.</li> <li>The batteries are flat.</li> </ul>	<ul style="list-style-type: none"> <li>Remove the power supply (the batteries) and then reload them and try again.</li> <li>Fit new batteries.</li> </ul>
No image appears on the color LCD monitor when I press the  button.	<ul style="list-style-type: none"> <li>There is no media loaded.</li> <li>There is no photography data recorded on the media.</li> </ul>	<ul style="list-style-type: none"> <li>Insert a media that contains some photography data.</li> </ul>
There is no image on the TV screen.	<ul style="list-style-type: none"> <li>The camera and TV are not connected correctly.</li> </ul>	<ul style="list-style-type: none"> <li>Connect the camera and TV correctly.</li> <li>Set the TV input to "VIDEO".</li> </ul>



# Specifications

## System

Type of camera	Interchangeable-lens SLR-type digital camera
No. of effective pixels	6.17 million
CCD sensor	Large-format (23.0 × 15.5 mm) Super CCD "Hybrid" with primary color filters (total pixels: 6.49 million)
No. of recorded pixels	4256 × 2944, 3040 × 2016, 2304 × 1536 or 1440 × 960, with a maximum of 12.12 megapixels using Honeycomb signal processing
Sensitivity	Equivalent to ISO 100, 160, 200, 400, 800 or 1600 *2
Recording modes	Still images: DCF-compliant Compressed: Exif Ver.2.2 JPEG, DPOF-compatible Uncompressed: Exif Ver.2.2 TIFF-RGB, DPOF-compatible, CCD-RAW **
Recording media	Slot 1: SmartMedia (3.3 V) Slot 2: Microdrive (CF+ type II)
LCD monitor	1.8-inch 110,000-pixel low-temperature polysilicon TFT color LCD panel (approx. 100% coverage for playback)
Lens mount	Nikon F mount (with AF coupling and AF contacts)
Interchangeable lenses	See P.16.
Focal length	Approx. 1.5x the normal focal length of the lens (35mm camera equivalent)
Viewfinder	Eye-level type with pentaprism and built-in diopter adjustment (coverage: approx. 80% vertical and approx. 95% horizontal)
Focus	Auto focus, TTL phase detection with auxiliary AF lamp
Lens servo	"S" (single AF servo), "C" (continuous AF servo), "M" (manual)
Focus area	1 focus area selected from 5 focus areas
AF-area mode	Single-area AF, Dynamic AF (with a closest-subject priority dynamic AF function)
AF lock	AE/AF lock button. Can also be operated by pressing the shutter button halfway in single AF servo mode.
Metering modes	TTL open metering Selectable from 3 metering modes (restrictions apply on some lenses) • 3D 10-zone Matrix, Center-weighted, Spot
Exposure modes	P: Multi-programmed Auto (Flash Program also available), S: Shutter-priority Auto, A: Aperture-priority Auto, M: Manual
Release modes	Single-frame, Continuous shooting (up to 7 frames), Self timer (2, 5, 10 or 20 sec.), Multi-exposure
Exposure compensation	+3 EV (in 1/2 EV step increments)
Auto bracketing	No. of shots: Up to 3; Exposure offset: ±2 EV in 1/2 EV step increments
AE lock	EV memory type using AE/AF lock button
Shutter	Electronically controlled descending-type focal-plane shutter
Shutter speeds	1/4000 to 30 sec. *3
White balance	AUTO, Sunny, Shade, Fluorescent 1, Fluorescent 2, Fluorescent 3, Incandescent and Custom (2 positions)
Image quality settings	Color, Tone (gradations), Sharpness
Built-in flash	Manual pop-up type. Guide No. 12 (ISO 100, m) Synchronizing shutter speeds: 1/125 sec. and slower Synchro modes: Front Synchro, Slow Synchro, Rear synchro, Red-eye Reduction and Red-eye Reduction Slow Synchro
Accessory shoe	Hot shoe (with synchro contacts, ready signal contacts, TTL flash control stop signal contacts, monitor signal contacts and GND) with built-in safety lock feature
Synchro contacts	X contacts only, synchronizing speed: 1/125 sec. or slower
Synchro terminal	Equipped with ISO519 synchro terminal as standard; lock screw provided
Remote release	Release socket on shutter button
Information display	Viewfinder display, Top display panel, Rear display panel
Battery checks	• Battery checking performed for lithium and AA batteries. However, only the AA batteries are checked when no lithium batteries are installed. • Check levels: 3 levels (full, full and low). If either the lithium or AA batteries have insufficient charge, a warning is displayed for 3 seconds and then the Auto Power Off function is triggered.
Auto Power Off	Off: 15 sec., 2 min. or 5 min. (disabled when the camera is connected to a PC)
Preview	Preview zoom, histogram display, reference chart display
Playback	Single-frame, playback zoom, histogram display, protect frame, multi-frame playback

Erase: Erase all frames, Format (initialize)  
Print ordering (DPOF): Voice memo, Frame No. memory, Custom settings

## Standard Number of Available Shots per Media

The number of available shots varies slightly depending on the type of subject. Also, the discrepancy between the actual number of available shots and the standard number grows as the capacity of the media increases.

Quality Mode	4256 × 2944		3040 × 2016		2304 × 1536		1440 × 960	
	HIGH TFF-RGB	CD-R/R	HIGH TFF-RGB	NORMAL TFF-RGB	HIGH TFF-RGB	NORMAL TFF-RGB	HIGH TFF-RGB	NORMAL TFF-RGB
Single Frame Size	Approx. 35.5MB	12.4MB	Approx. 25.8MB	17.9MB	Approx. 10.4MB	7.3MB	Approx. 4.1MB	Approx. 3.0KB
MC-160 (16MB)	0	1	3	6	0	6	13	22
MC-205 (20MB)	0	2	6	13	1	12	27	3
MC-645 (64MB)	1	4	13	28	3	26	55	6
MC-505 (128MB)	3	9	26	56	7	52	112	12
MK-1 (64MB)	9	26	73	156	19	145	307	33
MK-1 (128B)	29	80	220	468	58	437	912	100
								746
								1564
								254
								1432
								2506

## Input/Output Sockets

VIDEO OUT: For connecting a mini pin jack (3.5 mm dia.) cable for video output to a TV  
IEEE 1394 socket: For connecting a 4-pin IEEE1394 cable for data exchange with a computer and picture taking from a computer  
USB socket: For connecting the special USB cable for data exchange with a computer  
DC input socket: For connecting the special AC Power Adapter AC-SVH to supply power to the camera

## Power Source, etc.

Power source: CR123A lithium batteries (2)  
AA-size batteries (4) (alkaline or nickel-metal hydride)  
Temperature: 0°C to +40°C, (-32°F to +104°F) (Note that the range for Microdrive is +5°C to +40°C (+41°F to +104°F).)  
Humidity: 80% or less (no condensation)  
Dimensions (W × H × D): 141.5 × 131 × 79.5 mm (5.6 × 5.2 × 3.1 in.) (excluding lens and attachments)  
Weight: 768 g (body only, not including accessories, batteries or recording media)  
Number of shots using Approx. 600 (without previews, recorded on SmartMedia, built-in flash off) batteries (fully charged) Ni-MH batteries (1600 HRA-A) used in image processor and CR123A lithium batteries used in camera)  
Accessories: See P.5  
Optional accessories: See P.105-106

\*1: CCD-RAW is a format specific to the FinePix S2 Pro. The enclosed "FinePix Viewer" software or the optional Hyper-Utility software "Shooting Software" is required to interpret the images.  
\*2: Images shot in high-sensitivity photography (ISO 400 or higher) may appear coarse and may also be affected by noise such as white dots.  
\*3: Images shot with long exposures (1 second or longer) may appear coarse and may also be affected by noise such as white dots.  
\*4: The figures shown for the number of available shots are a guide to the number of consecutive shots that can be taken at normal temperatures with the flash used in 50% of the shots. Note that the actual number of available shots may differ due to variations in the ambient temperature when the camera is used and the amount of battery charge. The number of available shots is lower at low temperatures.

\* These specifications and performance data are subject to change without notice. FUJIFILM accepts no liability whatsoever for errors or omissions in this manual.  
\* The color LCD monitor on your digital camera is manufactured using advanced high-precision technology. Even so, up to 0.01% of the pixels may fail to light or may remain permanently lit. This phenomenon will not appear on the recorded image.

## Explanation of Terms

### Auto Power Off Function:

If the camera is not used in any way for a set period, the Auto Power Off function switches the camera off to prevent battery depletion and to avoid wasting power when the camera is connected to the AC power adapter. On this camera, the period can be set to either 2 minutes or 5 minutes.

- The Auto Power Off function does not operate, when a USB connection is being used, or when the Auto Power Off function is switched off during setup.

### CCD-RAW

This is the image data prior to signal processing (the reconstruction of the data read in from the CCD as an image). Because the signal processing is performed on the computer, high levels of control are possible.

- \* To reconstruct images, FinePixViewer (on the enclosed CD-ROM) or the Hyper Utility (optional) must be installed on your computer.

### Color Temperature:

Low-temperature light sources, such as a candle flame, are strongly red, while high-temperature light sources, such as a gas burner flame, are strongly blue. The color of the light for these temperatures is expressed as a color temperature (K = Kelvin). The light of the sun at midday in a completely clear sky is taken to be 5500K.

### EV:

A number that denotes Exposure Value. 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.

### TIFF-RGB:

A format for saving image data in which a tag indicating the file format is attached to each item of data. Files stored in this format can be opened on a personal computer.

### WAVE:

A standard format used on Windows systems for saving audio data. WAVE files have the ".WAV" file extension and the data can be saved in either compressed or uncompressed format. This camera uses PCM recording.

WAVE files can be played back on a personal computer using the following software:

Windows: MediaPlayer

Macintosh: QuickTime Player

\* QuickTime 3.0 or later

### 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**.

### Exit Print


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


## Safety Notes

- To ensure that you use your FinePix S2 Pro 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.


 This icon indicates that death or serious injury can result if the information is ignored.

 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**  
When a fault arises, switch the camera off and then remove the batteries and disconnect the AC power adapter.

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



Using open 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.



**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 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.

**Never attempt to take pictures while 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 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.







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












**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.



<b>⚠ WARNING</b>	
	Do not use the batteries except as specified. Load the batteries with correct polarity as indicated by the  and  marks.
	Use only the batteries or AC power adapter specified for use with this camera. The use of other power sources can cause a fire.
	If the battery leaks and fluid gets into your eyes or comes into contact with your skin or clothing, this can cause injury or loss of eyesight. Immediately flush the affected area thoroughly with clean water and seek medical treatment.
	When discarding or storing batteries, cover the battery terminals with insulation tape. <ul style="list-style-type: none"> <li>• Contact with other metallic objects or batteries could cause the batteries to ignite or burst.</li> </ul>

<b>⚠ CAUTION</b>	
	Keep out of the reach of small children. This product could cause injury in the hands of a child.
	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.
	Do not place heavy objects on the camera. This can cause the heavy object to tip over or fall and cause injury.
	Do not move the camera while the AC power adapter is still connected. 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 deform the casing or cause a fire.
	Remove the batteries and disconnect the AC power adapter when you are cleaning the camera or if you intend to leave the camera unused for a long period. Failure to do so can cause a fire or electric shock.
	Using a flash too close to a person's eyes may temporarily affect the eyesight. Take particular care when photographing infants and young children.
	Request regular internal testing and cleaning for your camera. Build-up of dust in your camera can cause a fire or electric shock. <ul style="list-style-type: none"> <li>• Contact your FUJIFILM dealer to request internal cleaning every 2 years.</li> </ul>

