

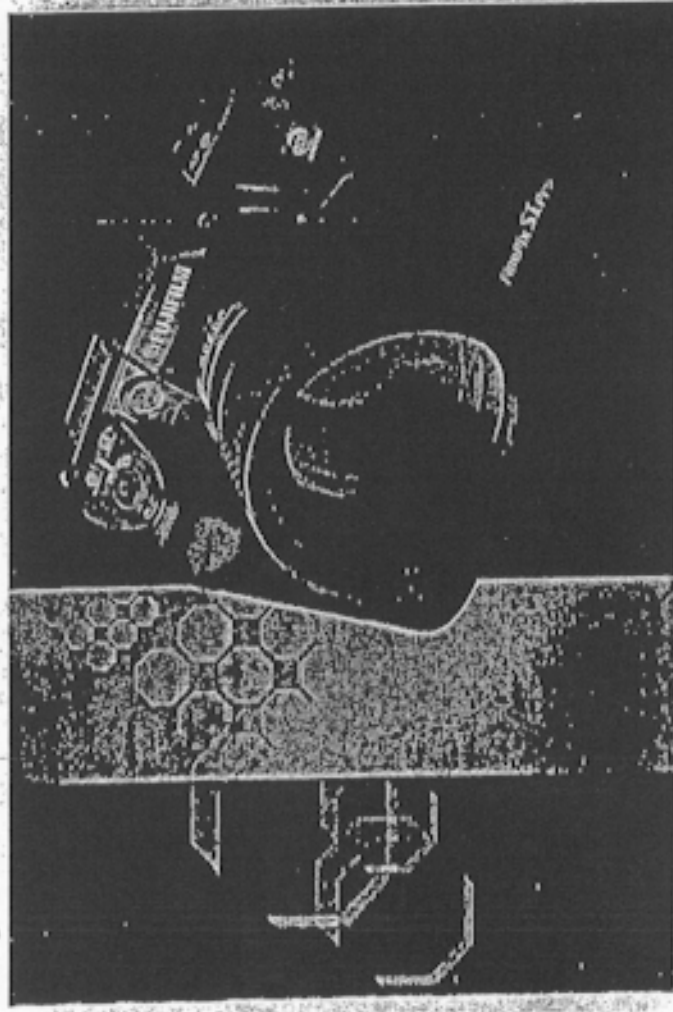
FUJIFILM



HONEYCOMB

Digital Camera

FinePix S1 Pro



OWNER'S MANUAL

1 Basic Photography

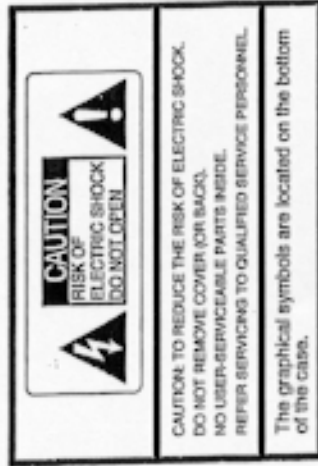
2 Setup

3 Advanced Photography

4 Advanced Photography (Playback)

5 Preferences

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



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

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

For customers in the U.S.A.

FCC Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antennas.
 - 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.
EC Declarator of Conformity

EC Declaration of Conformity

We

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

declare that the product

Product Name : DIGITAL CAMERA FUJIFILM FinePix S1 Pro
Manufacturer's Name : Fuji Photo Film Co., Ltd.
Manufacturer's Address : 26-30, Nishiazabu 2-chome, Minato-ku,
Tokyo 106-8620, Japan

is in conformity with the following Standards

Safety : EN60065
EMC : EN55022 : 1994 + amendment 1 Classe B
EN50082-1 : 1992
EN51000-3-2 : 1995

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

June 1, 2000

Place Date

Signature/Managing Director











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

Please read the Safety Notes (P.129) and make sure you understand them before using the camera.

- ### Features
- The newly developed large-size "Super CCD Horeoscan" built into the FinePix S1 PRO provides an ultra-high resolution of 6.13 million recorded image pixels, high sensitivity, a large dynamic range and an excellent S/N ratio.
 - Quick, responsive operation with only 0.7 seconds between shots (6.13-million recorded pixels)
 - Image programs and an AUTO photography mode that make it easy to select the right camera settings for your subject
 - Exposure programs and manual photography modes let you fine tune your photography settings
 - Built-in flash and support for external flash units
 - Dot-matrix LCD panel (backlit) lets you to check your camera settings as you shoot
 - Equipped with 2 different recording media slots (slot 1: SmartMedia, slot 2: CF type II)
 - Select any of 3 image recording resolutions as needed (6.13 million, 3.5 million or 1.4 million recorded pixels)
 - Histogram display function lets you check the image exposure right after you shoot
 - Allows you to set the ISO sensitivity, tint, tone and sharpness individually just as if you were selecting the film
 - 2-inch 200,000-pixel low-temperature polysilicon TFT LCD monitor
 - Color and grayscale screen display function for checking colors and highlights/shadows
 - USB connection lets you take pictures from your PC and transfer image data quickly and easily (provided as an optional accessory)
 - Supports DPOF (Digital Print Order Format) for simple print ordering
 - Conforms to the DCF* international standard for digital cameras.
 - DCF: Acronym for the "Design rule for Camera File system" standard formulated by the Japanese Electronic Industry Development Association (JEIDA).

Accessories

- SmartMedia (1)
 - (8MB, 3.3V; US/Canada model)
 - (16MB, 3.3V; Europe model)
 - Supplied with:
 - Anti-static case (1)
 - Index label (1)
- AA-size Alkaline Batteries (4)
 
- Lithium CR123A batteries (2)
 
- Button Cell Lithium Battery CR2025 (1)
 
- Shoulder Strap (1)
 
- Video Cable (approx. 1.5 m (4.9ft.), mini-plug (3.5 mm dia.) to pin-plug cable) (1)
 
- Camera Body Cap (1)
 
- Battery-type Adapter (1)
 
- Eye-piece Cap (1)
 
- Interface Set (1)
 - CD-ROM (1)
 - USB Cable (1)
 - Quick Start Guide (1)
 - Quick Start Guide for Camera Shooting Software (1)
 - Owner's Manual (this document) (1)

- Preparatory Trial Shots**

When you are taking particularly important photographs (at a wedding or on holiday, for example), always take a trial photograph first to check that the camera is functioning normally.

 - Fuji Photo Film Co. Ltd accepts no liability for any incidental losses (including any costs incurred in the course of the photography and any loss of income obtained from the photography) incurred as a result of any fault in this product.
- Notes on Copyright**

Images recorded using your digital camera cannot be used in ways that infringe copyright laws without the consent of the owner, unless intended only for personal pleasure. Note also that some restrictions apply to the photographing of stage performances, entertainments and exhibits, even when intended purely for personal use. Users are also asked to note that the transfer of memory cards (SmartMedia or microdrives) containing images or data protected under copyright laws is only permissible within the restrictions imposed by those copyright laws.
- Liquid Crystal**
 - If the LCD panel is damaged, take particular care with the liquid crystal contained in the 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 Radio Wave Interference with Radios, Televisions, etc.**
 - This camera is a Class B information processing device (to be used in or in the vicinity of residential areas) and conforms to the Voluntary Control Council for Interference by Information Technology Equipment (VCCI) standard aimed at preventing radio wave interference in residential areas. However, this camera could interfere with signal reception if used close to a radio or television receiver. Refer to your Owner's Manual for information on correct usage.
 - Do not use this device in an aircraft or hospital.
 - If used in these situations, this camera could cause malfunctions in devices such as control equipment 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 image data is being recorded.
 - Trademark Information**
 - Mac and Macintosh are trademarks of Apple Computer, Inc.
 - Windows is a trademark 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 Corp.
 - All other company or product names used in this document are trademarks or registered trademarks of their respective holders.

Auxiliary AF light (see P.57)

Self-limiter lamp (see P.72)

Red-eye reduction lamp (see P.75)

Accessory shoe (see P.79)

Built-in flash (see P.74)

Lens detaching button (see P.25)

Focus mode selector switch (see P.27, 57)

VIDEO OUT socket (see P.36)

Digital (USB) socket (see P.111)

DC IN 5V socket (see P.19)

Top display panel (see P.14)

Exposure compensation button (see P.71)

Aperture button (see P.64)

Synchro mode button (see P.76)

Strap mount

Shutter button (see P.30)

Power switch (see P.22)

Self-limiter button (see P.72)

Flash lock release button (see P.78)

Strap mount

AA battery compartment cover release catch (see P.16)

Exposure mode dial (see P.50)

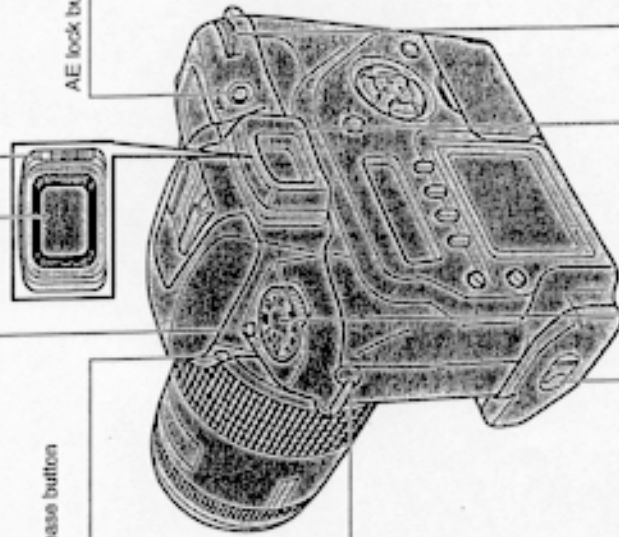
Viewfinder window (see P.73)

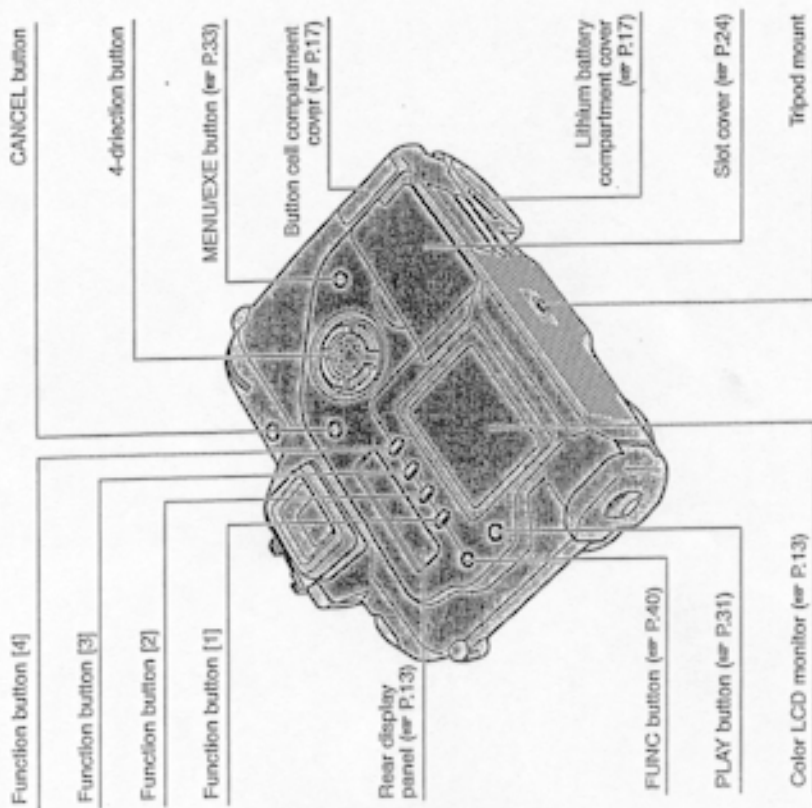
Eyesight adjustment lever (see P.73)

AE lock button (see P.70)

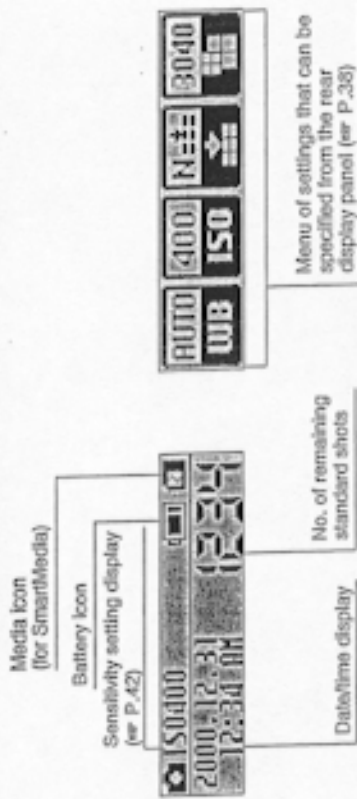
Command dial (see P.61)

Eyepiece surround (see P.73)





Sample Rear Display Panel Screens



Sample LCD Monitor Screens



Top Display Panel

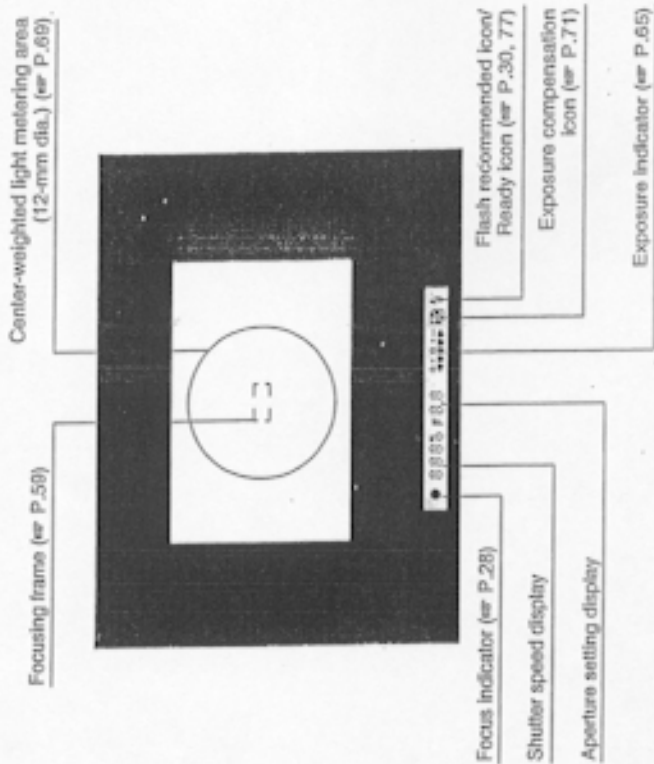


Note

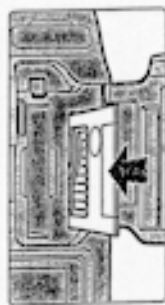
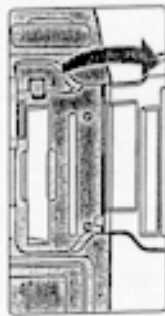
liquid crystal in the top display panel and viewfinder display.

The LCD (liquid crystal display) uses a low top display panel and viewfinder display when at high temperatures. Allow time for the LCD display to warm up as soon as it is taken down. In addition, the LCD display will return to normal at room temperature.

Viewfinder Display



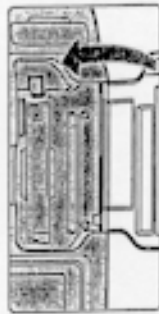
1 Switch the camera off, press the indentation in the slot cover to open the cover and insert the media. Load microdrives into the upper slot and SmartMedia into the lower slot.



For a SmartMedia

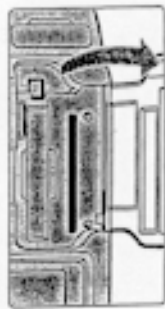
- Insert a SmartMedia with the contact area (gold-colored area) facing upwards.
- Insert a microdrive in the correct direction and push it smoothly all the way into the slot.

2 Close the slot cover.



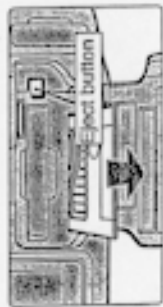
- If there is a write-protect slider on the SmartMedia, data cannot be recorded onto or deleted from the SmartMedia.
- This camera is only guaranteed to operate with FUJIFILM SmartMedia and microdrives.
- Back up your data at regular intervals. Fuji Photo Film Co. Ltd accepts no liability for any losses incurred as a result of data being erased or corrupted.

1 Switch the camera off and press the indentation in the slot cover to open the cover.



- If you open the slot cover while the camera is switched on, the camera switches off.
- Do not open the slot cover while data is being recorded as this can result in data loss or corruption.
- If you open the slot cover during a shot taken with a long shutter speed, the top display panel continues to operate until the shot is finished.

2 Eject the memory card.



For a SmartMedia

- To remove a SmartMedia, push the SmartMedia in gently. The SmartMedia then pops out slightly for easy removal.
- To remove a microdrive, press the eject button beside the slot.

3 Close the slot cover.














Symbol	Name	Features and Typical Uses
 P.60	AUTO mode	Exposure is controlled entirely by the camera. This mode is ideal for snapshots and other situations where you need to take the picture quickly to avoid missing the moment.
 P.61	Multi-program Auto	The camera controls the exposure but the photographer can also influence the outcome using the program shift (see P.61) and exposure compensation (see P.71) features.
 P.62	Shutter-priority Auto	You set the shutter speed and the camera controls the exposure. This mode lets you set fast shutter speeds to freeze fast-moving subjects or slow shutter speeds to emphasize the subject's motion.
 P.63	Aperture-priority Auto	You set the aperture and the camera controls the shutter speed. This mode is ideal for shots where you want to control the depth of field for focusing, such as shots where you want the foreground and background both in clear focus or shots where you want the background deliberately out of focus.
 P.64	Manual	This mode lets you set both the shutter speed and the exposure. Use this mode when none of the other modes give quite the effect you are looking for.
 P.67	Portrait mode	This mode uses a shallow depth of field (the range of focus in front of and behind the subject) to give portrait shots that have a soft, blurred backdrop and a feeling of depth.
 P.67	Landscape mode	This mode uses a very large depth of field (the range of focus in front of and behind the subject) to give landscape shots in which both nearby and distant scenery is in focus.
 P.67	Close-up mode	This mode uses a relatively shallow depth of field to make the subject stand out and give a soft, blurred background for beautiful close-up shots.
 P.68	Sports mode	This mode uses a fast shutter speed to freeze the action, allowing you to take sports shots that capture the feeling of rapid motion.
 P.68	Night Scene mode	This mode uses exposure control specially tailored to dimly lit subjects to allow you to take pictures in the evening or at night. (When you take a picture of a subject against a night scene background, you can use the flash to capture both your subject and the background as they appear naturally.)

Image Programs

■ By setting the exposure mode dial to  (AUTO mode), you can leave the exposure settings to the camera when you take pictures.

1 Switch the camera on.

2 Set the exposure mode dial to (AUTO mode).



• The shutter speed and aperture settings are shown on the top display panel.

3 Set the focus mode selector switch to "AF" (auto focus).



• Make sure that the focus mode selector switch clicks when you select the setting.
• To focus on your subject, hold the shutter button halfway (see P.28).

- 1 Switch the camera and the TV off. Plug the enclosed video cable into the VIDEO OUT socket on the camera.



- If there is a power outlet handy, the optional AC Power Adapter (AC-5VH) should be connected.

- 2 Plug the pin-plug end of the video cable into the video input socket on the TV and switch on the camera and the TV. You can then take pictures and play back images in the usual way.



- Refer to the instructions for your TV for information on the video input socket.

Background: A Brief Guide Focusing and Exposure

Focusing, exposure and light metering are key factors in taking photographs. By understanding these aspects of photography, you can achieve a wider range of photographic effects.

■ Focus and Depth of Field

When you focus the camera on a point, an area in front of and behind that point is also in focus. This area is referred to as the depth of field and varies depending on factors such as the distance to the subject, the focal length of the lens and the aperture setting. In particular, narrowing the lens aperture (selecting a higher f-stop) increases the distance over which objects are in focus, giving what is referred to as a large depth of field. Conversely, widening the lens aperture (selecting a lower f-stop) decreases the distance over which objects are in focus, giving a shallow depth of field (see P.67).

■ Exposure

Exposure refers to the process by which light from the subject (the person or object being photographed) passes through the camera lens, hits the film and is recorded. During this process, it is important that the sensitivity of the CCD in the camera is matched to the brightness of the subject and that the shutter speed and aperture are adjusted so that the correct amount of light reaches the CCD (correct exposure).

To ensure optimum exposure, the FinePix S1 PRO is provided with a number of exposure modes. These include the AUTO, multi-program auto and image program modes, in which the camera sets both the focus and the aperture setting, the shutter-priority auto mode, in which the photographer sets the shutter speed and the camera sets the exposure, the aperture-priority auto mode, in which the photographer sets the exposure and the camera sets the shutter speed, and manual mode, in which the photographer sets both the shutter speed and the aperture setting by referring to the camera's exposure meter (see P.64).

■ Light Metering

The action of measuring the brightness of the subject (the person or object being photographed) is referred to as light metering. Light metering is an important source of information for determining the exposure. This information is used to determine the combination of shutter speed and aperture settings that will allow the optimum amount of light to hit the CCD.

Because the distribution of light in the image that includes the subject is not necessarily uniform, the FinePix S1 PRO divides the image into 6 sections and provides 2 types of light metering. These are "multi-pattern metering", in which the optimum exposure is determined using independently measured light information for each section, and "center-weighted metering", in which the light metering information for the central part of the image is emphasized in determining the optimum exposure.

If a D-type AF Nikkor lens is mounted on the camera, and additional metering mode called "3D 6-zone multi-pattern metering" is available in which distance information is also considered (see P.69).

Settings available from the rear display panel

Setting	Display	Factory Default	Description	Ref. Page
White balance	AUTO, Sunny, Shades, Fluorescent 1, Fluorescent 2, Fluorescent 3, Incandescent, Custom	AUTO	Specify this setting to take pictures with the white balance fixed to match the ambient light (indoor or outdoor) when the picture is taken.	P.40
Sensitivity	320, 400, 800, 1600	400	Specify this setting when you want to shoot using a fast shutter speed (to prevent camera shake) or when you want to take bright pictures indoors without using the flash.	P.42
Quality	Normal, Fine, Hi, Basic	Normal	Use this setting to specify the image quality.	P.43
Image size (number of pixels)	3040, 2304, 1440	3040	Use this setting to specify the number of pixels in the image (the image size).	P.44
Color	STD, HIGH, ORG, BW	STD	Use this setting to specify the density of the colors in the image.	P.45
Tone	STD, HARD, ORG	STD	Use this setting to specify the image contrast.	P.46
Sharpness	STD, HARD, OFF	STD	Use this setting to specify the image sharpness.	P.47
Multi-exposure	OFF, ON	OFF	Use this setting to specify whether multi-exposure photography is performed.	P.48

Settings available from the color LCD monitor

Setting	Display	Factory Default	Description	Ref. Page
PREVIEW	OFF, ON, AUTO REC	OFF	Use this setting to specify whether previews of photographed images are displayed for checking.	P.49
CUSTOM WB	EXE	—	Use this setting to specify an independent white balance setting.	P.50
HI MODE	TIFF-RGB, TIFF-YC	TIFF-RGB	When "Hi" is specified as the Quality setting, use this setting to specify whether the TIFF format used is "RGB" data or "YC" data.	P.51
MEDIA	SmartMedia, CF Type II	Smart Media	Use this setting to specify the type of media used.	P.51
SELF TIMER	2sec., 10sec.	10sec.	When you take pictures using the self-timer, use this setting to specify the interval between the shutter button being pressed and the picture being taken.	P.52
AUTO POWER OFF	2min., 5min., OFF	2min.	Use this setting to specify whether the camera automatically switches off when it is not used and, if so, the interval after which it switches off.	P.52
FRAME No.	ON, OFF	OFF	Use this setting to specify whether the frame number memory function is used.	P.53
PC MODE	DOWNLOADING, SHOOTING	DOWNLOADING	Use this setting to specify PC mode.	P.54
BEEP	OFF, HIGH, LOW	HIGH	Use this setting to specify the setting for the camera tone.	P.54
LANGUAGE	JAPANESE, ENGLISH	ENGLISH	Use this setting to specify the language used for menu display.	P.55
DATE/TIME	EXE	—	Use this setting to specify the date and time.	P.22
RESET/ Camera Reset	EXE	—	Use this setting to reset the specified settings.	P.55, 56

Use the procedure below to specify a custom white balance setting.

- 1 Press the "MENU/EXE" button.
- 2 Press "▲" or "▼" on the 4-direction button to select "CUSTOM WB" and then press the "MENU/EXE" button or "◀" or "▶" on the 4-direction button.
 - The "SET OK?" message appears on the color LCD monitor.
 - Set the focus mode selector switch to "M" (manual focus) (see P.58).
- 3 Photograph a reference white image, such as a sheet of white paper. A message then appears indicating whether the photographed image is valid.



UNDER EXPOSURE



OUT OF RANGE

• If the photographed image is not valid, respond to the message displayed as follows:

OVER EXPOSURE: The subject is too bright. Apply exposure compensation in the negative (-) direction, select a darker subject or reduce the light level. Then repeat the procedure from step 3.

UNDER EXPOSURE: The subject is too dark. Apply exposure compensation in the positive (+) direction, select a brighter subject or increase the light level. Then repeat the procedure from step 3.

OUT OF RANGE: The image exceeds the compensation range for the custom WB setting. The maximum compensation value is set.

• The range within which the white balance can be matched is approximately 2800K to 9500K.

- 4 When the photographed image is valid (when "GOOD!" is displayed), press the "MENU/EXE" button. If the image is not valid, use one of the solutions given in step 3.

• To cancel the setting procedure, press the "CANCEL" button.

- 5 When you have finished setting the custom white balance, use "▲" or "▼" on the 4-direction button to select "END" and then press the "MENU/EXE" button.

This setting specifies the TIFF data format when "HI" is selected as the image quality setting.

- 1 Press the "MENU/EXE" button.
- 2 Press "▲" or "▼" on the 4-direction button to select "HI MODE" and then press "◀" or "▶" on the 4-direction button to select the HI MODE setting.
- 3 When you have selected the setting, use "▲" or "▼" on the 4-direction button to select "EXIT SET-UP" and then press the "MENU/EXE" button.

• The table below provides details of the HI MODE settings that can be specified.

Name	Description
TIFF-RGB	This setting selects RGB data as the TIFF format (see P.110)
TIFF-YC	This setting selects YC data as the TIFF format (see P.110)

• The factory default setting is "TIFF-RGB".

MEDIA

This setting specifies whether images are recorded on to a SmartMedia or a microdrive (CF Type II) card.

- 1 Press the "MENU/EXE" button.
- 2 Press "▲" or "▼" on the 4-direction button to select "MEDIA" and then press "◀" or "▶" on the 4-direction button to select the media type.
- 3 When you have selected the media type, use "▲" or "▼" on the 4-direction button to select "END" and then press the "MENU/EXE" button.

• The factory default setting is "SmartMedia".

• When only one media is loaded into the camera, images are recorded onto that media regardless of the setting selected here.

PC MODE

When the camera is connected to a personal computer, this setting specifies whether images are downloaded from the camera to the computer or photography using the camera is controlled from the computer.

- 1 Press the "MENU/EXE" button.
- 2 Press "▲" or "▼" on the 4-direction button to select "PC MODE" and then press "◀" or "▶" on the 4-direction button to select the PC mode setting.
- 3 When you have selected the setting, use "▲" or "▼" on the 4-direction button to select "END" and then press the "MENU/EXE" button.

• The table below provides details of the "PC MODE" settings that can be specified.

Name	Description
DOWNLOADING	Select this setting to download images from the camera to the personal computer.
SHOOTING	Select this setting to control photography using the camera from the computer.

- The factory default setting is "DOWNLOADING".
- See P.111 for information on connecting the camera to a personal computer.

BEEP

Use the procedure below to set the camera beep to "HIGH", "LOW" or "OFF".

- 1 Press the "MENU/EXE" button.
- 2 Press "▲" or "▼" on the 4-direction button to select "BEEP" and then press "◀" or "▶" on the 4-direction button to select the beep setting.
- 3 When you have selected the setting, use "▲" or "▼" on the 4-direction button to select "END" and then press the "MENU/EXE" button.

• The factory default setting is "HIGH".

LANGUAGE

Use the procedure below to select the language used in the SET-UP menu display.

- 1 Press the "MENU/EXE" button.
- 2 Press "▲" or "▼" on the 4-direction button to select "LANGUAGE" and then press "◀" or "▶" on the 4-direction button to select the language setting.
- 3 When you have selected the setting, use "▲" or "▼" on the 4-direction button to select "END" and then press the "MENU/EXE" button.

• The factory default setting is "ENGLISH".

RESET

This setting resets the settings selected by the user.

- 1 Press the "MENU/EXE" button.
- 2 Press "▲" or "▼" on the 4-direction button to select "RESET".
- 3 To reset the settings you have selected in the menu, press the "MENU/EXE" button. The "RESET OK?" message appears.
- 4 • A list of the items that are reset is given on P.56.
Press the "MENU/EXE" button to reset the settings. To retain the current settings, press the "CANCEL" button.
- 5 When you have selected the setting, use "▲" or "▼" on the 4-direction button to select "END" and then press the "MENU/EXE" button.

Items reset by the "RESET" setting

- Items set from the rear display panel

Item	After Reset
White balance	AUTO
Sensitivity	400
Quality	Normal
Image size (number of pixels)	3040
Color	STD
Tone	STD
Sharpness	STD
Multi-exposure	OFF

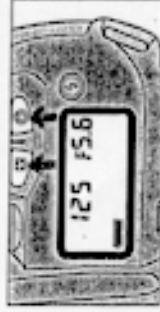
- Items set from the color LCD monitor
SET-UP menu

Item	After Reset
PREVIEW	OFF
HI MODE	TIFF-RGB
MEDIA	SmartsMedia
SELF TIMER	10sec.
AUTO POWER OFF	2min.
FRAME No.	OFF
PC MODE	DOWNLOADING
BEEP	HIGH
LANGUAGE	ENGLISH
Multi-frame Playback Mode	OFF

Camera Reset

Use the procedure below to reset the settings from the camera.

- 1 Hold down the exposure compensation button "⊕" and aperture button "⊙" for 2 or more seconds.



- The table below provides details of the functions that are reset.

Functions reset from the camera

Function	After Reset
Program Shift	Cancelled.
Exposure Compensation	Cancelled.
Synchro Mode	Slow synchro used when the exposure mode is Night Scene (Image Program), Normal Synchro otherwise.
Self-timer	Cancelled.

- See P.80 for the initial function statuses and function combinations.