FUJIFILM

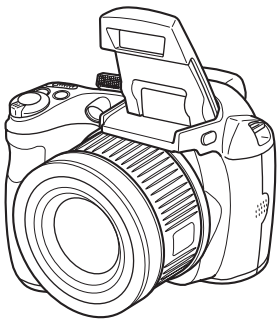
BL01268-200 EN

DIGITAL CAMERA

FINEPIX S4000/S4000A/S3900 Series S3400/S3300/S3200 Series

Owner's Manual

Thank you for your purchase of this product. This manual describes how to use your FUJIFILM FinePix S4000/S4000A/S3900 series, S3400/S3300/S3200 series digital camera and the supplied software. Be sure that you have read and understood its contents before using the camera.



For information on related products, visit our website at *http://www.fujifilm.com/products/digital_cameras/index.html*

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IMPORTANT SAFETY INSTRUCTIONS

- **Read Instructions:** All the safety and operating instructions should be read before the appliance is operated.
- **Retain Instructions:** The safety and operating instructions should be retained for future reference.
- **Heed Warnings:** All warnings on the appliance and in the operating instructions should be adhered to.
- **Follow Instructions:** All operating and use instructions should be followed.

Installation

Power Sources: This video product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company. For video products intended to operate from battery power, or other sources, refer to the operating instructions.

Grounding or Polarization: This video product is equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

Alternate Warnings: This video product is equipped with a 3-wire grounding-type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding-type plug.

Overloading: Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.

Ventilation: Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the video product and to protect it from overheating, and these openings must not be blocked or covered.

The openings should never be blocked by placing the video product on a bed, sofa, rug, or other similar surface.

This video product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

This video product should never be placed near or over a radiator or heat register.

Attachments: Do not use attachments not recommended by the video product manufacturer as they may cause hazards.

Water and Moisture: Do not use this video product near water – for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.

Power-Cord Protection: Power-Supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

Accessories: Do not place this video product on an unstable cart, stand, tripod, bracket, or table. The video product may fall, causing serious injury to a child or adult, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the video product. Any mounting of the appliance should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

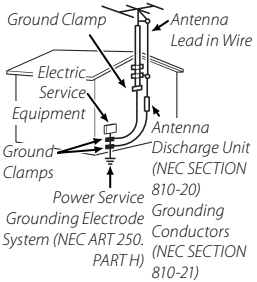
An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

Antennas

Outdoor Antenna Grounding: If an outside antenna or cable system is connected to the video product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA No. 70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna-discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

Power Lines: An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE



Use

Cleaning: Unplug this video product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

Object and Liquid Entry: Never push objects of any kind into this video product through openings as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the video product.

Lightning: For added protection for this video product receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the video product due to lightning and power-line surges.

Service

Servicing: Do not attempt to service this video product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

Damage Requiring Service: Unplug this video product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
When the power-supply cord or plug is damaged.
If liquid has been spilled, or objects have fallen into the video product.
If the video product has been exposed to rain or water.
If the video product has been dropped or the cabinet has been damaged.
If the video product does not operate normally be following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the video product to its normal operation.
When the video product exhibits a distinct change in performance - this indicates a need for service.

Replacement Parts: When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.

Safety Check: Upon completion of any service or repairs to this video product, ask the service technician to perform safety checks to determine that the video product is in proper operating condition.

Be sure to read this notes before using

Safety Notes

- Make sure that you use your camera correctly. Read these Safety Notes and your *Owner's Manual* carefully before use.
- After reading these Safety Notes, store them in a safe place.

About the Icons

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

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

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

	Triangular icons tell you that this information requires attention ("important").
	Circular icons with a diagonal bar tell you that the action indicated is prohibited ("Prohibited").
	Filled circles with an exclamation mark tell you an action that must be performed ("Required").

⚠ WARNING

Unplug from power socket.	**If a problem arises, turn the camera off, remove the battery, disconnect and unplug the AC power adapter.** Continued use of the camera when it is emitting smoke, is emitting any unusual odor, or is in any other abnormal state can cause a fire or electric shock. • Contact your FUJIFILM dealer.

⚠ WARNING

	Do not allow water or foreign objects to enter the camera. If water or foreign objects get inside the camera, turn 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 use in the bathroom or shower.	**Do not use the camera in the bathroom or shower.** This can cause a fire or electric shock.
Do not disassemble	**Never attempt to disassemble or modify (never open the case).** Failure to observe this precaution can cause fire or electric shock.
Do not touch internal parts	**Should the case break open as the result of a fall or other accident, do not touch the exposed parts.** Failure to observe this precaution could result in electric shock or in injury from touching the damaged parts. Remove the battery immediately, taking care to avoid injury or electric shock, and take the product to the point of purchase for consultation.
	Do not change, heat or unduly twist or pull the connection cord and do not place heavy objects on the connection cord. These actions could damage the cord and cause a fire or electric shock. • If the cord is damaged, contact your FUJIFILM dealer.
	Do not place the camera on an unstable surface. This can cause the camera to fall or tip over and cause injury.
	Never attempt to take pictures while in motion. Do not use the camera while you are walking or driving a vehicle. This can result in you falling down or being involved in a traffic accident.
	Do not touch any metal parts of the camera during a thunderstorm. This can cause an electric shock due to induced current from the lightning discharge.
	Do not use the battery except as specified. Load the battery as aligned with the indicator.

⚠ WARNING

Do not heat, change or take apart the battery. Do not drop or subject the battery to impacts. Do not store the battery with metallic products. Do not use chargers other than the specified model to charge the battery.
Any of these actions can cause the battery to burst or leak and cause fire or injury as a result.

Use only the battery or AC power adapters specified for use with this camera. Do not use voltages other than the power supply voltage shown.
The use of other power sources can cause a fire.

If the battery leaks and fluid gets in contact with your eyes, skin or clothing. Flush the affected area with clean water and seek medical attention or call an emergency number right away.

Do not use the charger to charge batteries other than those specified here.
The Ni-MH battery charger is designed for FUJIFILM HR-AA Ni-MH batteries. Using the charger to charge conventional batteries or other types of rechargeable batteries can cause the battery to leak fluid, overheat or burst.

When carrying the battery, install it in a digital camera or keep it in the hard case. When storing the battery, keep it in the hard case. When discarding, cover the battery terminals with insulation tape.
Contact with other metallic objects or battery could cause the battery to ignite or burst.

Keep Memory Cards out of the reach of small children.
Because Memory Cards are small, they can be swallowed by children. Be sure to store Memory Cards out of the reach of small children. If a child swallows a Memory Card, seek medical attention or call an emergency number.

⚠ CAUTION

Do not use this camera in locations affected by oil fumes, steam, humidity or dust.
This can cause a fire or electric shock.

Do not leave this camera in places subject to extremely high temperatures.
Do not leave the camera in locations such as a sealed vehicle or in direct sunlight. This can cause a fire.

Keep out of the reach of small children.
This product could cause injury in the hands of a child.

⚠ CAUTION

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. Do not pull on the connection cord to disconnect the AC power adapter.
This can damage the power cord or cables and cause a fire or electric shock.

Do not use the AC power adapter when the plug is damaged or the plug socket connection is loose.
This could cause a fire or electric shock.

Do not cover or wrap the camera or the AC power adapter in a cloth or blanket.
This can cause heat to build up and distort the casing or cause a fire.

When you are cleaning the camera or you do not plan to use the camera for an extended period, remove the battery and disconnect and unplug the AC power adapter.
Failure to do so can cause a fire or electric shock.

When charging ends, unplug the charger from the power socket.
Leaving the charger plugged into the power socket can cause a fire.

Using a flash too close to a person's eyes may temporarily affect the eyesight.
Take particular care when photographing infants and young children.

When a memory card is removed, the card could come out of the slot too quickly. Use your finger to hold it and gently release the card.

Request regular internal testing and cleaning for your camera.
Build-up of dust in your camera can cause a fire or electric shock.
- Contact your FUJIFILM dealer to request internal cleaning every 2 years.
- Please note this is not a free of charge service.

Power Supply and Battery

* Confirm your battery type before reading the following descriptions.

The following explains proper use of batteries and how to prolong their life. Incorrect use of batteries can cause shorter battery life, as well as leakage, excessive heat, fire or explosion.

1 Camera uses the Rechargeable Lithium-ion Battery

* When shipped, the battery is not fully charged. Always charge the battery before using it.
* When carrying the battery, install it in a digital camera or keep it in the soft case.

■ Battery Features

- The battery gradually loses its charge even when not used. Use a battery that has been charged recently (in the last day or two) to take pictures.
- To maximize the life of the battery, turn the camera off as quickly as possible when it is not being used.
- The number of available frames will be lower in cold locations or at low temperatures. Take along a spare fully charged battery. You can also increase the amount of power produced by putting the battery in your pocket or another warm place to heat it and then loading it into the camera just before you take a picture.

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

■ Charging the Battery

- You can charge the battery using the battery charger (included).
  - The battery can be charged at ambient temperatures between 0°C and +40°C (+32°F and +104°F). Refer to the *Owner's Manual* for the time of charging battery.
  - You should charge the battery at an ambient temperature between +10°C and +35°C (+50°F and +95°F). If you charge the battery at a temperature outside this range, charging takes longer because the performance of the battery is impaired.
  - You cannot charge the battery at temperatures of 0°C (+32°F) or below.
- The Rechargeable Lithium-ion Battery does not need to be fully discharged or exhausted flat before being charged.
- The battery may feel warm after it has been charged or immediately after being used. This is perfectly normal.
- Do not recharge a fully charged battery.

■ Battery Life

At normal temperatures, the battery can be used at least 300 times. If the time for which the battery provides power shortens markedly, this indicates that the battery has reached the end of its effective life and should be replaced.

■ Notes on storage

- If a battery is stored for long periods while charged, the performance of the battery can be impaired. If the battery will not be used for some time, run the battery out before storing it.
- If you do not intend to use the camera for a long period of time, remove the battery from the camera.
- Store the battery in a cool place.
  - The battery should be stored in a dry location with an ambient temperature between +15°C and +25°C (+59°F and +77°F).
  - Do not leave the battery in hot or extremely cold places.

■ Handling the Battery Cautions for Your Safety:

- Do not carry or store battery with metal objects such as necklaces or hairpins.
- Do not heat the battery or throw it into a fire.
- Do not attempt to take apart or change the battery.
- Do not recharge the battery with chargers other those specified.
- Dispose of used battery promptly.
- Do not drop the battery or otherwise subject it to strong impacts.
- Do not expose the battery to water.
- Always keep the battery terminals clean.
- Do not store batteries in hot places. Also, if you use the battery for a long period, the camera body and the battery itself will become warm. This is normal. Use the AC power adapter if you are taking pictures or viewing images for a long period of time.

2 Camera uses AA-size alkaline or Ni-MH (nickel-metal hydride) rechargeable batteries

* For details on the batteries that you can use, refer to the *Owner's Manual* of your camera.

■ Cautions for Using Battery

- Do not heat the batteries or throw them into a fire.
- Do not carry or store batteries with metal objects such as necklaces or hairpins.
- Do not expose the batteries to water, and keep batteries from getting wet or stored in moist locations.
- Do not attempt to take apart or change the batteries, including battery casings.
- Do not subject the batteries to strong impacts.
- Do not use batteries that are leaking, deformed, discolored.

- Do not store batteries in warm or humid places.
- Keep the batteries out of reach of babies and small children.
- Make sure that the battery polarity (⊕ and ⊖) is correct.
- Do not use new with used batteries. Do not use charged and discharged batteries together.
- Do not use different types or brands of batteries at the same time.
- If you do not intend to use the camera for a long period of time, remove the batteries from the camera. Note if the camera is left with the batteries removed, the time and date settings are cleared.
- The batteries feel warm right after being used. Before removing the batteries, turn the camera off and wait for the batteries to cool down.
- Since batteries do not work well in cold weather or locations, warm the batteries by placing them inside your garments before use. Batteries do not work well when cold. They will work again when the temperature returns to normal.
- Soil (such as fingerprints) on the battery terminals makes the batteries charge less reducing the number of images. Carefully wipe the battery terminals with a soft dry cloth before loading.

⚠ If any liquid at all leaks from the batteries, wipe the battery compartment thoroughly and then load new batteries.

⚠ If any battery fluid comes into contact with your hands or clothing, flush the area thoroughly with water. Note that battery fluid can cause loss of eyesight if it gets into your eyes. If this occurs, do not rub your eyes. Flush the fluid out with clean water and contact your physician for treatment.

■ Using the AA-size Ni-MH batteries correctly

- Ni-MH batteries left unused in storage for long periods can become "deactivated". Also, repeatedly charging Ni-MH batteries that are only partially discharged can cause them to suffer from the "memory effect". Ni-MH batteries that are "deactivated" or affected by "memory" suffer from the problem of only providing power for a short time after being charged. To prevent this problem, discharge and recharge them several times using the camera's "Discharging rechargeable batteries" function.
  Deactivation and memory are specific to Ni-MH batteries and are not in fact battery faults.
  See *Owner's Manual* for the procedure for "Discharging rechargeable batteries".

ⓘ CAUTION

Do not use the "Discharging rechargeable batteries" function when alkaline batteries being used.

- To charge Ni-MH batteries, use the quick battery charger (sold separately). Refer to the instructions supplied with the charger to make sure that the charger is used correctly.
- Do not use the battery charger to charge other batteries.
- Note that the batteries feel warm after being charged.
- Due to the way the camera is constructed, a small amount of current is used even when the camera is turned off. Note in particular that leaving Ni-MH batteries in the camera for a long period will overdischarge the batteries and may render them unusable even after recharging.
- Ni-MH batteries will self-discharge even when not used, and the time for which they can be used may be shortened as a result.
- Ni-MH batteries will deteriorate rapidly if over-discharged (e.g. by discharging the batteries in a flashlight). Use the "Discharging rechargeable batteries" function provided in the camera to discharge the batteries.
- Ni-MH batteries have a limited service life. If a battery can only be used for a short time even after repeated discharge-charge cycles, it may have reached the end of its service life.

■ Disposing of Batteries

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

3 Notes on both models (1, 2)

■ AC Power Adapter

Always use the AC Power Adapter with the camera. The use of an AC Power adapter other than FUJIFILM AC Power Adapter can be damaged to your digital camera.
For details on the AC power adapter, refer to the *Owner's Manual* of your camera.

- Use the AC power adapter for indoor use only.
- Plug the connection cord plug securely into the DC input terminal.
- Turn off the FUJIFILM Digital camera before disconnecting the cord from the DC input terminal. To disconnect, pull out the plug gently. Do not pull on the cord.
- Do not use the AC power adapter with any device other than your camera.
- During use, the AC power adapter will become hot to the touch. This is normal.

- Do not take apart the AC power adapter. Doing so could be dangerous.
- Do not use the AC power adapter in a hot and humid place.
- Do not subject the AC power adapter to strong shocks.
- The AC power adapter may emit a humming. This is normal.
- If used near a radio, the AC power adapter may cause static. If this happens, move the camera away from the radio.

Before Using the Camera

Do not aim the camera at extremely bright light sources, such as the sun in a cloudless sky. Failure to observe this precaution could damage the camera image sensor.

■ Test Shots Prior to Photography

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

- FUJIFILM Corporation cannot accept liability for any incidental losses (such as the costs of photography or the loss of income from photography) incurred as a result of faults with this product.

■ Notes on Copyright

Images recorded using your digital camera system cannot be used in ways that infringe copyright laws without the consent of the owner, unless intended only for personal use. Note that some restrictions apply to the photographing of stage performances, entertainments and exhibits, even when intended purely for personal use. Users are also asked to note that the transfer of Memory Card containing images or data protected under copyright laws is only permissible within the restrictions imposed by those copyright laws.

■ Handling Your Digital Camera

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

■ Liquid Crystal

If the LCD monitor is damaged, take particular care with the liquid crystal in the monitor. 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 soap and running water.
- If liquid crystal gets into your eye:
  Flush the affected eye with clean water for at least 15 minutes and then seek medical assistance.
- If liquid crystal is swallowed:
  Flush your mouth thoroughly with water. Drink large quantities of water and induce vomiting. Then seek medical assistance.

Although the LCD panel is produced with highly sophisticated technologies, there may be black spots or permanently lit spots. This is not a malfunction, and does not affect recorded images.

■ Trademark Information

- xD-Picture Card and *xD-Picture Card™* are trademarks of FUJIFILM Corporation.
- IBM PC/AT is a registered trademark of International Business Machines Corp. of the U.S.A.
- Macintosh, QuickTime, and Mac OS are trademarks of Apple Inc. in the U.S.A. and other countries.
- Windows 7, Windows Vista and the Windows logo are trademarks of the Microsoft group of companies.
- IrSimple™ Trademark is owned by the Infrared Data Association®.
- IrSS™ Trademark or IrSimpleShot™ Trademark is owned by the Infrared Data Association®.
- SDHC logo is a trademark of SD-3D, LLC.
- HDMI logo is a trademark.
- YouTube is a trademark of Google Inc.
- Other company or product names are trademarks or registered trademarks of the respective companies.

■ Notes on Electrical Interference

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

■ Explanation of Color Television System

NTSC: National Television System Committee, color television telecasting specifications adopted mainly in the U.S.A., Canada and Japan.

PAL: Phase Alternation by Line, a color television system adopted mainly by European countries and China.

■ Exif Print (Exif ver. 2.3)

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

IMPORTANT NOTICE: Read Before Using the Software

Direct or indirect export, in whole or in part, of licensed software without the permission of the applicable governing bodies is prohibited.

About This Manual

Before using the camera, read this manual and the warnings on pages ii–viii. For information on specific topics, consult the sources below.

✔ Camera Q & A ..... pg. x

Know what you want to do but don't know the name for it? Find the answer in "Camera Q & A."

✔ Table of Contents ..... pg. xiii

The "Table of Contents" gives an overview of the entire manual. The principal camera operations are listed here.

✔ Troubleshooting ..... pg. 109

Having a specific problem with the camera? Find the answer here.

✔ Warning Messages and Displays ..... pg. 116

Find out what's behind that flashing icon or error message in the display.

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The meanings of some technical terms may be found here.

Memory Cards

Pictures can be stored on optional SD or SDHC memory cards. In this manual, SD memory cards are referred to as "memory cards." For more information, see page 10.

Camera Q & A

Find items by task.

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Memo

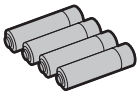
Symbols and Conventions

The following symbols are used in this manual:
Caution: This information should be read before use to ensure correct operation.
Note: Points to note when using the camera.
Tip: Additional information that may be helpful when using the camera.

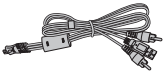
Menus and other text in the camera monitor are shown in bold. In the illustrations in this manual, the monitor display may be simplified for explanatory purposes.

Supplied Accessories

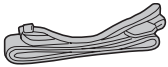
The following items are included with the camera:



AA alkaline (LR6) batteries (×4)



USB-A/V cable



Strap

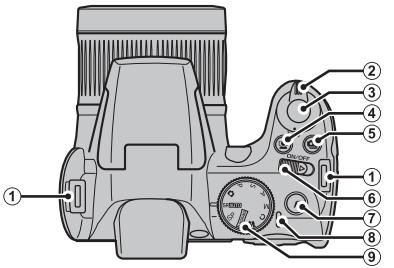
Lens cap

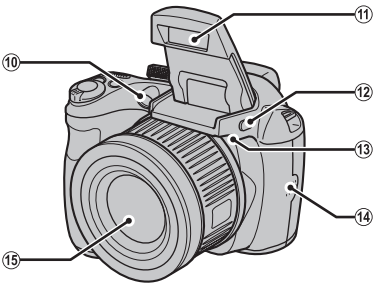
CD-ROM

- *Basic Manual*

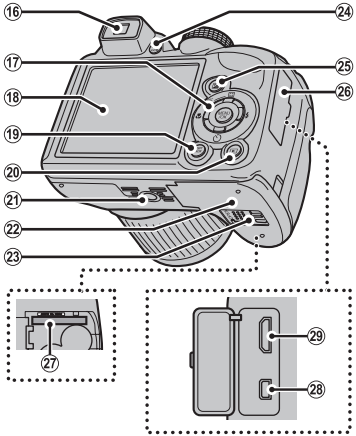
Parts of the Camera

For more information, refer to the page listed to the right of each item.





1	Strap eyelet	7
2	Zoom control	16, 47, 49
3	Shutter button	19
4	(Intelligent Face Detection) button	31
5	(burst mode) button	40
6	**ON/OFF** switch	13
7	(photo mode) button	74, 86
8	Indicator lamp	19
9	Mode dial	6
10	AF-assist illuminator	34
	Self-timer lamp	39
11	Flash	36
12	Flash pop-up button	36
13	Microphone	57, 96
14	Speaker	59, 97
15	Lens	13, 122



16 Electronic viewfinder 5
17 Selector button (see below)
18 Monitor 4
19 **DISP** (display)/**BACK** button 17, 18, 46
20 ▶ (playback) button 20, 46
21 Tripod mount
22 Battery-chamber cover 8
23 Battery-chamber latch 8
24 **EVF**/**LCD** (display selection) button 5
25 ± (exposure compensation/photo info) button 44, 48
26 Terminal cover 60, 62, 72
27 Memory card slot 11
28 Connector for USB-A/V cable 60, 62, 72
29 HDMI Mini Connector 60

The Selector Button

Move cursor up
(instant zoom) button (pg. 42)
(delete) button (pg. 20)

MENU/OK button (pg. 14)

Move cursor left
(macro) button (pg. 35)

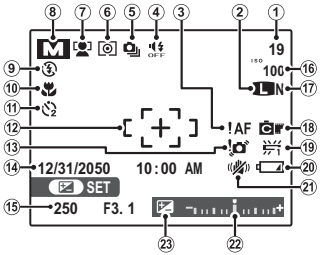
Move cursor right
(flash) button (pg. 36)

Move cursor down
(self-timer) button (pg. 38)

Camera Displays

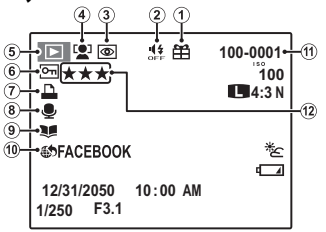
The following indicators may appear during shooting and playback. The indicators displayed vary with camera settings.

■ *Shooting*



1	Number of available frames	121	
2	Image size	76	
3	Focus warning	18	
4	Silent mode	18	
5	Burst mode	40	
6	Metering	81	
7	Intelligent Face Detection indicator	31	
8	Shooting mode	21	
9	Flash mode	36	
10	Macro (close-ups) mode	35	
11	Self-timer indicator	38	
12	Focus frame	81	
13	Blur warning	36, 112, 116	
14	Date and time	14	
15	Shutter speed and aperture	26	
16	Sensitivity	75	
17	Image quality	79	
18	FinePix color	77	
19	White balance	79	
20	Battery level	16	
21	Dual IS mode	17	
22	Exposure indicator	44	
23	Exposure compensation indicator	44	

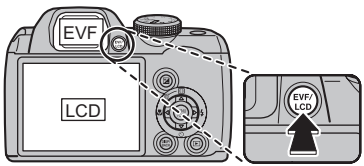
■ *Playback*



1	Gift image	46	
2	Silent mode	18	
3	Red-eye removal indicator	91	
4	Intelligent Face Detection indicator	31	
5	Playback mode indicator	20, 46	
6	Protected image	92	
7	DPOF print indicator	65	
8	Voice memo indicator	96	
9	Photobook assist indicator	51	
10	Mark for upload to	89	
11	Frame number	103	
12	Rating	47	

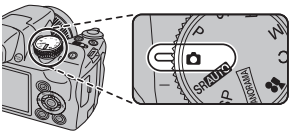
The Electronic Viewfinder (EVF)

The electronic viewfinder provides the same information as the monitor, and can be used when bright lighting conditions make the display in the monitor difficult to see. To switch between the monitor and electronic viewfinder, press the **EVF/LCD** button (your selection remains in effect when the camera is turned off or the mode dial is rotated to another setting).



The Mode Dial

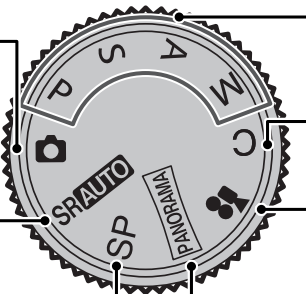
To select a shooting mode, align the mode icon with the mark next to the mode dial.



(AUTO): A simple "point-and-shoot" mode recommended for first-time users of digital cameras (pg. 21).

SRAUTO (SCENE RECOGNITION): A "point-and-shoot" mode in which the camera automatically adjusts settings to suit the scene (pg. 15).

SP (SCENE POSITION): Choose a scene suited to the subject or shooting conditions and let the camera do the rest (pg. 21).



P, S, A, M: Select for full control over camera settings, including aperture (**M** and **A**) and/or shutter speed (**M** and **S**) (pg. 26).

C (CUSTOM): Recall stored settings for modes **P**, **S**, **A**, and **M** (pg. 30).

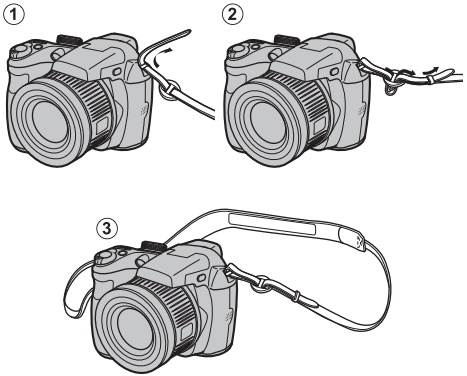
(MOVIE): Record movies with sound (pg. 57).

PANORAMA (MOTION PANORAMA): Take a series of photographs and combine them to form a panorama (pg. 24).

The Strap and Lens Cap

Attaching the Strap

Attach the strap to the two strap eyelets as shown below.

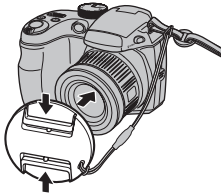


Caution

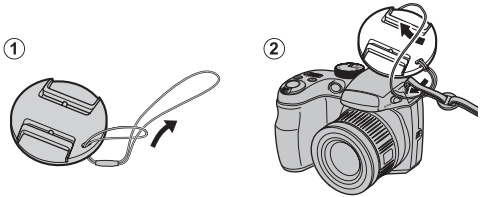
To avoid dropping the camera, be sure the strap is correctly secured.

The Lens Cap

Attach the lens cap as shown.



To avoid losing the lens cap, pass the supplied string through the eyelet (①) and secure the lens cap to the strap (②).



Inserting the Batteries

The camera takes four AA alkaline, lithium, or rechargeable Ni-MH batteries. A set of four alkaline batteries is supplied with the camera. Insert the batteries in the camera as described below.

1 Open the battery-chamber cover.

Slide the battery-chamber latch in the direction shown and open the battery-chamber cover.

Note

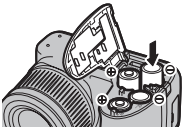
Be sure the camera is off before opening the battery-chamber cover.

Cautions

- Do not open the battery-chamber cover when the camera is on. Failure to observe this precaution could result in damage to image files or memory cards.
- Do not use excessive force when handling the battery-chamber cover.

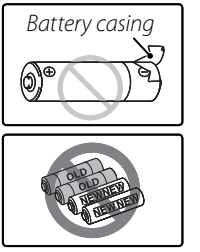
2 Insert the batteries.

Insert the batteries in the orientation shown by the "+" and "–" marks inside the battery chamber.



Cautions

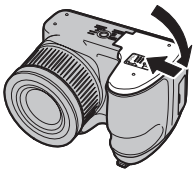
- Insert the batteries in the correct orientation.
- ***Never use batteries with peeling or damaged casing or mix old and new batteries, batteries with different charge levels, or batteries of different types***. Failure to observe these precautions could result in the batteries leaking or overheating.



- ***Never use manganese or Ni-Cd batteries***.
- The capacity of alkaline batteries varies with the manufacturer and drops at temperatures below 10 °C/50 °F; Ni-MH batteries are recommended.
- Fingerprints and other soil on the battery terminals can shorten battery life.

3 Close the battery-chamber cover.

Close the battery-chamber cover and slide it in until the latch clicks into place.



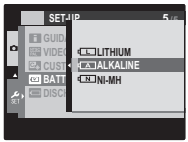
Caution

Do not use force. If the battery-chamber cover does not close, check that the batteries are in the correct orientation and try again.

Tip: Using an AC Power Adapter

The camera can be powered by an optional AC power adapter and DC coupler (sold separately).

Choosing the Battery Type



After replacing the batteries with batteries of a different type, select the battery type using the **BATTERY TYPE** option in the setup menu (pg. 100) to ensure that the battery level is displayed correctly and the camera does not turn off unexpectedly.

Inserting a Memory Card

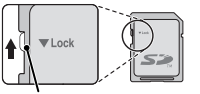
The camera can store pictures on SD memory cards (sold separately) .

■ *Compatible Memory Cards*

SanDisk SD and SDHC memory cards have been approved for use in the camera. A complete list of approved memory cards is available at *http://www.fujifilm.com/products/digital_cameras/index.html*. Operation is not guaranteed with other cards. The camera can not be used with ***xD-Picture Cards*** or MultiMediaCard (MMC) devices.

Caution

Memory cards can be locked, making it impossible to format the card or to record or delete images. Before inserting a memory card, slide the write-protect switch to the unlocked position.



Write-protect switch

■ *Inserting a Memory Card*

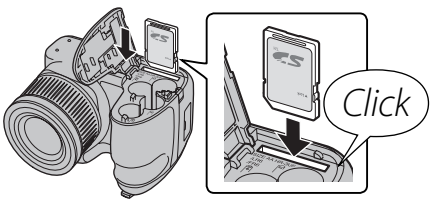
1 Open the battery-chamber cover.

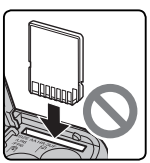
Note

Be sure the camera is off before opening the battery-chamber cover.

2 Insert the memory card.

Holding the memory card in the orientation shown below, slide it in until it clicks into place at the back of the slot.





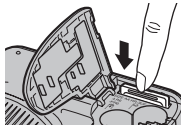
Be sure card is in correct orientation; do not insert at an angle or use force.

3 Close the battery-chamber cover.

Close the battery-chamber cover and slide it in until the latch clicks into place.

Removing Memory Cards

After confirming that the camera is off, press the card in and then release it slowly. The card can now be removed by hand.



Cautions

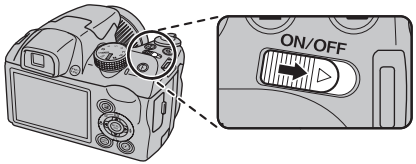
- The memory card may spring out if you remove your finger immediately after pushing the card in.
- Memory cards may be warm to the touch after being removed from the camera. This is normal and does not indicate a malfunction.

Cautions

- ***Do not turn the camera off or remove the memory card while the memory card is being formatted or data are being recorded to or deleted from the card***. Failure to observe this precaution could damage the card.
- Format memory cards before first use, and be sure to reformat all memory cards after using them in a computer or other device. For more information on formatting memory cards, see page 102.
- Memory cards are small and can be swallowed; keep out of reach of children. If a child swallows a memory card, seek medical assistance immediately.
- miniSD or microSD adapters that are larger or smaller than the standard dimensions of an SD card may not eject normally; if the card does not eject, take the camera to an authorized service representative. Do not forcibly remove the card.
- Do not affix labels to memory cards. Peeling labels can cause camera malfunction.
- Movie recording may be interrupted with some types of memory card. Use a CLASS 4 card or better when shooting HD movies.
- Formatting a memory card in the camera creates a folder in which pictures are stored. Do not rename or delete this folder or use a computer or other device to edit, delete, or rename image files. Always use the camera to delete pictures from memory cards; before editing or renaming files, copy them to a computer and edit or rename the copies, not the originals.

Shooting Mode

Slide the **ON/OFF** switch in the direction shown below. The lens will extend automatically.



Slide the **ON/OFF** switch to turn the camera off.

Tip: Switching to Playback Mode

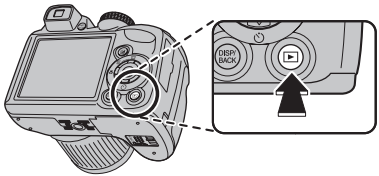
Press the ▶ button to start playback. Press the shutter button halfway to return to shooting mode.

Cautions

- Be sure that the lens cap is removed before turning the camera on.
- Forcibly preventing the lens from extending could cause damage or product malfunction.
- Pictures can be affected by fingerprints and other marks on the lens. Keep the lens clean.
- The **ON/OFF** button does not completely disconnect the camera from its power supply.

Playback Mode

To turn the camera on and begin playback, press the ▶ button for about a second.



Press the ▶ button again or slide the **ON/OFF** switch to turn the camera off.

Tip: Switching to Shooting Mode

To exit to shooting mode, press the shutter button halfway. Press the ▶ button to return to playback.

Tip: Auto Power Off

The camera will turn off automatically if no operations are performed for the length of time selected in the **AUTO POWER OFF** menu (see page 104). To turn the camera on, use the **ON/OFF** switch or press the ▶ button for about a second.

Basic Setup

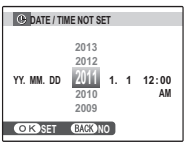
A language-selection dialog is displayed the first time the camera is turned on. Set up the camera as described below (for information on resetting the clock or changing languages, see page 99).

1 Choose a language.

1.1 Press the selector up or down to highlight a language.

1.2 Press **MENU/OK**.

2 Set the date and time.



2.1 Press the selector left or right to highlight the year, month, day, hour, or minute and press up or down to change. To change the order in which the year, month, and day are displayed, highlight the date format and press the selector up or down.

2.2 Press **MENU/OK**. A battery type message will be displayed; if the type differs from the type inserted in the camera, use the setup menu **BATTERY TYPE** option (pg. 100) to specify the correct type.

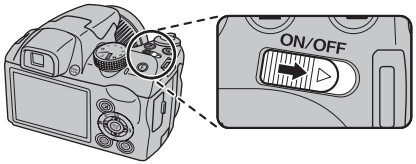
Tip: The Camera Clock

If the batteries are removed for an extended period, the camera clock and battery type will be reset and the language-selection dialog will be displayed when the camera is turned on. If the batteries are left in the camera for about 10 hours, the battery can be removed for about 24 hours without resetting the clock, language, or battery type.

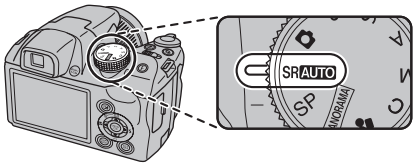
Taking Pictures in SR AUTO (Scene Recognition) Mode

This section describes how to take pictures in **SR AUTO** mode.

1 Turn the camera on.
Slide the **ON/OFF** switch to turn the camera on.



2 Select **SR AUTO** mode.
Rotate the mode dial to **SR AUTO**.



SR AUTO

In this mode, the camera automatically analyzes the composition and selects a scene according to shooting conditions and the type of subject:

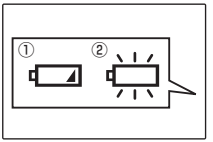
Selected scene

- (PORTRAIT): Human portrait subject.
- (LANDSCAPE): Man-made or natural landscape.
- (NIGHT): Poorly-lit landscape.
- (MACRO): Subject close to camera.
- (NIGHT PORTRAIT): Poorly-lit portrait subject.
- (BACKLIT PORTRAIT): Back-lit portrait subject.

(AUTO) is selected if none of the above are detected.

3 Check the battery level.

Check the battery level in the display.



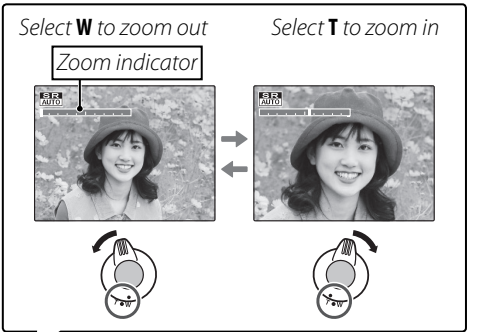
Indicator	Description
NO ICON	Batteries are partially discharged.
① (red)	Batteries are low. Replace as soon as possible.
② (blinks red)	Batteries are exhausted. Turn camera off and replace batteries.

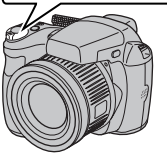
Note

A battery warning may not be displayed before the camera turns off, particularly if batteries are reused after having once been exhausted. Power consumption varies greatly from mode to mode; the low battery warning ( ) may not be displayed or may be displayed only briefly before the camera turns off in some modes or when switching from shooting to playback mode.

4 Frame the picture.

Use the zoom control to frame the picture in the display.





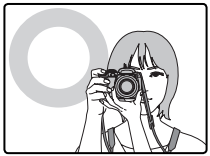
By default setting, the camera uses optical zoom only. If desired, digital zoom (pg. 104) can be used to zoom in closer.

Tip: Focus Lock

Use focus lock (pg. 33) to focus on subjects that are not in the focus frame.

Holding the Camera

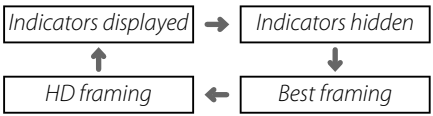
Hold the camera steady with both hands and brace your elbows against your sides. Shaking or unsteady hands can blur your shots.



To prevent pictures that are out of focus or too dark (underexposed), keep your fingers and other objects away from the lens and flash.

Shooting Information

To choose the shooting information and guides displayed, press the **DISP/BACK** button.



To use best framing, position the main subject at the intersection of two lines or align one of the horizontal lines with the horizon. When HD framing is used, 16:9 aspect ratio guide lines are displayed to make it easy to frame HD shots. Use focus lock (pg. 33) to focus on subjects that will not be in the center of the frame in the final photograph.

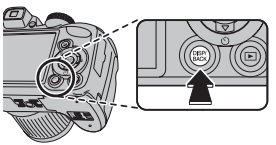
Avoiding Blurred Pictures

If the subject is poorly lit, blurring caused by camera shake can be reduced using the **DUAL IS MODE** option in the setup menu (pg. 100). In mode, blur caused by subject movement is also reduced (dual IS mode).

Sensitivity is raised when dual IS is in effect. Note that blurring may still occur depending on the scene. We recommend that you turn dual IS off when using a tripod.

Silent Mode

In situations in which camera sounds or lights may be unwelcome, hold the **DISP/BACK** button down until OFF is displayed (note that silent mode is not available during movie or voice memo playback).



The camera speaker and AF-assist illuminator/self-timer lamp turn off and volume (pg. 99) can not be adjusted (note that the AF-assist illuminator may still light when NO is selected in scene mode). To restore normal operation, press the **DISP/BACK** button until the OFF icon is no longer displayed.

5 Focus.

Press the shutter button halfway to focus.

Note

The lens may make a noise when the camera focuses; this is normal. In SR AUTO mode, the camera continuously adjusts focus, increasing the drain on the batteries.

If the camera is able to focus, it will beep twice and the indicator lamp will glow green.

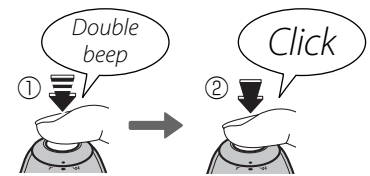
If the camera is unable to focus, the focus frame will turn red, **!AF** will be displayed, and the indicator lamp will blink green. Change the composition or use focus lock (pg. 33).

6 Shoot.

Smoothly press the shutter button the rest of the way down to take the picture.

Tip: The Shutter Button

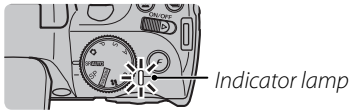
The shutter button has two positions. Pressing the shutter button halfway (①) sets focus and exposure; to shoot, press the shutter button the rest of the way down (②).



Note

If the subject is poorly lit, the AF-assist illuminator may light to assist focus (pg. 34). For information on using the flash when lighting is poor, see page 36.

The Indicator Lamp



The indicator lamp shows camera status as follows:

Indicator lamp	Camera status
Glows green	Focus locked.
Blinks green	Blur, focus, or exposure warning. Picture can be taken.
Blinks green and orange	Recording pictures. Additional pictures can be taken.
Glows orange	Recording pictures. No additional pictures can be taken at this time.
Blinks orange	Flash charging; flash will not fire when picture is taken.
Blinks red	Lens or memory error (memory card full or not formatted, format error, or other memory error).

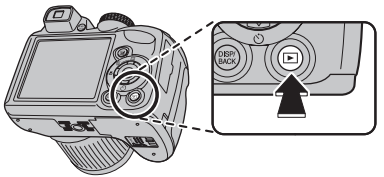
Tip: Warnings

Detailed warnings appear in the display. See pages 116–119 for more information.

Viewing Pictures

Pictures can be viewed in the monitor. When taking important photographs, take a test shot and check the results.

1 Press the ▶ button.



The most recent picture will be displayed in the monitor.

2 View additional pictures.

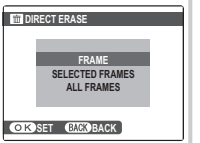
Press the selector right to view pictures in the order recorded, left to view pictures in reverse order.

Press the shutter button to exit to shooting mode.

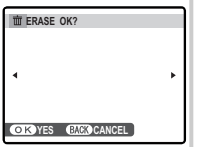
Deleting Pictures

To delete the picture currently displayed in the monitor, press the selector up (🗑). The following dialog will be displayed.

- Select **FRAME** and press **MENU/OK**.



- To delete the picture, press **MENU/OK**.



To exit without deleting the picture, press **DISP/BACK**.

Tip: The Playback Menu

Pictures can also be deleted from the playback menu (pg. 54).

Shooting Mode

Choose a shooting mode according to the scene or type of subject. To choose a shooting mode, rotate the mode dial to the desired setting (pg. 6). The following modes are available:

SR AUTO *SCENE RECOGNITION*

The camera automatically analyzes the composition and selects the appropriate scene mode according to the subject and shooting conditions (pg. 15).

AUTO

Choose for crisp, clear snapshots. This mode is recommended in most situations.

SP *SCENE POSITION*

The camera offers a choice of "scenes," each adapted to particular shooting conditions or a specific type of subject, which can be assigned to the **SP** position on the mode dial:

1 Rotate the mode dial to **SP**.

2 Press **MENU/OK** to display the shooting menu.

3 Press the selector up or down to highlight **SCENE POSITION**.

4 Press the selector right to display a list of scenes.

5 Press the selector up or down to highlight a scene.

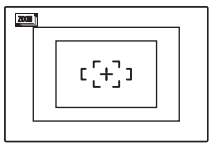
6 Press **MENU/OK** to select the highlighted option.

Until the setting is changed as described above, the chosen scene will be selected whenever the mode dial is rotated to **SP**.

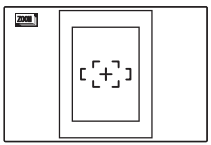
Scene	Description
ZOOM BRACKETING	The camera takes three shots: one at the current zoom ratio, a second zoomed in 1.4×, and a third zoomed in 2×.
NATURAL & ϟ	Get good results with backlit subjects and other difficult lighting. The camera takes two shots: one without the flash and one with.
NATURAL LIGHT	Capture natural light indoors, under low light, or where the flash can not be used.
PORTRAIT	Choose this mode for soft-toned portraits with natural skin tones.
BABY MODE	Choose for natural skin tones when taking portraits of infants. The flash turns off automatically.
SMILE&SHOOT	The shutter is released automatically when Intelligent Face Detection detects a smiling face.
LANDSCAPE	Choose this mode for crisp, clear daylight shots of buildings and landscapes.
SPORT	Choose this mode when photographing moving subjects. Priority is given to faster shutter speeds.
NIGHT	Choose this mode for poorly lit twilight or night scenes. Sensitivity is automatically raised to reduce blur caused by camera shake.
NIGHT (TRIPOD)	Choose this mode for slow shutter speeds when shooting at night. Use a tripod to prevent blur.
FIREWORKS	Slow shutter speeds are used to capture the expanding burst of light from a firework. Press the ⊠ button to display a shutter-speed selection dialog and press the selector up and down to choose a shutter speed.
SUNSET	Choose this mode to record the vivid colors in sunrises and sunsets.
SNOW	Choose for crisp, clear shots that capture the brightness of scenes dominated by shining white snow.
BEACH	Choose for crisp, clear shots that capture the brightness of sunlit beaches.
PARTY	Capture indoor background lighting under low-light conditions.
FLOWER	Choose for vivid close-ups of flowers. The camera focuses in the macro range.
TEXT	Take clear pictures of text or drawings in print. The camera focuses in the macro range.

Zoom Bracketing

Each time the shutter button is pressed, the camera takes three pictures: one at the current zoom ratio with an image size of **L**, a second zoomed in 1.4× and cropped to **M**, and a third zoomed in 2× and cropped to **S** (pictures will only be taken if there is enough memory for three images). Two frames are displayed to show the areas that will be included in the second and third pictures; the outer frame shows the area that will be recorded at 1.4× zoom, the inner frame the area that will be recorded at 2× zoom. Press the selector down to choose from wide and tall crops.



Wide



Tall

Notes

- Digital zoom can not be used. If digital zoom is active when mode is selected, zoom will be set to the maximum optical zoom position.
- Burst shooting options are limited to and **OFF**.

Natural &

This mode helps ensure good results with backlit subjects and in other situations with difficult lighting. Before shooting, raise the flash; pictures can only be taken when the flash is raised. Each time the shutter button is pressed, the camera takes two shots: one shot without the flash to preserve natural lighting, followed immediately by a second shot with the flash. Do not move the camera until shooting is complete.

Notes

- Do not use where flash photography is prohibited.
- Only available if memory remains for two pictures.
- Burst mode is not available.

Natural Light

Capture natural light indoors, under low light, or where the flash can not be used. The flash turns off and sensitivity is raised to reduce blur.

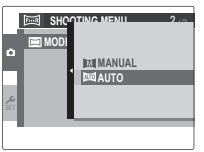
PANORAMA *MOTION PANORAMA*

In this mode, you can take up to three pictures and join them together to form a panorama. Use of a tripod is recommended to assist in composing overlapping shots.

1 Rotate the mode dial to PANORAMA.

2 Press **MENU/OK** to display the shooting menu.

3 Select AUTO **AUTO** from **MODE** in the shooting menu (pg. 78).



4 Press the selector up to select a frame. Press the selector left or right to highlight a pan direction and press **MENU/OK**.

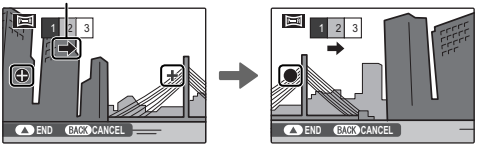
5 Take a photograph. Exposure and white balance for the panorama are set with the first shot.

Note

The camera zooms all the way out and zoom remains fixed at the widest angle until shooting is complete.

6 Frame the next shot to overlap with the previous picture by superimposing ✪ on + so that they form a solid circle (●). The camera will release the shutter automatically.

Pan direction



Display after 1st shot *Shutter released*

7 Take the last shot as described in Step 6.

Note

To end shooting and create a panorama after the first or second shot, press the multi selector up after completing Step 5 or Step 6 and proceed to Step 8.

8 Press **MENU/OK** to save the picture.

Cautions

- Panoramas are created from multiple frames. The camera may in some cases be unable to stitch the frames together perfectly.
- The desired results may not be achieved with moving subjects, subjects close to the camera, unvarying subjects such as the sky or a field of grass, subjects that are in constant motion, such as waves and waterfalls, or subjects that undergo marked changes in brightness. Panoramas may be blurred if the subject is poorly lit.

For Best Results

For best results, be careful not to tilt the camera backward or forward or to either side and try not to move the camera while ⊕ and + are aligned to form a solid circle.

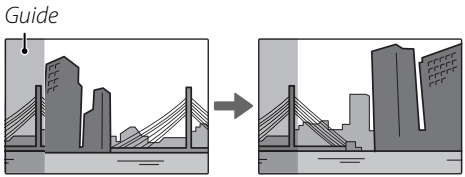
Printing Panoramas

Depending on the page size and the size of the panorama, panoramas may print with their edges cropped out or with wide margins at the top and bottom or at both sides.

Framing Panoramas Manually

Follow the steps below if the desired results are not achieved with AUTO **AUTO** selected for **MODE**:

1. Select **MANUAL** for **MODE** in the shooting menu.
2. Select a frame and take the first shot.
3. Press **MENU/OK** to display a guide showing an edge of the picture you have just taken. Take the next shot, framing it to overlap with the previous picture.

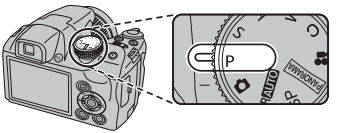


Display after 1st shot *Frame next shot*

4. Repeat Step 3 to take the third shot and then press **MENU/OK** to display the completed panorama.
5. Press **MENU/OK** to save the picture.

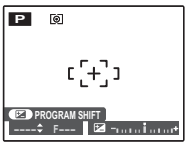
P: PROGRAM AE

In this mode, the camera sets exposure automatically. If desired, you can choose different combinations of shutter speed and aperture that will produce the same exposure (program shift).



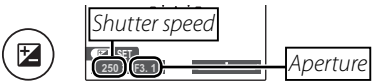
Caution

If the subject is outside the metering range of the camera, the shutter speed and aperture displays will show "---". Press the shutter button halfway to measure exposure again.



Program Shift

Press the ⚡ button to choose the desired combination of shutter speed and aperture. Values that differ from those automatically selected by the camera are shown in yellow. The default values can be restored by raising the flash or turning the camera off. Program shift is not available when the flash is raised.

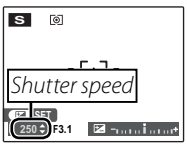


S: SHUTTER PRIORITY AE

In this mode, you choose the shutter speed while the camera adjusts aperture for optimal exposure.

1 Rotate the mode dial to **S**.

2 Press the ⊠ button. Shutter speed and aperture will be displayed.



3 Press the selector up or down to choose the shutter speed.

4 Press the ⊠ button to exit to shooting mode.

5 Take pictures. If the correct exposure can not be achieved at the selected shutter speed, aperture will be displayed in red when the shutter button is pressed halfway. Adjust shutter speed until the correct exposure can be achieved.

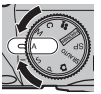
Caution

If the subject is outside the metering range of the camera, the aperture display will show "---". Press the shutter button halfway to measure exposure again.

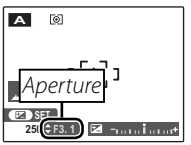
A: APERTURE PRIORITY AE

In this mode, you choose the aperture while the camera adjusts shutter speed for optimal exposure.

1 Rotate the mode dial to **A**.



2 Press the ⊠ button. Shutter speed and aperture will be displayed.



3 Press the selector up or down to choose the aperture.

4 Press the ⊠ button to exit to shooting mode.

5 Take pictures. If the correct exposure can not be achieved at the selected aperture, shutter speed will be displayed in red when the shutter button is pressed halfway. Adjust aperture until the correct exposure can be achieved.

Caution

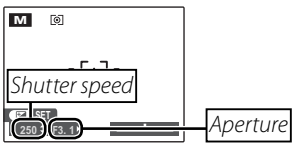
If the subject is outside the metering range of the camera, the shutter speed display will show "---". Press the shutter button halfway to measure exposure again.

M: *MANUAL*

In this mode, you choose both shutter speed and aperture. If desired, exposure can be altered from the value suggested by the camera.

1 Rotate the mode dial to **M**.

2 Press the ⊠ button. Shutter speed and aperture will be displayed.



3 Press the selector up or down to choose the shutter speed.

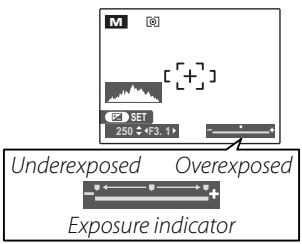
4 Press the selector left or right to choose the aperture.

5 Press the ⊠ button to exit to shooting mode.

6 Take pictures.

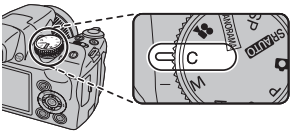
The Exposure Indicator

The amount the picture will be under- or over-exposed at current settings is shown by the exposure indicator. Pictures taken with the indicator to the left of center ("–") will be underexposed, pictures taken with the indicator is to the right of center ("+"), overexposed.



C: CUSTOM MODE

In **P**, **S**, **A**, and **M** modes, the **CUSTOM SET** option in the shooting menu (pg. 78) can be used to save current camera and menu settings. These settings are recalled whenever the mode dial is rotated to **C** (custom mode).



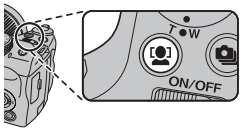
Menu/setting	Settings saved
F-mode menu	**ISO**, **IMAGE SIZE**, **FINEPIX COLOR**
Shooting menu	**IMAGE QUALITY**, **PHOTOMETRY**, **WHITE BALANCE**, **AF MODE**, **SHARPNESS**, **FLASH**, **AE BKT EV STEPS**, **FACE RECOGNITION**
Setup menu	**IMAGE DISP**, **DUAL IS MODE**, **AF ILLUMINATOR**, **DIGITAL ZOOM**, **EVF/LCD MODE**
Other	Shooting mode (**P**, **S**, **A**, or **M**), continuous shooting mode, Intelligent Face Detection, instant zoom, macro mode, exposure compensation, flash mode, shutter speed, aperture, display type (EVF/LCD), indicators/best framing

Intelligent Face Detection

Intelligent Face Detection allows the camera to automatically detect human faces and set focus and exposure for a face anywhere in the frame for shots that emphasize portrait subjects. Choose for group portraits (in horizontal or vertical orientations) to prevent the camera from focusing on the background.

1 Turn Intelligent Face Detection on.

Intelligent Face Detection is turned on or off each time (Intelligent Face Detection) is pressed.



2 Frame the picture.

If a face is detected, it will be indicated by a green border. If there is more than one face in the frame, the camera will select the face closest to the center; other faces are indicated by white borders.

Green border

3 Focus.

Press the shutter button halfway to set focus and exposure for the subject in the green border.

Caution

If no face is detected when the shutter button is pressed halfway (pg. 111), the camera will focus on the subject at the center of the display and red-eye will not be removed.

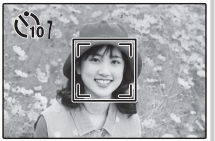
4 Shoot.

Press the shutter button all the way down to shoot.

Caution

If the subject moves as the shutter button is pressed, their face may not be in the area indicated by the green border when the picture is taken. If the number of faces is large, additional time may be required for processing.

Intelligent Face Detection

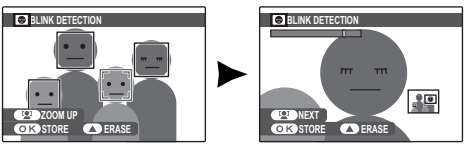


Intelligent Face Detection is recommended when using the self-timer for group- or self-portraits (pg. 38).

When a picture taken with Intelligent Face Detection is displayed, the camera can automatically select faces for red-eye removal (pg. 91), playback zoom (pg. 47), slide shows (pg. 87), image search (pg. 53), image disp. (pg. 102), printing (pg. 62), and cropping (pg. 93).

Blink Detection

If an option other than **OFF** is selected for **IMAGE DISP.** (pg. 102), a warning will be displayed if the camera detects subjects who may have blinked when the picture was taken. If **ZOOM (CONTINUOUS)** is selected, you can press the button to zoom in on these subjects.



Caution

Blink detection is not performed if the camera fails to detect a face or when **OFF** is selected for **IMAGE DISP.**.

Tip: Blink Detection

Blink detection can be turned on or off in the setup menu (pg. 100).

Focus Lock

To compose photographs with off-center subjects:

1 Position the subject in the focus frame.

2 Focus.
Press the shutter button halfway to set focus and exposure. Focus and exposure will remain locked while the shutter button is pressed halfway (AF/AE lock).

Press halfway

Repeat steps 1 and 2 as desired to refocus before taking the picture.

3 Recompose the picture.
Keeping the shutter button pressed halfway, recompose the picture.

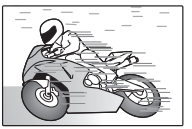
4 Shoot.
Press the shutter-release button the rest of the way down to take the picture.

Press the rest of the way down

Autofocus

Although the camera boasts a high-precision autofocus system, it may be unable to focus on the subjects listed below. If the camera is unable to focus using autofocus, use focus lock (pg. 33) to focus on another subject at the same distance and then recompose the photograph.

- Very shiny subjects such as mirrors or car bodies.
- Fast-moving subjects.



- Subjects photographed through a window or other reflective object.
- Dark subjects and subjects that absorb rather than reflect light, such as hair or fur.
- Insubstantial subjects, such as smoke or flame.
- Subjects that show little contrast with the background (for example, subjects in clothing that is the same color as the background).
- Subjects positioned in front of or behind a high-contrast object that is also in the focus frame (for example, a subject photographed against a backdrop of highly contrasting elements).

The AF-Assist Illuminator

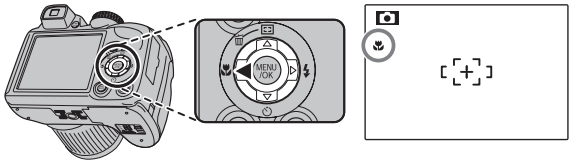
If the subject is poorly lit, the AF-assist illuminator will light to assist the focus operation when the shutter button is pressed halfway.

Notes

- Avoid shining the AF-assist illuminator directly into your subject's eyes.
- The camera may be unable to focus using the AF-assist illuminator in some cases. If the camera is unable to focus in macro mode (pg. 35), try increasing the distance to the subject.

Macro and Super Macro Modes (Close-ups)

For close-ups, press the selector left (🌷) to choose from the macro options shown below.



Choose from 🌷 (macro mode), 🌷 (super macro mode), or **OFF** *(macro mode off)*

When macro mode is in effect, the camera focuses on subjects near the center of the frame. Use the zoom control to compose pictures. In super macro mode, zoom can not be adjusted and the flash can not be used.

☛ Notes

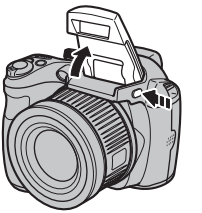
- Use of a tripod is recommended to prevent blur caused by camera shake.
- Flash compensation may be required when using the flash (pg. 85).
- Using the flash at close range may cast a lens shadow. Zoom a little or have more distance from the subject.

ϟ Using the Flash (Intelligent Flash)

When the flash is used, the camera's ***Intelligent Flash*** system instantly analyzes the scene based on such factors as the brightness of the subject, its position in the frame, and its distance from the camera. Flash output and sensitivity are adjusted to ensure that the main subject is correctly exposed while preserving the effects of ambient background lighting, even in dimly-lit indoor scenes. Use the flash when lighting is poor, for example when shooting at night or indoors under low light.

1 Raise the flash.

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

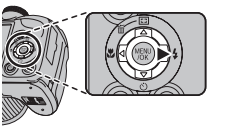


Turning the Flash Off

Lower the flash where flash photography is prohibited or to capture natural lighting under dim light. At slow shutter speeds, ⚠ will be displayed to warn that pictures may be blurred; use of a tripod is recommended.

2 Choose a flash mode.

Press the selector right (ϟ). The flash mode changes each time the selector is pressed.



Mode	Description
AUTO/AUTO (AUTO FLASH)	The flash fires when required. Recommended in most situations.
ϟ/ϟ (FORCED FLASH)	The flash fires whenever a picture is taken. Use for backlit subjects or for natural coloration when shooting in bright light.
SLOW/SLOW (SLOW SYNCHRO)	Capture both the main subject and the background under low light (note that brightly lit scenes may be overexposed).

3 Focus.

Press the shutter button halfway to focus. If the flash will fire, ϟ will be displayed when the shutter button is pressed halfway. At slow shutter speeds, ! will appear in the display to warn that pictures may be blurred; use of a tripod is recommended.

4 Shoot.

Press the shutter button the rest of the way down to shoot.

⚠ Caution

The flash may fire several times with each shot. Do not move the camera until shooting is complete.

☛ Note

The peripheral part of an image may be dark when using the flash.

Red-Eye Removal

When Intelligent Face Detection is active (pg. 31), and **ON** is selected for **RED EYE REMOVAL** in the setup menu (pg. 91), red-eye removal is available in AUTO, ϟ, and SLOW.

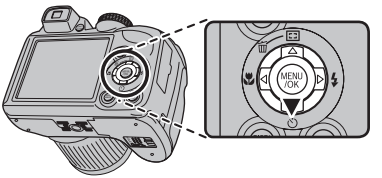
Red-eye removal minimizes "***red-eye***" caused when light from the flash is reflected from the subject's retinas as shown in the illustration at right.

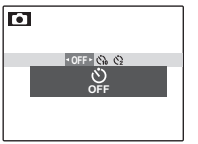
Using the Self-Timer

The camera offers a ten-second timer that allows photographers to appear in their own photographs, and a two-second timer that can be used to avoid blur caused by the camera moving when the shutter button is pressed. The self-timer is available in all shooting modes.

1 Set the timer.

Press the selector down (), and then press the selector left or right to highlight an option and press **MENU/OK**.





Choose from **OFF** *(self-timer off),* *(10 s delay), or* *(2 s delay)*

2 Focus.

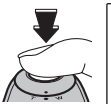
Press the shutter button halfway to focus.

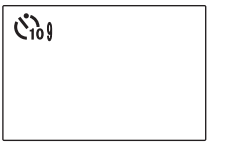
Caution

Stand behind the camera when using the shutter button. Standing in front of the lens can interfere with focus and exposure.

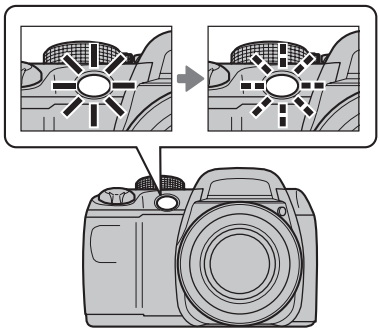
3 Start the timer.

Press the shutter button the rest of the way down to start the timer. The display shows the number of seconds remaining until the shutter is released. To stop the timer before the picture is taken, press **DISP/BACK**.





The self-timer lamp on the front of the camera will blink immediately before the picture is taken. If the two-second timer is selected, the self-timer lamp will blink as the timer counts down.



Intelligent Face Detection

Because it ensures that the faces of portrait subjects will be in focus, Intelligent Face Detection (pg. 31) is recommended when using the self-timer for group portraits or self-portraits. To use the self-timer with Intelligent Face Detection, select **10 SEC** or **2 SEC** in the self-timer menu and then press the shutter button all the way down to start the timer. The camera will detect faces while the timer is counting down and adjust focus and exposure immediately before the shutter is released. Be careful not to move until the picture has been recorded.

Note

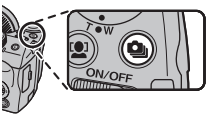
The self-timer turns off automatically when the picture is taken, a different shooting mode is selected, playback mode is selected, or the camera is turned off.

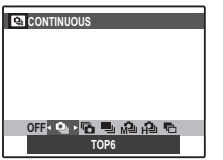
Continuous Shooting (Burst Mode)

Capture motion in a series of pictures.

1 Choose a continuous shooting mode.

Press the button to display continuous shooting options. Press the selector ◀ or ▶ to highlight the desired option and press **MENU/OK**.





Mode	Description
OFF	Continuous shooting mode off. One picture is taken each time the shutter button is pressed.
(TOP 6)	The camera takes up to 6 pictures while the shutter button is pressed.
(FINAL 6)	The camera takes up to 40 pictures while the shutter button is pressed, but only the last 6 frames are recorded.
(LONG PERIOD)	The camera takes pictures while the shutter button is pressed. Shooting ends when the shutter button is released or memory is full.
(TOP 20)	The camera takes up to 20 pictures while the shutter button is pressed.
(TOP 40)	The camera takes up to 40 pictures while the shutter button is pressed.
(AE BKT)	Each time the shutter-release button is pressed, the camera takes three shots: one using the metered value for exposure, the second overexposed by the amount selected for **AE BKT EV STEPS** in the shooting menu (pg. 85), and the third underexposed by the same amount (the camera may not be able to use the selected bracketing increment if the amount of over- or under-exposure exceeds the limits of the exposure metering system).

2 Focus.
Press the shutter button halfway to focus.

3 Shoot.
Pictures will be taken while the shutter button is pressed. Shooting ends when the shutter button is released, memory is full, or the selected number of shots has been taken.

Notes

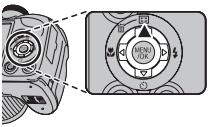
- Focus and exposure are determined by the first frame in each series. The flash turns off automatically; the previously-selected flash mode is restored when continuous shooting is turned off.
- Frame rate varies with shutter speed.
- If the self-timer is used when and are selected, only one picture will be taken when the shutter button is pressed.
- At a setting of , white lines may appear in bright areas of the image; these can be avoided by choosing mode.
- The number of pictures that can be recorded depends on the memory available. AE bracketing is only available if there is sufficient memory for three pictures. Additional time may be required to record pictures when shooting ends.

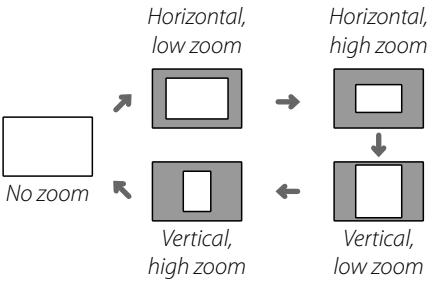
Instant Zoom

In instant zoom, the area surrounding the frame is visible in the display. Use to frame erratically moving subjects such as children, pets, and athletes at sporting events.

1 Position the subject in the focus frame.
Use the zoom control to frame the subject in the center of the display.

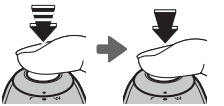
2 Choose a frame.
Press the selector up (⊡) to cycle through framing options as shown below.





The frame is displayed as shown at right. The composition can be adjusted using the zoom control.

3 Focus and shoot.
The framed area will be enlarged to create a full-sized picture.



Tip: Intelligent Face Detection
Intelligent Face Detection will not detect faces outside the selected frame.

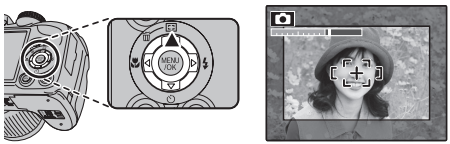
Caution
Only horizontal (landscape-orientation) framing is available when 🔇, 🔇, 🔇, or 🔇 is selected for continuous shooting mode.

■ *Digital Zoom*

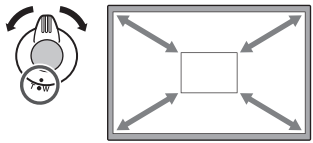
1 Enable digital zoom.
Select **ON** for the **DIGITAL ZOOM** option in the setup menu (pg. 104).

2 Choose a subject.
Frame the subject in the center of the display using digital zoom.

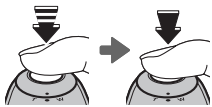
3 Press the selector up (E).
The camera will zoom to the maximum optical zoom position with the area that will be recorded using digital zoom indicated by a frame at the center of the display.



4 Frame the picture.
Use the zoom control to choose the area that will be included in the final photograph.



5 Focus and shoot.
The framed area will be enlarged to create a full-sized picture.

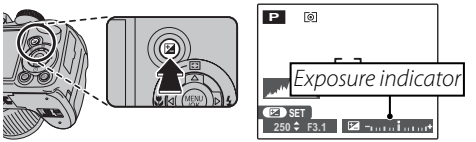


Caution
Pictures taken using the instant zoom are lower quality than pictures taken using normal zoom.

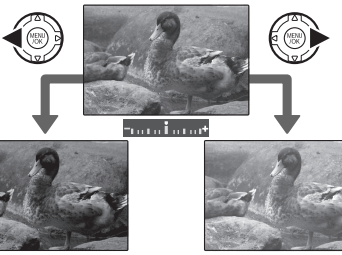
Exposure Compensation

Use exposure compensation when photographing very bright, very dark, or high-contrast subjects.

1 Press the ± button.
The exposure indicator will be displayed.



2 Choose a value.
Press the selector left or right. The effect is visible in the display.



Choose negative values to reduce exposure ("–" sign turns yellow)

Choose positive values to increase exposure ("+" sign turns yellow)

3 Return to shooting mode.
Press the ± button to return to shooting mode.

4 Take pictures.

Note

A ± icon and exposure indicator are displayed at settings other than ±0. Exposure compensation is not reset when the camera is turned off; to restore normal exposure control, choose a value of ±0.

Choosing an Exposure Compensation Value

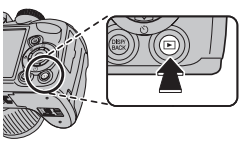
- **Backlit subjects**: choose values from +⅔ EV to +1⅔ EV (for an explanation of the term "EV", see the Glossary on page 120)

- **Highly reflective subjects or very bright scenes** (e.g., snowfields): +1 EV

- **Scenes that are mostly sky**: +1 EV
- **Spotlit subjects** (particularly if photographed against dark backgrounds): –⅔ EV
- **Subjects with low reflectivity** (pine trees or dark-colored foliage): –⅔ EV

Playback Options

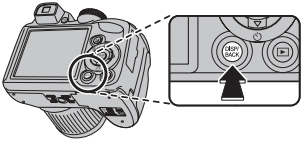
To view the most recent picture in the monitor, press the ▶ button.

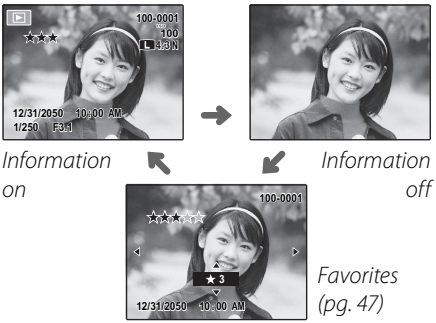


Press the selector right to view pictures in the order recorded, left to view pictures in reverse order. Keep the selector pressed to scroll rapidly to the desired frame.

Choosing a Display Format

Press the **DISP/BACK** button to cycle through playback display formats as shown below.





Information on

Information off

Favorites (pg. 47)

Note

Pictures taken using other cameras are indicated by a 🎁 (“gift image”) icon during playback.

Playback Zoom

Select **T** to zoom in on pictures displayed in single-frame playback; select **W** to zoom out. When the picture is zoomed in, the selector can be used to view areas of the image not currently visible in the display.

Zoom indicator

Navigation window shows portion of image currently displayed in monitor

Press **DISP/BACK** to exit zoom.

Note

The maximum zoom ratio varies with image size. Playback zoom is not available with copies resized or cropped to a size of 640.

Intelligent Face Detection

Pictures taken with Intelligent Face Detection (pg. 31) are indicated by a icon. Press the button to zoom in on the subject selected with Intelligent Face Detection. You can then use the zoom control to zoom in and out.

★ Favorites: Rating Pictures

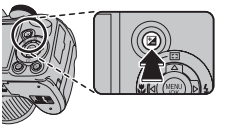
To rate the picture currently displayed in full-frame playback, press **DISP/BACK** and press the selector up and down to select from zero to five stars.

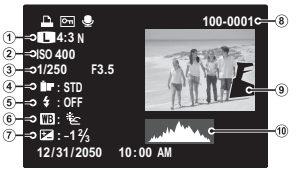
Tip: Favorites

Ratings can be used for image search (pg. 53).

Viewing Photo Information

To view or hide the photo information listed below in single-frame playback, press ⊡.





① Image quality and size, ② Sensitivity, ③ Shutter speed/aperture, ④ FinePix color, ⑤ Flash mode, ⑥ White balance, ⑦ Exposure compensation, ⑧ Frame number, ⑨ Picture (overexposed areas blink on and off), ⑩ Histogram

Histograms

Histograms show the distribution of tones in the image. Brightness is shown by the horizontal axis, the number of pixels by the vertical axis.

Optimal exposure: Pixels are distributed in an even curve throughout the tone range.

Overexposed: Pixels are clustered at the right side of the graph.

Underexposed: Pixels are clustered at the left side of the graph.

Multi-Frame Playback

To change the number of images displayed during playback, select **W**.

Select **W** *to increase the number of pictures displayed to one frame with previous and next, two, nine, or a hundred.*

Select **T** *to reduce the number of images displayed.*

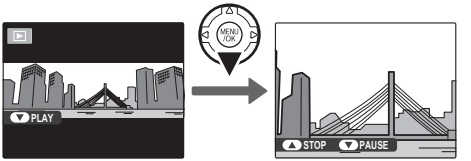
Use the selector to highlight images and press **MENU/OK** to view the highlighted image full frame. In the nine- and hundred-frame displays, press the selector up or down to view more pictures.

Tip: Two-Frame Display

Two-frame display can be used to compare pictures taken in mode.

Viewing Panoramas

To view a panorama, display in single-frame view and press the selector down.



The following operations can be performed during playback:

Operation	Button	Description
Start/pause playback		**Press the selector down** to start playback. Press again to pause.
End playback		**Press the selector up** to end playback.

PhotoBook Assist

Create books from your favorite photos.

Creating a PhotoBook

1 Select **PHOTOBOOK ASSIST** in the playback menu.

2 Highlight **NEW BOOK**.

3 Press **MENU/OK** to display the new book dialog.

4 Choose pictures for the new book.

- **SELECT FROM ALL**: Choose from all the pictures available.
- **SELECT BY IMAGE SEARCH**: Choose from pictures matching selected search conditions (pg. 53).

Note

Neither photographs 640 or smaller nor movies can be selected for photobooks.

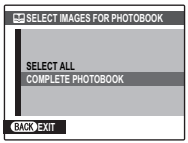
5 Scroll through the images and press the selector up to select or deselect the current image for inclusion in the book. To display the current image on the cover, press the selector down.

Note

The first picture selected automatically becomes the cover image. Press the selector down to select a different picture for the cover.

6 Press **MENU/OK** to exit when the book is complete.

7 Highlight **COMPLETE PHOTOBOOK**.



Note

Choose **SELECT ALL** to select all photos, or all photos matching the specified search conditions, for the book.

8 Press **MENU/OK**. The new book will be added to the list in the photobook assist menu.

Cautions

- Photobooks can contain up to 300 pictures.
- Books that contain no photos are automatically deleted.

PhotoBooks

Photobooks can be copied to a computer using the supplied MyFinePix Studio software.

Viewing PhotoBooks

Highlight a book in the photobook assist menu and press **MENU/OK** to display the book, then press the selector left and right to scroll through the pictures. Press **DISP/BACK** to return to the photobook assist menu.

Editing and Deleting PhotoBooks

1 Display the photobook and press **MENU/OK** to view book edit options.

2 Choose from the following options:

- **EDIT**: Edit the book as described in "Creating a PhotoBook" on page 51.
- **ERASE**: Delete the current photobook.

3 Follow the on-screen instructions.

Image Search

Search for pictures by date, subject, scene, file type, and rating.

1 Select **IMAGE SEARCH** in the playback menu.

2 Highlight one of the following options and press **MENU/OK**:

Option	Description
BY DATE	Find all pictures taken on a selected date.
BY FACE	Find all pictures based on specified face information.
BY ★ FAVORITES	Find all pictures with a specified rating (pg. 47).
BY SCENE	Find all pictures that match a selected scene.
BY TYPE OF DATA	Find all still pictures or all movies.
BY UPLOAD MARK	Find all pictures selected for upload to a specified destination (pg. 89).

3 Select a search condition. Only pictures that match the search condition will be displayed. To delete or protect selected pictures or to view the selected pictures in a slide show, press **MENU/OK** and choose from the following options:

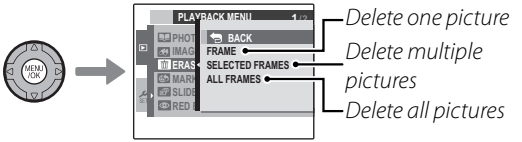
Option	See page
ERASE	54
PROTECT	92
SLIDE SHOW	87

4 To end the search, select **EXIT SEARCH**.

Deleting Pictures

In the playback menu, you can select and delete individual pictures or delete all pictures at once. ***Note that deleted pictures cannot be recovered. Copy important pictures to a computer or other storage device before proceeding.***

Press the **MENU/OK** button to display the playback menu, and then select the desired method for deleting pictures on the **ERASE** screen.



Deleting One Picture

Press ◀ or ▶ to select the desired picture and then press the **MENU/OK** button to delete the picture that is displayed.

Tips

- The picture is deleted when the **MENU/OK** button is pressed, so be careful not to accidentally delete pictures.
- Pressing the **MENU/OK** button repeatedly will delete consecutive pictures. Press ◀ or ▶ to select the picture that you want to delete before you press the **MENU/OK** button.

Deleting Multiple Pictures

All pictures marked with a checkmark ☑ can be deleted at once.

Tip

Pictures that have been selected for a DPOF print order and protected pictures are indicated by **!**.

1 Select each picture you want to delete and press the **MENU/OK** button.

- Each picture will be marked with a checkmark ☑.
- Press the **MENU/OK** button again to remove the checkmark.

2 After selecting all the pictures you want to delete, press the **DISP/BACK** button.
A confirmation screen is displayed.

3 Select **OK** and press the **MENU/OK** button to delete the selected pictures.

Deleting All Pictures

You can delete all the pictures.

Tips

- You can press the **DISP/BACK** button to cancel, however, pictures that were deleted before you pressed the **DISP/BACK** button cannot be recovered.
- Protected pictures cannot be deleted. Remove protection from any pictures that you want to delete (pg. 92).
- A message is displayed if you try to delete pictures that have been selected for a DPOF print order. To delete the pictures, press the **MENU/OK** button.

Recording Movies

Shoot short movies at 30 frames per second. Sound is recorded via the built-in microphone; do not cover the microphone during recording.

1 Rotate the mode dial to (movie mode).

Time available is displayed in monitor

2 Press the button and select a frame size from the **QUALITY** menu. Choose **1280** (1280×720 pixels) for an aspect ratio of 16:9 (High Definition), (640×480 pixels) for high-quality standard definition movies, or (320×240 pixels) for longer movies. Press **MENU/OK** to exit to movie mode.

3 Press **MENU/OK** and select **AF MODE**.

- **CENTER**: The camera focuses on the subject in the center of the screen.
- **CONTINUOUS**: Use when shooting a moving subject. The camera continuously focuses on the subject as it moves within the AF frame.

4 Press **MENU/OK**. The camera returns to the movie recording screen.

Zooming While Recording a Movie

The zoom can be used while recording a movie.

In the setup menu, select **DIGITAL** or **OPTICAL** (pg. 100).

DIGITAL: Image quality may deteriorate when the zoom is used.

OPTICAL: The sound of the camera zooming may be heard when playing movie.

Avoiding Blurred Pictures

If the subject is poorly lit, blurring caused by camera shake can be reduced using the **DUAL IS MODE** option in the setup menu (pg. 100).

Sensitivity is raised when dual IS is in effect. Note that blurring may still occur depending on the scene. We recommend that you turn dual IS off when using a tripod.

5 Press the shutter button all the way down to start recording.

● **REC** *and time remaining are displayed in monitor*

Note

Exposure and white balance are adjusted automatically throughout recording. The color and brightness of the image may vary from that displayed before recording begins.

Tip

There is no need to keep the shutter button pressed during recording.

6 Press the shutter button halfway to end recording. Recording ends automatically when the movie reaches maximum length or memory is full.

Caution

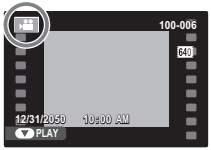
The indicator lamp lights while movies are being recorded. Do not open the battery chamber during shooting or while the indicator lamp is lit. Failure to observe this precaution could prevent the movie from being played back.

Notes

- Vertical or horizontal streaks may appear in movies containing very bright subjects. This is normal and does not indicate a malfunction.
- The **EVF/LCD MODE** option in the setup menu is fixed at **30 fps** in movie mode.
- Recording movies for a long time or using the camera at high ambient temperatures may increase the camera temperature. This is normal and does not indicate a malfunction.

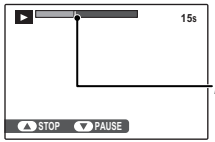
▶ Viewing Movies

During playback (pg. 46), movies are displayed in the monitor as shown at right. The following operations can be performed while a movie is displayed:



Operation	Description
Start/pause playback	**Press the selector down** to start playback. Press again to pause.
End playback/ delete	**Press the selector up** to end playback. If playback is not in progress, pressing the selector up will delete the current movie.
Advance/ rewind	**Press the selector right** to advance, **left** to rewind. If playback is paused, the movie will advance or rewind one frame each time the selector is pressed.
Adjust volume	**Press MENU/OK** to pause playback and display volume controls. Press the selector up or down to adjust the volume; press **MENU/OK** again to set the volume.

Progress is shown in the monitor during playback.



Progress bar

Tip: Viewing Movies on a Computer

Copy movies to the computer before viewing.

Caution

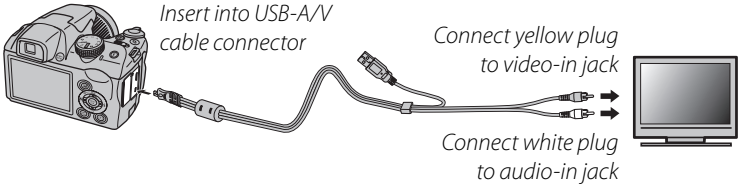
Do not cover the speaker during playback.

Viewing Pictures on TV

Connect the camera to a TV to show pictures to a group.

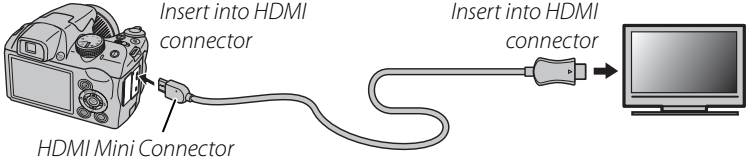
1 Turn the camera off.

2 Connect the supplied USB-A/V cable as shown below.



HDMI

An HDMI cable (available from third-party suppliers; pg. 125) can be used to connect the camera to **H**igh **D**efinition (HD) devices (playback only). The USB cable can not be used while an HDMI cable is connected.



3 Tune the television to the video or HDMI input channel. See the documentation supplied with the television for details.

4 Press the ▶ button for about a second to turn the camera on. The camera monitor turns off and pictures and movies are played back on the TV. Note that the camera volume controls have no effect on sounds played on the TV; use the television volume controls to adjust the volume.

☛ Note
Image quality drops during movie playback.

⚠ Caution
When connecting the cable, be sure the connectors are fully inserted.

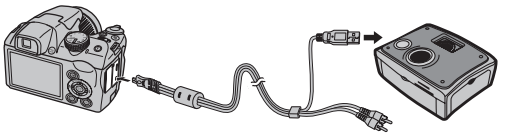
Printing Pictures via USB

If the printer supports PictBridge, the camera can be connected directly to the printer and pictures can be printed without first being copied to a computer. Note that depending on the printer, not all the functions described below may be supported.

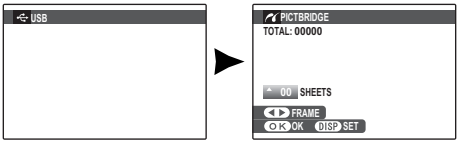
PictBridge

Connecting the Camera

1 Connect the supplied USB-A/V cable as shown and turn the printer on.



2 Press the ▶ button for about a second to turn the camera on. **USB** will be displayed in the monitor, followed by the PictBridge display shown below at right.

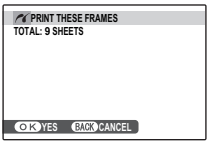


Printing Selected Pictures

1 Press the selector left or right to display a picture you wish to print.

2 Press the selector up or down to choose the number of copies (up to 99).

3 Repeat steps 1–2 to select additional pictures. Press **MENU/OK** to display a confirmation dialog when settings are complete.



4 Press **MENU/OK** to start printing.

Tip: Printing the Date of Recording

To print the date of recording on pictures, press **DISP/BACK** in steps 1–2 to display the PictBridge menu (see "Printing the DPOF Print Order," below). Press the selector up or down to highlight **PRINT WITH DATE** and press **MENU/OK** to return to the PictBridge display (to print pictures without the date of recording, select **PRINT WITHOUT DATE**).

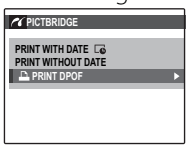
Note

If no pictures are selected when the **MENU/OK** button is pressed, the camera will print one copy of the current picture.

Printing the DPOF Print Order

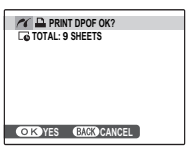
To print the print order created with **PRINT ORDER (DPOF)** in the playback *F*-mode menu (pg. 86):

1 In the PictBridge display, press **DISP/BACK** to open the PictBridge menu.



2 Press the selector up or down to highlight **PRINT DPOF**.

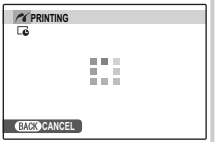
3 Press **MENU/OK** to display a confirmation dialog.



4 Press **MENU/OK** to start printing.

During Printing

The message shown at right is displayed during printing. Press **DISP/BACK** to cancel before all pictures are printed (depending on the printer, printing may end before the current picture has printed).



If printing is interrupted, press ▶ to turn the camera off and then on again.

Disconnecting the Camera

Confirm that "PRINTING" is not displayed in the monitor and turn the camera off. Disconnect the USB cable.

Notes

- Print pictures from a memory card that has been formatted in the camera.
- If the printer does not support date printing, the **PRINT WITH DATE** option will not be available in the PictBridge menu and the date will not be printed on the pictures in the DPOF print order.
- When pictures are printed via direct USB connection, page size, print quality, and border selections are made using the printer.

Creating a DPOF Print Order

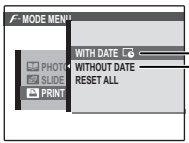
The **PRINT ORDER (DPOF)** option in the playback ***f***-mode menu can be used to create a digital "print order" for PictBridge-compatible printers (pg. 62) or devices that support DPOF.

DPOF

DPOF (**D**igital **P**rint **O**rder **F**ormat) is standard that allows pictures to be printed from "print orders" stored on a memory card. The information in the order includes the pictures to be printed, date imprint, and the number of copies of each picture.

■ *WITH DATE / WITHOUT DATE*

To modify the DPOF print order, select **PRINT ORDER (DPOF)** in the playback ***f***-mode menu and press the selector up or down to highlight **WITH DATE** or **WITHOUT DATE**.



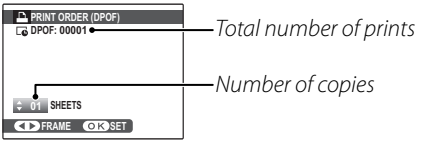
WITH DATE: *Print date of recording on pictures.*

WITHOUT DATE: *Print pictures without date.*

Press **MENU/OK** and follow the steps below.

1 Press the selector left or right to display a picture you wish to include in or remove from the print order.

2 Press the selector up or down to choose the number of copies (up to 99). To remove a picture from the order, press the selector down until the number of copies is 0.



Tip: Intelligent Face Detection

If the current picture was created with Intelligent Face Detection, pressing [icon] sets the number of copies to the number of faces detected.

Note

When pictures are printed via direct USB connection, page size, print quality, and border selections are made using the printer.

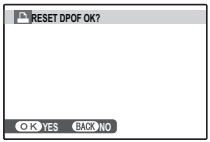
3 Repeat steps 1–2 to complete the print order. Press **MENU/OK** to save the print order when settings are complete, or **DISP/BACK** to exit without changing the print order.

4 The total number of prints is displayed in the monitor. Press **MENU/OK** to exit.

The pictures in the current print order are indicated by a [icon] icon during playback.

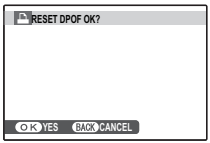
Notes

- Print orders can contain a maximum of 999 pictures.
- If a memory card is inserted containing a print order created by another camera, the message shown at right will be displayed. Pressing **MENU/OK** cancels the print order; a new print order must be created as described above.



■ *RESET ALL*

To cancel the current print order, select **RESET ALL** in the **PRINT ORDER (DPOF)** menu. The confirmation shown at right will be displayed; press **MENU/OK** to remove all pictures from the order.



Viewing Pictures on a Computer

The supplied software can be used to copy pictures to a computer, where they can be stored, viewed, organized, and printed. Before proceeding, install the software as described below. ***Do NOT connect the camera to the computer until installation is complete***.

Installing the Software

Two applications are supplied: MyFinePix Studio for Windows and FinePixViewer for the Macintosh. Installation instructions for Windows are on pages 68–69, those for the Macintosh on pages 70–71.

Windows: Installing MyFinePix Studio

1 Confirm that the computer meets the following system requirements:

	Windows 7*	Windows Vista*	Windows XP*
CPU	3 GHz Pentium 4 or better		2 GHz Pentium 4 or better
RAM	1 GB or more		512 MB or more
Free disk space	15 GB or more		2 GB or more
Video	• 1024 × 768 pixels or more with 24-bit color or better • A graphics processing unit (GPU) that supports DirectX 7 or later		
Other	• Built-in USB port recommended. Operation is not guaranteed with other USB ports. • Internet connection (broadband recommended) required to install .NET Framework (if necessary), to use auto update feature, and when performing such tasks as sharing pictures on-line or via e-mail.		

* Other versions of Windows are not supported. Only pre-installed operating systems are supported; operation is not guaranteed on home-built computers or computers that have been upgraded from earlier versions of Windows.

2 Start the computer. Log in to an account with administrator privileges before proceeding.

3 Exit any applications that may be running and insert the installer CD in a CD-ROM drive.

> **Windows 7/Windows Vista**
> If an AutoPlay dialog is displayed, click **SETUP.EXE**. A "User Account Control" dialog will then be displayed; click **Yes** (Windows 7) or **Allow** (Windows Vista).

The installer will start automatically; click **Install MyFinePix Studio** and follow the on-screen instructions to install MyFinePix Studio.

> **If the Installer Does Not Start Automatically**
> If the installer does not start automatically, select **Computer** or **My Computer** from the Start menu, then double-click the **FINEPIX** CD icon to open the FINEPIX CD window and double-click **setup** or **SETUP.EXE**.

4 If prompted to install Windows Media Player, DirectX, or .NET Framework, follow the on-screen instructions to complete installation.

5 Remove the installer CD from the CD-ROM drive when installation is complete. Store the installer CD in a dry location out of direct sunlight in case you need to re-install the software. The version number is printed at the top of the CD label for reference when updating the software or contacting customer support.

Installation is now complete. Proceed to "Connecting the Camera" on page 72.

Macintosh: Installing FinePixViewer

1 Confirm that the computer meets the following system requirements:

CPU	PowerPC or Intel
OS	Pre-installed versions of Mac OS X version 10.3.9–10.6 (for the latest information, visit *http://www.fujifilm.com/*)
RAM	256 MB or more
Free disk space	A minimum of 200 MB required for installation with 400 MB available when FinePixViewer is running
Video	800 × 600 pixels or more with thousands of colors or better
Other	Built-in USB port recommended. Operation is not guaranteed with other USB ports.

2 After starting the computer and quitting any applications that may be running, insert the installer CD in a CD-ROM drive and double-click **Installer for Mac OS X**.

3 An installer dialog will be displayed; click **Installing FinePixViewer** to start installation. Enter an administrator name and password when prompted and click **OK**, then follow the on-screen instructions to install FinePixViewer. Click **Exit** to quit the installer when installation is complete.

4 Remove the installer CD from the CD-ROM drive. Note that you may be unable to remove the CD if Safari is running; if necessary, quit Safari before removing the CD. Store the installer CD in a dry location out of direct sunlight in case you need to re-install the software. The version number is printed at the top of the CD label for reference when updating the software or contacting customer support.

5 **Mac OS X 10.5 or earlier**: Open the "Applications" folder, start Image Capture, and select **Preferences…** from the Image Capture application menu. The Image Capture preferences dialog will be displayed; choose **Other…** in the **When a camera is connected, open** menu, then select **FPVBridge** in the "Applications/FinePixViewer" folder and click **Open**. Quit Image Capture.

Mac OS X 10.6: Connect the camera and turn it on. Open the "Applications" folder and start Image Capture. The camera will be listed under **DEVICES**; select the camera and choose **FPVBridge** from the **Connecting this camera opens** menu and click **Choose**. Quit Image Capture.

Installation is now complete. Proceed to "Connecting the Camera" on page 72.

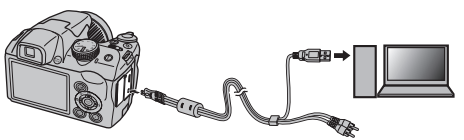
Connecting the Camera

1 If the pictures you wish to copy are stored on a memory card, insert the card into the camera (pg. 11).

Note
Windows users may require the Windows CD when starting the software for the first time.

Caution
Loss of power during transfer could result in loss of data or damage to the memory card. Insert fresh or fully-charged batteries before connecting the camera.

2 Turn the camera off and connect the supplied USB cable as shown, making sure the connectors are fully inserted. Connect the camera directly to the computer; do not use a USB hub or keyboard.



3 Press the ▶ button for about a second to turn the camera on. MyFinePix Studio or FinePixViewer will start automatically; follow the on-screen instructions to copy pictures to the computer. To exit without copying pictures, click **Cancel**.

Caution
If the software does not start automatically, it may not be correctly installed. Disconnect the camera and reinstall the software.

For more information on using the supplied software, start the application and select the appropriate option from the **Help** menu.

Cautions

- If a memory card containing a large number of images is inserted, there may be a delay before the software starts and you may be unable to import or save images. Use a memory card reader to transfer pictures.
- Make sure that the computer does not display a message stating that copying is in progress and that the indicator lamp is out before turning the camera off or disconnecting the USB cable (if the number of images copied is very large, the indicator lamp may remain lit after the message has cleared from the computer display). Failure to observe this precaution could result in loss of data or damage to the memory card.
- Disconnect the camera before inserting or removing memory cards.
- In some cases, it may not be possible to access pictures saved to a network server using the supplied software in the same way as on a standalone computer.
- The user bears all applicable fees charged by the phone company or Internet service provider when using services that require an Internet connection.

Disconnecting the Camera

After confirming that the indicator lamp is out, follow the on-screen instructions to turn the camera off and disconnect the USB cable.

Uninstalling the Supplied Software

Only uninstall the supplied software when it is no longer required or before beginning reinstallation. After quitting the software and disconnecting the camera, drag the "FinePixViewer" folder from "Applications" into the Trash and select **Empty Trash** in the **Finder** menu (Macintosh), or open the control panel and use "Programs and Features" (Windows 7/Windows Vista) or "Add or Remove Programs" (Windows XP) to uninstall MyFinePix Studio. Under Windows, one or more confirmation dialogs may be displayed; read the contents carefully before clicking **OK**.

Using the Menus: Shooting Mode

The **F**-mode and shooting menus contain settings for a wide range of shooting conditions.

Using the F-Mode Menu

1 Press the **F** button to display the **F**-mode menu.

2 Press the selector up or down to highlight the desired menu item.

3 Press the selector right to display options for the highlighted item.

4 Press the selector up or down to highlight the desired option.

5 Press **MENU/OK** to select the highlighted option.

6 Press **DISP/BACK** to exit from the menu.

F-Mode Menu Options

Menu item	Description	Options	Default
ISO ISO	Adjust ISO sensitivity. Choose higher values when the subject is poorly lit.	AUTO / AUTO (800) / AUTO (400) / 6400 S / 3200 S / 1600 / 800 / 400 / 200 / 100 / 64	AUTO
IMAGE SIZE	Choose image size and aspect ratio (pg. 76).	L 4:3 / L 3:2 / L 16:9 / M 4:3 / M 3:2 / M 16:9 / S 4:3 / S 3:2 / S 16:9	L 4:3
FINEPIX COLOR	Shoot pictures in standard or saturated color or in black-and-white (pg. 77).	STD / CHR / B&W	STD

ISO ISO

Control the camera's sensitivity to light. Higher values can be used to reduce blur when lighting is poor; note, however, that mottling may appear in pictures taken at high sensitivities. If **AUTO**, **AUTO (800)**, or **AUTO (400)** is selected, the camera will adjust sensitivity automatically in response to shooting conditions. The maximum values that will be selected by the camera at settings of **AUTO (800)** and **AUTO (400)** are 800 and 400 respectively. Settings other than **AUTO** are shown by an icon in the display.

Note

Sensitivity is not reset when the camera is turned off or another shooting mode is selected.

IMAGE SIZE

Choose the size and aspect ratio at which still pictures are recorded. Large pictures can be printed at large sizes with no drop in quality; small pictures require less memory, allowing more pictures to be recorded.

Option	Prints at sizes up to
L 4:3	34 × 25 cm (13.5 × 10 in.)
L 3:2	34 × 23 cm (13.5 × 9 in.)
L 16:9	34 × 19 cm (13.5 × 7.5 in.)
M 4:3	24 × 18 cm (9.5 × 7 in.)
M 3:2	24 × 16 cm (9.5 × 6 in.)
M 16:9	24 × 13 cm (9.5 × 5.5 in.)
S 4:3	17 × 13 cm (7 × 5 in.)
S 3:2	17 × 12 cm (7 × 4.5 in.)
S 16:9	16 × 9 cm (6.5 × 3.5 in.)

The number of pictures that can be taken at the selected setting is shown in the display (pg. 121).

Aspect Ratio

Pictures with an aspect ratio of 4:3 have the same proportions as the camera display. Pictures with an aspect ratio of 3:2 have the same proportions as a frame of 35-mm film, while an aspect ratio of 16:9 is suited to display on High Definition (HD) devices.

4:3

3:2

16:9

Note

Image size is not reset when the camera is turned off or another shooting mode is selected.

FINEPIX COLOR

Enhance contrast and color saturation or take pictures in black and white.

Option	Description
F-STANDARD	Standard contrast and saturation. Recommended in most situations.
F-CHROME	Vivid contrast and color. Choose for vivid shots of flowers or enhanced greens and blues in landscapes.
F-B&W	Take pictures in black and white.

Settings other than **F-STANDARD** are shown by an icon in the display.

Notes

- **FINEPIX COLOR** is not reset when the camera is turned off or another shooting mode is selected.
- The effects of **F-CHROME** vary from scene to scene and may be difficult to discern with some subjects. Depending on the subject, the effects of **F-CHROME** may not be visible in the display.

Using the Shooting Menu

1 Press **MENU/OK** to display the shooting menu.

2 Press the selector up or down to highlight the desired menu item.

3 Press the selector right to display options for the highlighted item.

4 Press the selector up or down to highlight the desired option.

5 Press **MENU/OK** to select the highlighted option.

6 Press **DISP/BACK** to exit from the menu.

Shooting Menu Options

Menu item	Description	Options	Default
SCENE POSITION	Choose a scene for **SP** mode (pg. 21).		
ISO	Adjust ISO sensitivity. Choose higher values when the subject is poorly lit.	**AUTO** / **AUTO (800)** / **AUTO (400)** / **6400** / **3200** / **1600** / **800** / **400** / **200** / **100** / **64**	**AUTO**
IMAGE SIZE	Choose image size and aspect ratio (pg. 76).	**L 4:3** / **L 3:2** / **L 16:9** / **M 4:3** / **M 3:2** / **M 16:9** / **S 4:3** / **S 3:2** / **S 16:9**	**L 4:3**
IMAGE QUALITY	Choose image quality (pg. 79).	**FINE** / **NORMAL**	**NORMAL**
FINEPIX COLOR	Shoot pictures in standard or saturated color or in black-and-white (pg. 77).		
WHITE BALANCE	Adjust color for different light sources (pg. 79).	**AUTO** /	**AUTO**
SHARPNESS	Choose whether to sharpen or soften outlines (pg. 80).	**HARD** / **STD** / **SOFT**	**STD**
PHOTOMETRY	Choose how the camera meters exposure (pg. 81).		
AF MODE	Choose how the camera selects a focus area (pg. 81).		
FACE RECOGNITION	Choose whether the camera automatically detects and sets focus and exposure for human portrait subjects (pg. 82).	—	—
MODE	Choose how panoramas are framed (pg. 24).	/	
AE BKT EV STEPS	Choose the size of the bracketing increment when is selected in continuous shooting mode (pg. 85).	**±1⁄3 EV** / **±2⁄3 EV** / **±1 EV**	**±1⁄3 EV**
FLASH	Adjust flash brightness (pg. 85).	–2⁄3 EV – +2⁄3 EV in steps of 1⁄3 EV	**0**
CUSTOM SET	Save settings for **P**, **S**, **A**, and **M** modes (pg. 30).	—	—

IMAGE QUALITY

Choose how much image files are compressed. Select **FINE** (low compression) for higher image quality, **NORMAL** (high compression) to increase the number of pictures that can be stored.

WHITE BALANCE

For natural colors, choose a setting that matches the light source (for an explanation of "white balance," see the Glossary on page 120).

Option	Description
AUTO	White balance adjusted automatically.
	Measure a value for white balance.
	For subjects in direct sunlight.
	For subjects in the shade.
	Use under "daylight" fluorescent lights.
	Use under "warm white" fluorescent lights.
	Use under "cool white" fluorescent lights.
	Use under incandescent lighting.

If **AUTO** does not produce the desired results (for example, when taking close-ups), select and measure a value for white balance or choose the option that matches the light source.

Notes

- At settings other than , auto white balance is used with the flash. Lower the flash (pg. 36) to take pictures at other settings.
- Results vary with shooting conditions. Play pictures back after shooting to check colors in the monitor.

■ *: Custom White Balance*

Choose to adjust white balance for unusual lighting conditions. White balance measurement options will be displayed; frame a white object so that it fills the monitor and press the shutter button all the way down to measure white balance.

If "COMPLETED!" is displayed, press **MENU/OK** to set white balance to the measured value. This value can be reselected by pressing **MENU/OK** when custom white balance options are displayed.

If "UNDER" is displayed, raise exposure compensation (pg. 44) and try again.

If "OVER" is displayed, lower exposure compensation and try again.

Tip

To give a deliberate color cast to your photographs, measure a value for custom white balance using a colored instead of a white object.

SHARPNESS

Choose whether to sharpen or soften outlines.

- **HARD**: Use for sharp outlines when photographing such subjects as buildings and text.
- **STANDARD**: Standard sharpness. Best choice in most situations.
- **SOFT**: Use for soft outlines in portraits and similar subjects.

PHOTOMETRY

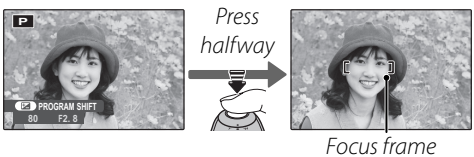
Choose how the camera meters exposure when Intelligent Face Detection is off.

- **MULTI**: Automatic scene recognition is used to adjust exposure for a wide range of shooting conditions.
- **SPOT**: The camera meters lighting conditions at the center of the frame. Recommended when the background is much brighter or darker than the main subject. Can be used with focus lock (pg. 33) to meter off-center subjects.
- **AVERAGE**: Exposure is set to the average for the entire frame. Provides consistent exposure across multiple shots with the same lighting, and is particularly effective for landscapes and portraits of subjects dressed in black or white.

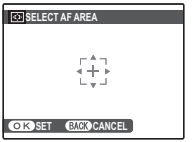
AF MODE

This option controls how the camera selects the focus area when Intelligent Face Detection is off (pg. 31). Regardless of the option selected, the camera will focus on the subject in the center of the monitor when macro mode is on (pg. 35).

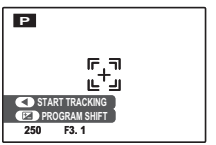
- **CENTER**: The camera focuses on the subject in the center of the frame. This option can be used with focus lock (pg. 33).
- **MULTI**: When the shutter button is pressed halfway, the camera detects high-contrast subjects near the center of the frame and selects the focus area automatically (if the focus frame is not displayed, select **CENTER** and use focus lock; pg. 33).



- **AREA**: The focus position can be chosen manually by pressing the selector up, down, left, or right and pressing **MENU/OK** when the focus brackets are in the desired position. Choose for precise focus when the camera is mounted on a tripod. Note that exposure is set for the subject in the center of the frame; to meter an off-center subject, use AF/AE lock (pg. 33).



- **CONTINUOUS**: The camera continually adjusts focus to reflect changes in the distance to the subject even when the shutter button is not pressed (note that this increases the drain on the battery).
- **TRACKING**: Position the subject in the center focus area and press the selector left to select tracking. Focus will track the subject as it moves through the frame.



FACE RECOGNITION

Once personal information is registered with a face, the camera recognizes the registered face and prioritizes focus and exposure to that face. When playing back the face, the registered information (name, birthday, etc.) can be displayed.

■ REGISTER

1 Select **REGISTER** from **FACE RECOGNITION**.

2 Press **MENU/OK** to turn to shooting mode.

3 Press the shutter button to shoot. Capture a front face.

4 Press **MENU/OK** to display **PERSONAL INFO**.

☛ Note

When the message **!CANNOT REGISTER** is displayed, the camera has failed to register the face. Take a shot again.

5 Register.

Enter the following information:

- **NAME**: Enter a name of up to 14 characters and press **MENU/OK**.
- **BIRTHDAY**: Enter the subject's date of birth and press **MENU/OK**.
- **CATEGORY**: Choose the option that describes your relationship to the subject and press **MENU/OK**.

☛ Notes

- If shooting date matches the birthday of the peson with the green border during face zoom, **Happy Birthday!** will be displayed with the name.
- If **BABY MODE** is selected in the shooting mode and Intelligent Face Detection is on, the camera will display the age of a 3 year old or younger child.
- To disable face recognition, set **FACE RECOGNITION** to **OFF**.

■ VIEW & EDIT

1 Select **VIEW & EDIT** from **FACE RECOGNITION** to display **REGISTERED FACE**.

2 Press the selector left or right to highlight a face to view or edit.

3 Press **MENU/OK** to display **PERSONAL INFO**.

4 View the registration or edit as the same way of **REGISTER** (pg. 82).

☛ Notes

- Select **REPLACING IMAGE** to take another face image and replace the registered image with it.
- To delete face recognition data, select **ERASE** from **FACE RECOGNITION**.

■ AUTO REGISTRATION

Select **AUTO REGISTRATION** from **FACE RECOGNITION** and set it to **ON**. After shooting the same face several times with **FACE DETECTION** turned on, the camera automatically recognizes the face.

Notes

- When the camera recognizes a face that has been shot many times, the message **REGISTER THIS PERSON?** appears. Press **MENU/OK** to display **PERSONAL INFO** so that you can register the face and its personal information.
- Using only **AUTO REGISTRATION** may be difficult to recognize a face. In that case, register a face and its personal information from **REGISTER**.

FACE RECOGNITION

- Up to 8 people's information can be registered.
- When 8 people's information has already been registered, **AUTO REGISTRATION** does not function.
- If the camera detects two or more faces registered by **FACE RECOGNITION**, a green border and orange border(s) will be displayed on the faces when to shoot. A registered name will appear only on the face with the green border. White borders will be displayed on faces which have not been registered. When no name has been registered, "**---**" is displayed.
- **FACE RECOGNITION** may not function in the following:
  - the subject does not face front.
  - the face is not positioned within a frame.
  - the feature of the face varies (because of age or expression).
  - the subject is in back-lit or poorly light.

Removing face recognition during playback

Select **ERASE FACE RECOG.** in the playback menu (pg. 88). When this option is selected, the camera will zoom in on an area in the current picture that it has matched with a face in the face recognition database. If the match is not correct, press **MENU/OK** to remove the link to the face recognition database.

Note

Face recognition links cannot be removed from copies resized or cropped to a size of 640.

AE BKT EV STEPS

Choose the size of the exposure bracketing increment used when (AE bracketing) is selected in continuous shooting mode (pg. 40).

Choose from increments of ±⅓ EV, ±⅔ EV, and ±1 EV (for an explanation of the term "EV," see the Glossary on page 120).

FLASH

Adjust flash brightness. Choose from values between +⅔ EV and –⅔ EV. The default setting is ±0. Note that the desired results may not be achieved depending on shooting conditions and the distance to the subject.

Using the Menus: Playback Mode

The F-mode and playback menus are used to manage the pictures on the memory card.

Using the F-Mode Menu

1 Press the ▶ button to enter playback mode.

2 Press the F button to display the F-mode menu.

3 Press the selector up or down to highlight the desired menu item.

4 Press the selector right to display options for the highlighted item.

5 Press the selector up or down to highlight the desired option.

6 Press **MENU/OK** to select the highlighted option.

F-Mode Menu Options

Option	Description
PHOTOBOOK ASSIST	Create books from your favorite photos (pg. 51).
SLIDE SHOW	View pictures in a slide show (pg. 87).
PRINT ORDER (DPOF)	Select pictures for printing on DPOF- and PictBridge-compatible devices (pg. 63).

SLIDE SHOW

View pictures in an automated slide show. Choose the type of show and press **MENU/OK** to start. Press **DISP/BACK** at any time during the show to view on-screen help. When a movie is displayed, movie playback will begin automatically, and the slide show will continue when the movie ends. The show can be ended at any time by pressing **MENU/OK**.

Option	Displayed in
NORMAL	Press selector left or right to go back or skip ahead one frame. Select **FADE-IN** for fade transitions between frames.
FADE-IN	
NORMAL	As above, except that camera automatically zooms in on faces selected with Intelligent Face detection.
FADE-IN	
MULTIPLE	Display several pictures at once.

Note

The camera will not turn off automatically while a slide show is in progress.

Using the Playback Menu

1 Press the ▶ button to enter playback mode.

2 Press **MENU/OK** to display the playback menu.

3 Press the selector up or down to highlight the desired menu item.

4 Press the selector right to display options for the highlighted item.

5 Press the selector up or down to highlight the desired option.

6 Press **MENU/OK** to select the highlighted option.

Playback Menu Options

The following options are available:

Option	Description
PHOTOBOOK ASSIST	Create books from your favorite photos (pg. 51).
IMAGE SEARCH	Search for pictures by date, subject, scene, file type, or rating (pg. 53).
ERASE	Delete all or selected pictures (pg. 54).
MARK FOR UPLOAD	Select pictures for upload to YouTube or FACEBOOK (pg. 89).
SLIDE SHOW	View pictures in a slide show (pg. 87).
RED EYE REMOVAL	Create copies with reduced red eye (pg. 91).
PROTECT	Protect pictures from accidental deletion (pg. 92).
CROP	Create cropped copies of pictures (pg. 93).
RESIZE	Create small copies of pictures (pg. 94).
IMAGE ROTATE	Rotate pictures (pg. 95).
VOICE MEMO	Add voice memos to pictures (pg. 96).
ERASE FACE RECOG.	Remove face recognition links from the current image (pg. 85).
PRINT ORDER (DPOF)	Select pictures for printing on DPOF- and PictBridge-compatible devices (pg. 63).

MARK FOR UPLOAD

You can select images and movies to be queued for upload to YouTube and FACEBOOK.
Select **MARK FOR UPLOAD** in the playback menu.

■ *Add/Remove Items in the Upload Queue*

1 Select an upload destination.

2 Press **MENU/OK**.

3 Select items to be added to, or removed from, the upload queue.

4 Press **MENU/OK** to confirm.

- Items not in the upload queue will be added to the queue when you select them and press **MENU/OK**.
- Items in the upload queue will be removed from the queue when you select them and press **MENU/OK**.

5 Repeat steps 3 and 4 as necessary and add or remove items.
When finished, press **DISP/BACK** to save the settings.

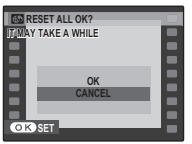
Tips

- **YouTube** or **FACEBOOK** is displayed to indicate items queued for upload.
- Only movies can be queued for upload to YouTube.

■ *Removing All Items From the Upload Queue*

You can remove all items from the upload queue.

1 Select **RESET ALL**.
The screen for removing all items from the upload queue is displayed.



2 Select **OK**.

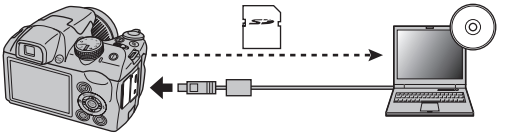
3 Press **MENU/OK**.
All items are removed from the upload queue.

Note

If there are many items in the upload queue when you select to remove all items from the queue, it may take some time to remove them. To cancel, press **DISP/BACK**.

■ *Upload Items*

Items added to the upload queue using the camera can be easily uploaded from a computer by using the MyFinePix Studio.
Install MyFinePix Studio (pg. 68).

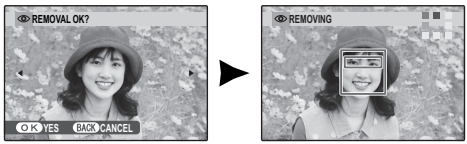


Note

This feature is available only when using a computer running Windows.

RED EYE REMOVAL

If the current picture is marked with a icon to indicate that it was taken with Intelligent Face Detection, this option can be used to remove red-eye. The camera will analyze the image; if red-eye is detected, the image will be processed to create a copy with reduced red-eye.



Notes

- Red eye may not be removed if the camera is unable to detect a face or the face is in profile. Results may differ depending on the scene. Red eye can not be removed from pictures that have already been processed using red-eye removal or pictures created with other devices.
- The amount of time needed to process the image varies with the number of faces detected.
- Copies created with **RED EYE REMOVAL** are indicated by a icon during playback.

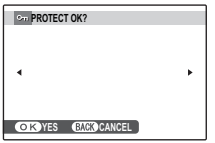
PROTECT

Protect pictures from accidental deletion. The following options are available.

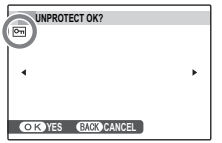
■ *FRAME*

Protect selected pictures.

1 Press the selector left or right to display the desired picture.



Picture not protected



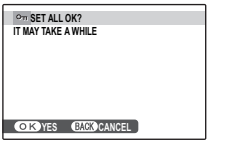
Protected picture

2 Press **MENU/OK** to protect the picture. If the picture is already protected, pressing **MENU/OK** will remove protection from the image.

3 Repeat steps 1–2 to protect additional images. Press **DISP/BACK** to exit when the operation is complete.

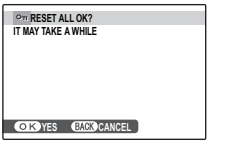
■ *SET ALL*

Press **MENU/OK** to protect all pictures, or press **DISP/BACK** to exit without changing picture status.



■ *RESET ALL*

Press **MENU/OK** to remove protection from all pictures, or press **DISP/BACK** to exit without changing picture status.



If the number of pictures affected is very large, a message will be displayed while the operation is in progress. Press **DISP/BACK** to exit before the operation is complete.

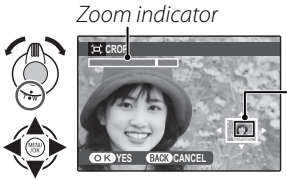
Caution

Protected pictures will be deleted when the memory card is formatted (pg. 102).

CROP

To create a cropped copy of a picture, play the picture back and select **CROP** in the playback menu (pg. 88).

1 Use the zoom control to zoom in and out and use the selector to scroll the picture until the desired portion is displayed (to exit to single-frame playback without creating a cropped copy, press **DISP/BACK**).



If the size of the final copy will be 640, **YES** will be displayed in yellow.

Tip: Intelligent Face Detection

If the picture was shot with Intelligent Face Detection (pg. 31), will be displayed in the monitor. Press the button to zoom in on the selected face.

2 Press **MENU/OK** to view the copy size. Larger crops produce larger copies; all copies have an aspect ratio of 4:3.

3 Press **MENU/OK** to save the cropped copy to a separate file.

Note

Pictures taken with other cameras can not be cropped.

RESIZE

To create a small copy of a picture, play the picture back and select **RESIZE** in the playback menu (pg. 88).

1 Press the selector up or down to highlight 640 or 320.

2 Press **MENU/OK** to select the highlighted option.

3 Press **MENU/OK** to copy the picture at the selected size.

IMAGE ROTATE

By default, pictures taken in tall orientation are displayed in wide orientation. Use this option to display pictures in the correct orientation in the monitor. It has no effect on pictures displayed on a computer or other device.

Notes

- Protected pictures can not be rotated. Remove protection before rotating pictures (pg. 92).
- The camera may not be able to rotate pictures created with other devices.

To rotate a picture, play the picture back and select **IMAGE ROTATE** in the playback menu (pg. 88).

1 Press the selector down to rotate the picture 90° clockwise, up to rotate the picture 90° counterclockwise.

2 Press **MENU/OK** to confirm the operation (to exit without rotating the picture, press **DISP/BACK**).

The next time the picture is played back, it will automatically be rotated.

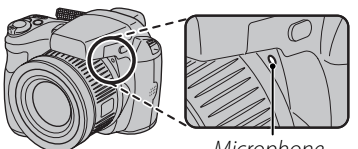
VOICE MEMO

To add a voice memo to a still picture, select **VOICE MEMO** after displaying the picture in playback mode.

Note

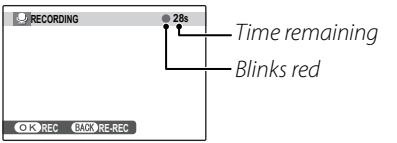
Voice memos can not be added to movies or protected pictures. Remove protection from pictures before recording voice memos (pg. 92).

1 Hold the camera at a distance of about 20 cm (8 in.) and face the microphone.



Microphone

2 Press **MENU/OK** to start recording.



Time remaining

Blinks red

3 Press **MENU/OK** again to end recording. Recording ends automatically after 30 seconds.

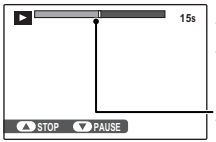
Notes

- If a voice memo already exists for the current picture, a message will be displayed. Select **RE-REC** to replace the existing memo.
- Voice memos are recorded as PCM-format WAV files.

Playing Voice Memos

To play back a voice memo, select a picture for which a voice memo has been recorded (i.e., a picture indicated by 🎙), and then select **PLAY** on the **VOICE MEMO** screen in the playback menu.

To end playback, press the selector up. Press the selector left to rewind, right to fast forward. Volume controls can be displayed by pressing the **MENU/OK** button; press the selector up or down to adjust the volume, and press **MENU/OK** again to resume playback.



Progress is shown in the monitor.

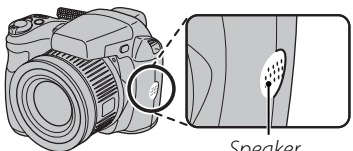
Progress bar

Notes

- The camera may not play voice memos recorded with other devices.
- To replace a voice memo with a new voice memo, select **RE-REC** on the **VOICE MEMO** screen in the playback menu.

Caution

Do not cover the speaker during playback.



Speaker

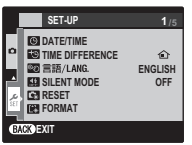
Using the Setup Menu

1 Display the setup menu.

1.1 Press **MENU/OK** to display the menu for the current mode.

1.2 Press the selector left to highlight a left tab.

1.3 Press the selector up or down to select SET.
The setup menu appears.



2 Adjust settings.

2.1 Press the selector right to activate the setup menu.

2.2 Press the selector up or down to highlight a menu item.

2.3 Press the selector right to display options for the highlighted item.

2.4 Press the selector up or down to highlight an option.

2.5 Press **MENU/OK** to select the highlighted option.

2.6 Press **DISP/BACK** to exit from the menu.

Setup Menu Options

	Menu item	Description	Options	Default
1/5	**DATE/TIME**	Set the camera clock (pg. 14).	—	—
	TIME DIFFERENCE	Set the clock to local time (pg. 101).	⌂/✈	⌂
	言語/LANG.	Choose a language (pg. 14).	—	**ENGLISH**
	SILENT MODE	Disables the AF-assist illuminator (except for the SCENE shooting mode), operation sounds, shutter sound, and movie playback sound.	**ON** / **OFF**	**OFF**
	RESET	Reset all settings except **DATE/TIME**, **TIME DIFFERENCE**, **BACKGROUND COLOR**, **BATTERY TYPE**, and **VIDEO SYSTEM** to default values. A confirmation dialog will be displayed, press the selector up or down to highlight **OK** and press **MENU/OK**.	—	—
	FORMAT	Format memory cards (pg. 102).	—	—
2/5	**IMAGE DISP.**	Choose how long pictures are displayed after shooting (pg. 102).	**3 SEC** / **1.5 SEC** / **ZOOM** / **OFF**	**1.5 SEC**
	FRAME NO.	Choose how files are named (pg. 103).	**CONT.** / **RENEW**	**CONT.**
	OPERATION VOL.	Adjust the volume of camera controls.	(high) / (mid) / (low) / **OFF** (mute)	
	SHUTTER VOLUME	Adjust the volume of the shutter sound.		
	SHUTTER SOUND	Choose the sound made by the shutter.	♪1 / ♪2	♪1
	PLAYBACK VOLUME	Adjust the volume for movie and voice memo playback (pg. 104).	—	7

	Menu item	Description	Options	Default
3/5	**LCD BRIGHTNESS**	Control the brightness of the display (pg. 104).	**–5** – **+5**	**0**
	EVF/LCD MODE	Choose **30 fps** to increase battery life, **60 fps** for improved display quality.	**30 fps** / **60 fps**	**30 fps**
	AUTO POWER OFF	Choose the auto power off delay (pg. 104).	**2 MIN** / **5 MIN** / **OFF**	**2 MIN**
	DUAL IS MODE	Enable image stabilization during shooting (**CONTINUOUS**) or only when the shutter button is pressed halfway (**SHOOTING ONLY**). **OFF** turns image stabilization off (pg. 17).	/ / **OFF**	
	RED EYE REMOVAL	Remove "red-eye" effects caused by the flash.	**ON** / **OFF**	**ON**
	BLINK DETECTION	Turn blink detection on or off (pg. 32).	**ON** / **OFF**	**ON**
4/5	**DIGITAL ZOOM**	Enable or disable digital zoom (pg. 104).	**ON** / **OFF**	**OFF**
	MOVIE ZOOM TYPE	Choose the zoom type when recording movies (pg. 57).	**Di** / **Opt**	**Di**
	AF ILLUMINATOR	Turn the AF-assist illuminator on or off (pg. 34).	**ON** / **OFF**	**ON**
	SAVE ORG IMAGE	Choose whether to save unprocessed copies of pictures taken using red-eye removal.	**ON** / **OFF**	**OFF**
	AUTOROTATE PB	Choose **ON** to automatically rotate "tall" (portrait-orientation) pictures during playback.	**ON** / **OFF**	**ON**
	BACKGROUND COLOR	Choose a color scheme.	—	—
5/5	**GUIDANCE DISPLAY**	Choose whether to display tool tips.	**ON** / **OFF**	**ON**
	VIDEO SYSTEM	Choose a video mode for connection to a TV (pg. 60).	**NTSC** / **PAL**	—
	CUSTOM RESET	Reset all settings for mode **C**. A confirmation dialog will be displayed, press the selector up or down to highlight **OK** and press **MENU/OK**.	—	—
	BATTERY TYPE	Specify the type of battery used in the camera (pg. 9).	**A** / **N** / **L**	**A**
	DISCHARGE	Discharge rechargeable Ni-MH batteries (pg. 105).	—	—

TIME DIFFERENCE

When travelling, use this option to switch the camera clock instantly from your home time zone to the local time at your destination.

1 Specify the difference between local time and your home time zone.

1.1 Press the selector up or down to highlight **LOCAL**.

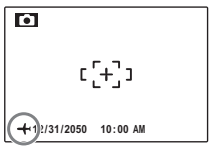
1.2 Press the selector right to display the time difference.

1.3 Press the selector left or right to highlight **+**, **–**, hours, or minutes; press up or down to edit. The minimum increment is 15 minutes.

1.4 Press **MENU/OK** when settings are complete.

2 Switch between local time and your home time zone.

To set the camera clock to local time, highlight **LOCAL** and press **MENU/OK**. To set the clock to the time in your home time zone, select **HOME**. If **LOCAL** is selected, ✈ will be displayed in the monitor for three seconds after the camera enters shooting mode, and the date will be displayed in yellow.



After changing time zones, check that the date and time are correct.

FORMAT

Format a memory card. Highlight **OK** and press **MENU/OK** to begin formatting.

Cautions

- All data—including protected pictures—will be deleted. Be sure important files have been copied to a computer or other storage device.
- Do not open the battery cover during formatting.

IMAGE DISP.

Choose an option other than **OFF** to display pictures in the monitor after shooting. Pictures can be displayed for 1.5 s (**1.5 SEC**), 3 s (**3 SEC**), or until the **MENU/OK** button is pressed (**ZOOM (CONTINUOUS)**). If **ZOOM (CONTINUOUS)** is selected, photos can be zoomed in to check focus and other fine details (see page 47). Note that **ZOOM (CONTINUOUS)** is disabled in continuous shooting mode (pg. 40), and that the colors displayed at settings of **1.5 SEC** and **3 SEC** may differ from those in the final picture.

When the picture is zoomed in, the selector can be used to view areas of the image not currently visible in the display.

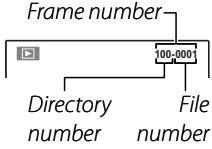
When the picture was taken with FACE DETECTION turned on, detected face is zoomed. When more than one face was detected, you can move to the next face by pressing .

ZOOM (CONTINUOUS) is disabled in the following case:

- / is selected in the shooting mode.
- An option other than **OFF** is selected for **CONTINUOUS**.

Blink Detection (pg. 32)
At settings other than **OFF**, a warning will be displayed if the camera detects subjects who may have blinked when the picture was taken. If **ZOOM (CONTINUOUS)** is selected, you can view these subjects using zoom.

FRAME NO.



New pictures are stored in image files named using a four-digit file number assigned by adding one to the last file number used. The file number is displayed during playback as shown at right. **FRAME NO.** controls whether file numbering is reset to 0001 when a new memory card is inserted or the current memory card is formatted.

- **CONTINUOUS**: Numbering continues from the last file number used or the first available file number, whichever is higher. Choose this option to reduce the number of pictures with duplicate file names.
- **RENEW**: Numbering is reset to 0001 after formatting or when a new memory card is inserted.

Notes
- If the frame number reaches 999-9999, the shutter release will be disabled (pg. 117).
- Selecting **RESET** (pg. 99) resets **FRAME NO.** to **CONTINUOUS** but does not reset frame numbering.
- Frame numbers for pictures taken with other cameras may differ.

PLAYBACK VOLUME

Press the selector up or down to choose volume for movie and voice memo playback and press **MENU/OK** to select.

LCD BRIGHTNESS

Press the selector up or down to choose display brightness and press **MENU/OK** to select.

AUTO POWER OFF

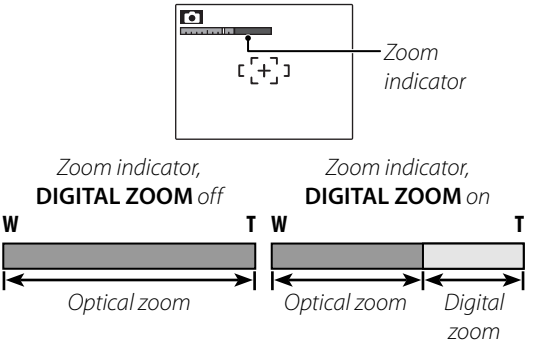
Choose the length of time before the camera turns off automatically when no operations are performed. Shorter times increase battery life; if **OFF** is selected, the camera must be turned off manually. Note that regardless of the option selected, the camera will not turn off automatically when connected to a printer (pg. 62) or computer (pg. 72) or when a slide show is in progress (pg. 87).

Tip: Reactivating the Camera

To reactivate the camera after it has turned off automatically, use the **ON/OFF** switch or press the ▶ button for about a second (pg. 13).

DIGITAL ZOOM

If **ON** is selected, selecting **T** at the maximum optical zoom position will trigger digital zoom, further magnifying the image. To cancel digital zoom, zoom out to the minimum digital zoom position and select **W**.



Caution

Digital zoom produces lower quality images than optical zoom.

DISCHARGE (Ni-MH Batteries Only)

The capacity of rechargeable Ni-MH batteries may be temporarily reduced when new, after long periods of disuse, or if they are repeatedly recharged before being fully discharged. Capacity can be increased by repeatedly discharging the batteries using the **DISCHARGE** option and recharging them in a battery charger (sold separately). Do not use **DISCHARGE** with non-rechargeable batteries, and note that the batteries will not discharge if the camera is powered by an optional AC power adapter and DC coupler.

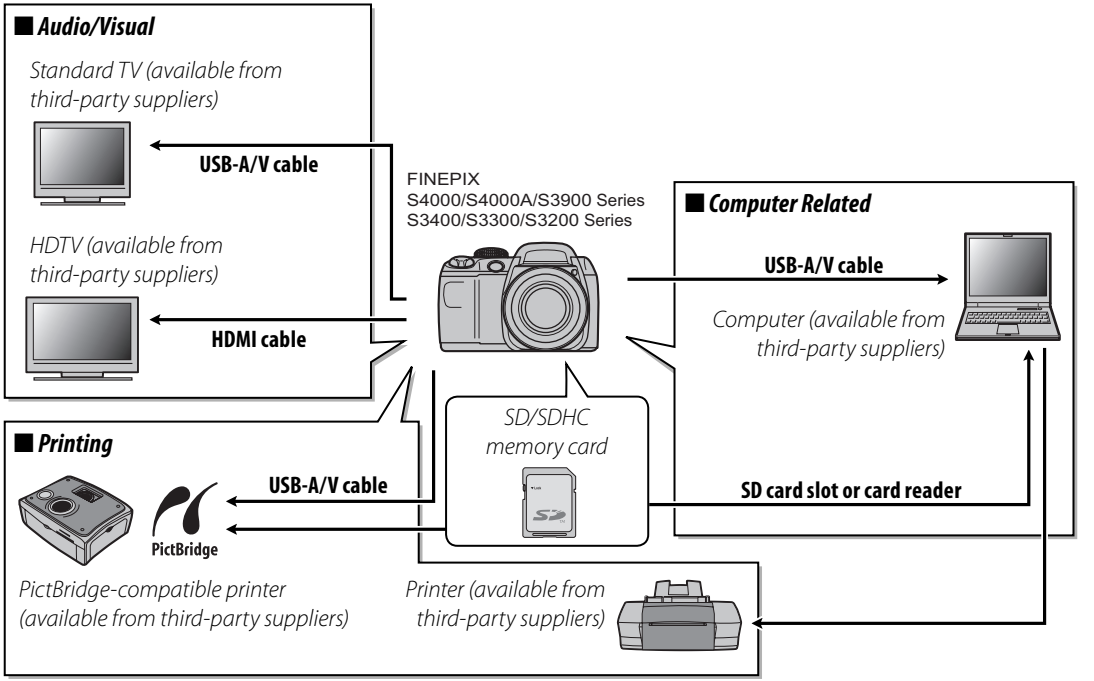
1 Selecting **DISCHARGE** displays a confirmation dialog. Press **MENU/OK**.

2 Select **OK**.

3 Press **MENU/OK** to begin discharging the batteries. When the batteries are fully discharged, the battery level indicator will blink red and the camera will turn off. To cancel the process before the batteries are fully discharged, press **DISP/BACK**.

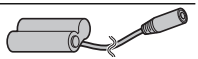
Optional Accessories

The camera supports a wide range of accessories from FUJIFILM and other manufacturers.



Accessories from FUJIFILM

The following optional accessories are available from FUJIFILM. For the latest information on the accessories available in your region, check with your local FUJIFILM representative or visit *http://www.fujifilm.com/products/digital_cameras/index.html*.

AC power adapter	**AC-5VX** (requires CP-04 DC coupler)	Use for extended playback or when copying pictures to a computer (shape of adapter and plug vary with region of sale).	
DC coupler	**CP-04**	Connect the AC-5VX AC power adapter to the camera.	

Caring for the Camera

To ensure continued enjoyment of the product, observe the following precautions.

Storage and Use

If the camera will not be used for an extended period, remove the battery and memory card. Do not store or use the camera in locations that are:

- exposed to rain, steam, or smoke
- very humid or extremely dusty
- exposed to direct sunlight or very high temperatures, such as in a closed vehicle on a sunny day
- extremely cold
- subject to strong vibration
- exposed to strong magnetic fields, such as near a broadcasting antenna, power line, radar emitter, motor, transformer, or magnet
- in contact with volatile chemicals such as pesticides
- next to rubber or vinyl products

■ *Water and Sand*

Exposure to water and sand can also damage the camera and its internal circuitry and mechanisms. When using the camera at the beach or seaside, avoid exposing the camera to water or sand. Do not place the camera on a wet surface.

■ *Condensation*

Sudden increases in temperature, such as occur when entering a heated building on a cold day, can cause condensation inside the camera. If this occurs, turn the camera off and wait an hour before turning it on again. If condensation forms on the memory card, remove the card and wait for the condensation to dissipate.

Cleaning

Use a blower to remove dust from the lens and monitor, then gently wipe with a soft, dry cloth. Any remaining stains can be removed by wiping gently with a piece of FUJIFILM lens-cleaning paper to which a small amount of lens-cleaning fluid has been applied. Care should be taken to avoid scratching the lens or monitor. The camera body can be cleaned with a soft, dry cloth. Do not use alcohol, thinner, or other volatile chemicals.

Traveling

Keep the camera in your carry-on baggage. Checked baggage may suffer violent shocks that could damage the camera.

Power and Battery

Problem		Possible cause	Solution	Page
Power supply	The camera does not turn on.	The batteries are exhausted.	Insert fresh or fully-charged spare batteries.	8
		The batteries are not in the correct orientation.	Re-insert the batteries in the correct orientation.	8
		The battery-chamber cover is not latched.	Latch the battery-chamber cover.	9
		The AC power adapter and DC coupler are not connected properly.	Make sure that the AC power adapter and DC coupler are properly connected.	—
		The camera has been left for an extended period with no batteries inserted and the AC power adapter/DC coupler unplugged.	After inserting the batteries or connecting the AC power adapter/DC coupler, wait a few moments before turning the camera on.	—
	The batteries run down quickly.	The batteries are cold.	Warm the batteries by placing them in a pocket or other warm place and re-insert them in the camera immediately before taking a picture.	vi
		There is dirt on the battery terminals.	Clean the terminals with a soft, dry cloth.	—
		The camera is in SR AUTO mode.	Select another shooting mode.	21
		The batteries are new, have been left unused for an extended period, or have been recharged without first being fully discharged (rechargeable Ni-MH batteries only).	Discharge Ni-MH batteries using the **DISCHARGE** option and recharge them in a battery charger (sold separately). If the batteries do not hold a charge after repeated discharging and recharging, they have reached the end of their service life and must be replaced.	105
		CONTINUOUS is selected for **AF MODE**.	Select a different focusing option.	81
	The camera turns off suddenly.	The batteries are exhausted.	Insert fresh or fully-charged spare batteries.	8
		The AC power adapter or DC coupler has been disconnected.	Make sure that the AC power adapter and DC coupler are properly connected.	—

Menus and Displays

Problem	Possible cause	Solution	Page
Menus and displays are not in English.	English is not selected for the 言語/LANG. option in the setup menu.	Select **ENGLISH**.	14, 99

Shooting

Problem		Possible cause	Solution	Page
Taking pictures	No picture is taken when the shutter button is pressed.	Memory is full.	Insert a new memory card or delete pictures.	10, 54
		Memory is not formatted.	Format the memory card.	102
		There is dirt on the memory card contacts.	Clean the contacts with a soft, dry cloth.	—
		The memory card is damaged.	Insert a new memory card.	10
		The batteries are exhausted.	Insert fresh or fully-charged spare batteries.	8
		The camera has turned off automatically.	Turn the camera on.	13
	The monitor goes dark after shooting.	The flash has fired.	The monitor may darken while the flash charges. Wait for the flash to charge.	36
Focus	The camera does not focus.	The subject is close to the camera.	Select macro mode.	35
		The subject is far away from the camera.	Cancel macro mode.	
		The subject is not suited to autofocus.	Use focus lock.	33

Problem		Possible cause	Solution	Page
Intelligent Face Detection	Face detection not available.	Intelligent Face Detection is not available in the current shooting mode.	Choose a different shooting mode.	21
	No face is detected.	The subject's face is obscured by sunglasses, a hat, long hair, or other objects.	Remove the obstructions.	31
		The subject's face occupies only a small area of the frame.	Change the composition so that the subject's face occupies a larger area of the frame.	
		The subject's head is tilted or horizontal.	Ask the subject to hold their head straight.	
		The camera is tilted.	Hold the camera straight.	17
		The subject's face is poorly lit.	Shoot in bright light.	—
	Wrong subject selected.	The selected subject is closer to the center of the frame than the main subject.	Recompose the picture or turn face detection off and frame the picture using focus lock.	31, 33
Close-ups	Macro mode is not available.	Macro mode is not available in the current shooting mode.	Choose a different shooting mode.	21, 35
Flash	The flash does not fire.	The flash is lowered.	Raise the flash.	36
		The flash is charging.	Wait for the flash to charge.	36
		The flash is not available in the current shooting mode.	Choose a different shooting mode.	21
		The batteries are exhausted.	Insert fresh or fully-charged spare batteries.	8
		The camera is in super macro or continuous shooting mode.	Turn super macro and continuous shooting modes off.	35, 40
	Flash mode not available.	The desired flash mode is not available in the current shooting mode.	Choose a different shooting mode.	21
	The flash does not fully light the subject.	The subject is not in range of the flash.	Position the subject in range of the flash.	124
		The flash window is obstructed.	Hold the camera correctly.	17
		Fast shutter speed selected.	Choose a slower shutter speed.	27, 29

Problem		Possible cause	Solution	Page
Problem images	Pictures are blurred.	The lens is dirty.	Clean the lens.	108
		The lens is blocked.	Keep objects away from the lens.	17
		!AF is displayed during shooting and the focus frame is displayed in red.	Check focus before shooting.	116
		!📷 is displayed during shooting.	Use the flash or a tripod.	36–37
	Pictures are mottled.	The ambient temperature is high and the subject is poorly lit.	This is normal and does not indicate a malfunction.	—
	Vertical lines appear in pictures.	The camera has been used continuously at high temperatures.	Turn the camera off and wait for it to cool down.	—
	Smear appears in pictures.	The sun or another bright object was in the frame.	White or purple vertical lines may appear when a very bright object is framed in the display. This is normal and does not indicate a malfunction. Smear is not recorded in photographs but may appear in movies. If possible, avoid shooting movies with bright objects in or close to the frame.	120
Recording	Pictures are not recorded.	Power was interrupted during shooting.	Turn the camera off before connecting the AC power adapter/DC coupler. Leaving the camera on can result in corrupted files or damage to the memory card.	—
Continuous shooting mode	Only one picture is taken.	The self timer is on and an option 📷 and 📷 are selected in continuous shooting mode.	Turn the self-timer off.	38

Playback

Problem		Possible cause	Solution	Page
Pictures	Pictures are grainy.	The pictures were taken with a different make or model of camera.	—	—
	Playback zoom unavailable.	The picture has been resized or cropped to 640 or is from another make or model of camera.	—	47
Audio	No sound in voice memo and movie playback.	The camera is in silent mode.	Turn silent mode off.	18
		Playback volume is too low.	Adjust playback volume.	104
		The microphone was obstructed.	Hold the camera correctly during recording.	57, 96
		The speaker is obstructed.	Hold the camera correctly during playback.	59, 97
Deletion	Selected pictures not deleted.	Some of the pictures selected for deletion are protected.	Remove protection using the device with which it was originally applied.	92
Frame no.	File numbering is unexpectedly reset.	The battery-chamber cover was opened while the camera was on.	Turn the camera off before opening the battery-chamber cover.	13

Connections

Problem		Possible cause	Solution	Page
TV	Monitor is off.	The camera is connected to a TV.	View pictures on the TV.	60
	No picture or sound.	The camera is not properly connected.	Connect the camera correctly.	60
		An A/V cable was connected during movie playback.	Connect the camera once movie playback has ended.	59, 60
		Input on the television is set to "TV".	Set input to "VIDEO".	—
		The camera is not set to the correct video standard.	Match the camera NTSC/PAL **VIDEO SYSTEM** setting to the TV.	100
		The volume on the television is too low.	Adjust the volume.	—
	No color.	The camera is not set to the correct video standard.	Match the camera NTSC/PAL **VIDEO SYSTEM** setting to the TV.	100
Computer	The computer does not recognize the camera.	The camera is not properly connected.	Connect the camera correctly.	72
PictBridge	Pictures can not be printed.	The camera is not properly connected.	Connect the camera correctly.	62
		The printer is off.	Turn the printer on.	—
	Only one copy is printed.	The printer is not PictBridge-compatible.	—	—
	The date is not printed.			

Miscellaneous

Problem	Possible cause	Solution	Page
Nothing happens when the shutter button is pressed.	Temporary camera malfunction.	Remove and reinsert the batteries or disconnect and reconnect the AC power adapter/DC coupler.	8
	The batteries are exhausted.	Insert fresh or fully-charged spare batteries.	8
The camera does not function as expected.	Temporary camera malfunction.	Remove and reinsert the batteries or disconnect and reconnect the AC power adapter/DC coupler. If the problem persists, contact your FUJIFILM dealer.	8
I want to use an AC power adapter and DC coupler overseas.	Check the label on the AC power adapter.	The AC power adapter can be used with voltages of 100–240 V and power frequency of 50/60Hz. However, power outlets differ depending on the regions. Consult your travel agent for information on plug adapters.	—

Warning Messages and Displays

The following warnings are displayed in the monitor:

Warning	Description	Solution
(red)	Batteries are low.	Insert fresh or fully-charged spare batteries.
(blinks red)	Batteries are exhausted.	
	Slow shutter speed. Picture may be blurred.	Use the flash or mount the camera on a tripod.
AF (displayed in red with red focus frame)	The camera can not focus.	• Use focus lock to focus on another subject at the same distance, then recompose the picture (pg. 33). • Use macro mode to focus when taking close-ups.
Aperture or shutter speed shown in red	The subject is too bright or too dark. The picture will be over- or under-exposed.	If the subject is dark, use the flash.
BLINK DETECTED	A subject or subjects may have blinked.	Retake the photograph if desired.
FOCUS ERROR	Camera malfunction.	Turn the camera off and then on again, taking care not to touch the lens. If the message persists, contact a FUJIFILM dealer.
TURN OFF THE CAMERA AND TURN ON AGAIN		
LENS CONTROL ERROR		
CARD NOT INITIALIZED	The memory card is not formatted or the memory card was formatted in a computer or other device.	Format the memory card using the **FORMAT** option in the camera setup menu (pg. 102).
	The memory card contacts require cleaning.	Clean the contacts with a soft, dry cloth. If the message is repeated, format the memory card (pg. 102). If the message persists, replace the memory card.
	Camera malfunction.	Contact a FUJIFILM dealer.
PROTECTED CARD	The memory card is locked.	Unlock the memory card (pg. 10).

Warning	Description	Solution
BUSY	The memory card is incorrectly formatted.	Use the camera to format the memory card (pg. 102).
CARD ERROR	The memory card is not formatted for use in the camera.	Format the memory card (pg. 102).
	The memory card contacts require cleaning or the memory card is damaged.	Clean the contacts with a soft, dry cloth. If the message is repeated, format the memory card (pg. 102). If the message persists, replace the memory card.
	Incompatible memory card.	Use a compatible memory card.
	Camera malfunction.	Contact a FUJIFILM dealer.
SD MEMORY FULL	The memory card is full; pictures can not be recorded.	Delete pictures or insert a memory card with more free space.
WRITE ERROR	Memory card error or connection error.	Re-insert the memory card or turn the camera off and then on again. If the message persists, contact a FUJIFILM dealer.
	Not enough memory remaining to record additional pictures.	Delete pictures or insert a memory card with more free space.
	The memory card is not formatted.	Format the memory card (pg. 102).
READ ERROR	The file is corrupt or was not created with the camera.	The file can not be played back.
	The memory card contacts require cleaning.	Clean the contacts with a soft, dry cloth. If the message is repeated, format the memory card (pg. 102). If the message persists, replace the memory card.
	Camera malfunction.	Contact a FUJIFILM dealer.
FRAME NO. FULL	The camera has run out of frame numbers (current frame number is 999-9999).	Format the memory card and select **RENEW** for the **FRAME NO.** option in the **SET-UP** menu. Take a picture to reset frame numbering to 100-0001, then return to the **FRAME NO.** menu and select **CONTINUOUS**.

Warning	Description	Solution
TOO MANY FRAMES	An attempt was made to search more than 5,000 images.	The maximum number of images on which searches can be performed is 5,000.
PROTECTED FRAME	An attempt was made to add a voice memo to or delete a protected picture.	Remove protection before adding voice memos to or deleting pictures.
! ERROR	Voice memo file is corrupt.	The voice memo can not be played back.
	Camera malfunction.	Contact a FUJIFILM dealer.
640 CAN NOT CROP	An attempt was made to crop a 640 picture.	These pictures can not be cropped.
CAN NOT CROP	The picture selected for cropping is damaged or was not created with the camera.	
640 CANNOT EXECUTE	An attempt was made to resize a 640 picture.	640 and 320 images can not be resized.
320 CANNOT EXECUTE	An attempt was made to resize a 320 picture.	
DPOF FILE ERROR	The DPOF print order on the current memory card contains more than 999 images.	The maximum number of images to which DPOF print order can be tagged is 999 per memory card.
CAN NOT SET DPOF	The picture can not be printed using DPOF.	—
CAN NOT SET DPOF	Movies can not be printed using DPOF.	—
CAN NOT ROTATE	The picture is protected.	Remove protection before rotating pictures.
CAN NOT ROTATE	Movies can not be rotated.	—
PRESS AND HOLD THE DISP BUTTON TO DEACTIVATE SILENT MODE	An attempt was made to adjust the volume with the camera in silent mode.	Exit silent mode before adjusting the volume.
COMMUNICATION ERROR	A connection error occurred while pictures were being printed or copied to a computer or other device.	Confirm that the device is turned on and that the USB cable is connected.
PRINTER ERROR	Printer out of paper or ink, or other printer error.	Check printer (see printer manual for details). To resume printing, turn the printer off and then turn it back on.
PRINTER ERROR RESUME?		Check printer (see printer manual for details). If printing does not resume automatically, press **MENU/OK** to resume.

Warning	Description	Solution
CAN NOT BE PRINTED	An attempt was made to print a movie, a picture not created with the camera, or a picture in a format not supported by the printer.	Movies and some pictures created with other devices can not be printed. If the picture was created with the camera, check the printer manual to confirm that the printer supports the JFIF-JPEG or Exif-JPEG format. If it does not, the pictures can not be printed.

Glossary

Digital zoom: Unlike optical zoom, digital zoom does not increase the amount of visible detail. Instead, details visible using optical zoom are simply enlarged, producing a slightly "grainy" image.

DPOF (**D**igital **P**rint **O**rder **F**ormat): A standard that allows pictures to be printed from "print orders" stored on a memory card. The information in the order includes the pictures to be printed and the number of copies of each picture.

EV (**E**xposure **V**alue): The exposure value is determined by the sensitivity of the image sensor and the amount of light that enters the camera while the image sensor is exposed. Each time the amount of light doubles, EV increases by one; each time the amount of light is halved, EV decreases by one. The amount of light entering the camera can be controlled by adjusting aperture and shutter speed.

HDMI (**H**igh-**D**efinition **M**ultimedia **I**nterface): An interface standard for the transmission of images and sound that adds audio input to the DVI interface used to connect computers to displays.

Motion JPEG: An AVI (**A**udio **V**ideo **I**nterleave) format that stores sound and JPEG images in a single file. Motion JPEG files can be played in Windows Media Player (requires DirectX 8.0 or later) or QuickTime 3.0 or later.

Smear: A phenomenon specific to CCDs which causes white streaks to appear when very bright light sources, such as the sun or reflected sunlight, appear in the frame.

White balance: The human brain automatically adapts to changes in the color of light, with the result that objects that appear white under one light source still appear white when the color of the light source changes. Digital cameras can mimic this adjustment by processing images according to the color of the light source. This process is known as "white balance."

Memory Card Capacity

The following table shows the recording time or number of pictures available at different image sizes. All figures are approximate; file size varies with the scene recorded, producing wide variations in the number of files that can be stored. The number of exposures or length remaining may not diminish at an even rate.

	Medium	4 GB		8 GB	
		FINE	NORMAL	FINE	NORMAL
Photographs	L 4:3	570	1120	1170	2310
	L 3:2	630	1250	1310	2580
	L 16:9	750	1470	1550	3040
	M 4:3	1070	2080	2220	4300
	M 3:2	1200	2330	2490	4840
	M 16:9	1420	2720	2930	5610
	S 4:3	2330	4340	4800	8960
	S 3:2	2600	4820	5370	9940
	S 16:9	3400	6160	7020	12700
Movies[1]	HD 1280[2]	17 min.		35 min.	
	640	53 min.		107 min.	
	320	112 min.		226 min.	

1 Individual movies cannot exceed 2 GB in size or 29 minutes in length, regardless of capacity of memory card. Recording times shown here are the approximate total time of all recorded movies.

2 Use a CLASS 4 card or better when shooting HD movies.

Specifications

System	
Model	Digital Camera FinePix S4000/S4000A/S3900 series, S3400/S3300/S3200 series
Effective pixels	14 million
CCD	1/2.3-in., square-pixel CCD with primary color filter
Storage media	SD/SDHC memory cards (see page 10)
File system	Compliant with **D**esign Rule for **C**amera **F**ile System (DCF), Exif 2.3, and **D**igital **P**rint **O**rder **F**ormat (DPOF)
File format	• **Still pictures**: Exif 2.3 JPEG (compressed) • **Movies**: AVI-format Motion JPEG • **Audio**: monaural WAV
Image size (pixels, file size)	• **L 4:3**: 4,288×3,216 (14M) • **L 3:2**: 4,288×2,864 (12M) • **L 16:9**: 4,288×2,416 (10M) • **M 4:3**: 3,072×2,304 (7M) • **M 3:2**: 3,072×2,048 (6M) • **M 16:9**: 3,072×1,728 (5M) • **S 4:3**: 2,048×1,536 (3M) • **S 3:2**: 2,048×1,360 (3M) • **S 16:9**: 1,920×1,080 (2M)
Lens	**S4000/S4000A/S3900 series**
Focal length	Fujinon 30× optical zoom lens, F/3.1 (wide angle)–5.9 (telephoto) f=4.3 mm–129.0 mm (35-mm format equivalent: 24 mm– 720 mm)
	S3400 series Fujinon 28× optical zoom lens, F/3.1 (wide angle)–5.9 (telephoto) f=4.3 mm–120.4 mm (35-mm format equivalent: 24 mm– 672 mm)
	S3300 series Fujinon 26× optical zoom lens, F/3.1 (wide angle)–5.9 (telephoto) f=4.3 mm–111.8 mm (35-mm format equivalent: 24 mm– 624 mm)
	S3200 series Fujinon 24× optical zoom lens, F/3.1 (wide angle)–5.9 (telephoto) f=4.3 mm–103.2 mm (35-mm format equivalent: 24 mm–576 mm)
Digital zoom	• **Still pictures**: approx. 6.7× (**S4000/S4000A/S3900 series**: up to 201× / **S3400 series**: up to 187.6× / **S3300 series**: up to 174.2× / **S3200 series**: up to 160.8, with optical zoom) • **Movies**: approx. 3× (**HD 1280**)/approx. 2× (**640**, **320**)
Aperture	F3.1/F8* (wide angle), F5.9/F8/F20* (telephoto), *uses Neutral Density (ND) filter

System	
Focus range (distance from front of lens)	Approx. 0.4 m (1.3 ft.)–infinity (wide angle); **S4000/S4000A/S3900/S3400 series**: approx. 2.8 m (9.2 ft.)–infinity (telephoto) / **S3300/S3200 series**: approx. 2.5 m (8.2 ft.)–infinity (telephoto) • **Macro**: approx. 7 cm–3 m/2.8 in.–9.8 ft. (wide angle); **S4000/S4000A/S3900/S3400 series**: approx. 2 m–3 m/6.6 ft.–9.8 ft. (telephoto) /**S3300/S3200 series**: approx. 1.9 m–3 m/6.2 ft.–9.8 ft. (telephoto) • **Super macro**: approx. 2 cm–100 cm/0.8 in.–3.3 ft. (wide angle)
Sensitivity	Standard output sensitivity equivalent to ISO 64, 100, 200, 400, 800, 1600, 3200, 6400 (3200 and 6400 available only at image sizes S); **AUTO**, **AUTO (400)**, **AUTO (800)**
Metering	256-segment **t**hrough-**t**he-**l**ens (TTL) metering; MULTI, SPOT, AVERAGE
Exposure control	Programmed AE, shutter-priority AE, aperture-priority AE, and manual exposure
Exposure compensation	–2 EV – +2 EV in increments of ⅓ EV (**P**, **S**, and **A** modes)
Scene modes	(ZOOM BRACKETING), (NATURAL &), (NATURAL LIGHT), (PORTRAIT), (BABY MODE), (SMILE&SHOOT), (LANDSCAPE), (SPORT), (NIGHT), (NIGHT (TRIPOD)), (FIREWORKS), (SUNSET), (SNOW), (BEACH), (PARTY), (FLOWER), (TEXT)
Scene recognition	Available (camera automatically selects , , , , , or)
Picture stabilization	Optical stabilization, CCD shift
Blink detection	Available
Shutter speed (combined mechanical and electronic shutter)	• **P**, **S**, **A**, **M**: 8 s – ½,000 s • : 8 s – ½ s • : ⅛ s – ½,000 s • **Other modes**: ¼ s – ½,000 s • : 3 s – ⅟1,500 s
Continuous	• : up to 1.2 fps; max. 6 frames • : up to 1.2 fps; max. 3 frames • : up to 1.2 fps; maximum number of frames varies with image size and available memory • : up to 1.2 fps; last 6 frames recorded • : up to 3.3 fps; max. 20 frames; size M • : up to 8 fps; max. 40 frames; size S
Bracketing	±⅓ EV, ±⅔ EV, ±1 EV
Focus	• **Mode**: CENTER/MULTI/AREA/CONTINUOUS/TRACKING • **Autofocus system**: Contrast-detect TTL AF

System	
White balance	Automatic scene detection; six manual preset modes for direct sunlight, shade, daylight fluorescent, warm white fluorescent, cool white fluorescent, and incandescent lighting; custom white balance
Self-timer	Off, 2 sec, 10 sec
Flash	Manual pop-up flash with CCD-metered auto flash control (using monitor pre-flashes); effective range when sensitivity is set to **ISO800** is approx. 40 cm–7 m/1.3 ft.–23 ft. (wide angle) or 2.5 m–3.6 m/8.2 ft.–11.8 ft. (telephoto); effective range in macro mode is approx. 30 cm–3 m/1 ft.–9.8 ft. (wide angle) or 2 m–3 m/6.6 ft.–9.8 ft. (telephoto)
Flash modes	Auto, forced flash, off, slow synchro (red-eye removal off); auto with red-eye removal, forced flash with red-eye removal, off, slow sync with red-eye removal (red-eye removal on)
Electronic viewfinder (EVF)	0.2-in., 200k-dot color LCD viewfinder
Frame coverage	Approx. 97% (shooting), 100% (playback)
Monitor	**S4000/S3400 series**
Frame coverage	3.0-in., 460k-dot color LCD monitor Approx. 97% (shooting), 100% (playback)
	S4000A/S3900/S3300/S3200 series
	3.0-in., 230k-dot color LCD monitor Approx. 97% (shooting), 100% (playback)
Movies	HD **1280** (1,280×720/720p)/ 640 (640×480/VGA)/ 320 (320×240/QVGA); monaural sound; frame rate 30 fps

Input/output terminals	
A/V OUT (audio/video output)	NTSC or PAL output with monaural sound
HDMI output	HDMI Mini Connector
Digital input/output	USB 2.0 High Speed; shares A/V OUT connector

Power supply/other	
Power sources	• AA alkaline batteries (×4) • AA lithium batteries (×4; available from third-party suppliers) • AA rechargeable nickel-metal hydride (Ni-MH) batteries (×4; available from third-party suppliers) • AC-5VX AC power adapter and CP-04 DC coupler (sold separately)
Battery life (approximate number of frames that can be taken with fresh or fully charged batteries)	See table below
Camera dimensions	118 mm × 80.9 mm × 99.8 mm/4.6 in. × 3.2 in. × 3.9 in. (W × H × D), excluding projections
Camera weight	**S4000/S4000A/S3900 series** Approx. 445 g/15.7 oz., excluding batteries, accessories, and memory cards **S3400 series** Approx. 445 g/15.7 oz., excluding batteries, accessories, and memory cards **S3300 series** Approx. 445 g/15.7 oz., excluding batteries, accessories, and memory cards **S3200 series** Approx. 445 g/15.7 oz., excluding batteries, accessories, and memory cards

Battery type	Approximate number of frames
Alkaline (type supplied with camera)	300
Lithium	700
Ni-MH	500

CIPA standard, measured in 📷 (auto) mode using batteries supplied with camera (alkaline batteries only) and SD memory card.

Note: Number of shots that can be taken with battery varies with battery charge level and will decline at low temperatures.

Power supply/other	
Shooting weight	**S4000/S4000A/S3900 series** Approx. 540 g/19.0 oz., including batteries and memory card
	S3400 series Approx. 540 g/19.0 oz., including batteries and memory card
	S3300 series Approx. 540 g/19.0 oz., including batteries and memory card
	S3200 series Approx. 540 g/19.0 oz., including batteries and memory card
Operating conditions	• **Temperature**: 0 °C – +40 °C/+32 °F – +104 °F • **Humidity**: 10% – 80% (no condensation)

Color Television Systems

NTSC (**N**ational **T**elevision **S**ystem **C**ommittee) is a color television telecasting specification adopted mainly in the U.S.A., Canada, and Japan. PAL (**P**hase **A**lternation by **L**ine) is a color television system adopted mainly in European countries and China.

Notices

- Specifications subject to change without notice. FUJIFILM shall not be held liable for damages resulting from errors in this manual.
- Although the monitor is manufactured using advanced high-precision technology, small bright points and anomalous colors (particularly in the vicinity of text) may appear. This is normal for this type of monitor and does not indicate a malfunction; images recorded with the camera are unaffected.
- Digital cameras may malfunction when exposed to strong radio interference (e.g., electric fields, static electricity, or line noise).
- Due to the type of lens used, some distortion may occur at the periphery of images. This is normal.

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http://www.fujifilm.com/products/digital_cameras/index.html