DIGITAL CAMERA

FINEPIX Z800EXR

Owner's Manual

Thank you for your purchase of this product. This manual describes how to use your FUJIFILM FinePix Z800EXR 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













First Steps

Basic Photography and Playback

More on Photography

More on Playback

Movies

Connections

Menus

Technical Notes

Troubleshooting

Appendix



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 polarized plug.

Alternate Warnings: This 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.

not defeat the safety purpose of the This video product should never be An placed near or over a radiator or heat

> 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.

appliance and cart combination should be moved with care. Quick stops, excessive force. and uneven sur-



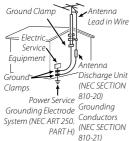
faces may cause the appliance and cart combination to overturn

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 Flectrical 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 arounding 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.



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



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

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



Triangular icons 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



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 from power socket.

· Contact your FUJIFILM dealer.

∕N 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 the camera in the bathroom or shower.

Do not use in This can cause a fire or electric shock.



Never attempt to disassemble or modify (never open the case).

Failure to observe this precaution can cause fire or electric shock.



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

Do not touch internal parts

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. $\label{eq:connection}$

These actions could damage the cord and cause a fire or electric shock.

If the cord is damaged, contact your FUJIFILM dealer.



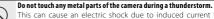
Do not place the camera on an unstable surface.

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.



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.

<u> (</u>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



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 Battery Life 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 tween 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.

At normal temperatures, the battery can be used at least 300 times. If the time for which the battery • Do not expose the battery to waprovides power shortens markedly, this indicates that the battery has . Always keep the battery terminals reached the end of its effective life and should be replaced.

■ Notes on storage

- at ambient temperatures be- 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 cam-
 - 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.
- 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.

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 hatteries. 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 **Solution** Using the AA-size Ni-MH batteries 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.

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 FUJIFII M. 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.

- adapter. Doing so could be dangerous.
- Do not use the AC power adapter performances, entertainments and in a hot and humid place.
- adapter to strong shocks.
- 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

• Do not take apart the AC power unless intended only for personal Trademark Information use. Note that some restrictions ap- • and xD-Picture Card™ are ply to the photographing of stage exhibits, even when intended purely • Do not subject the AC power for personal use. Users are also asked to note that the transfer of Memory • The AC power adapter may emit a 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.

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- · HDMI logo is a trademark.
- YouTube is a trademark of Google Inc.
- are trademarks or registered trademarks of the respective companies

■ Notes on Flectrical 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

Fxif Print (Fxif 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 • Other company or product names 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 & Apg. x
Know what you want to do but don't know the name for it? Find the answer in "Camera Q & A."

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

✓ Warning Messages and Displayspg. 105
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✓ Restrictions on Camera Settings.......Basic Manual See the Basic Manual for restrictions on the options available in each shooting mode.

Memory Cards

Pictures can be stored in the camera's internal memory or on SD and SDHC memory cards. In this manual, SD memory cards are referred to as "memory cards." For more information, see page 11.

Camera Q & A

Find items by task.

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Introduction

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.

Jip: 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:



NP-45A rechargeable battery



BC-45W battery charger



USB cable



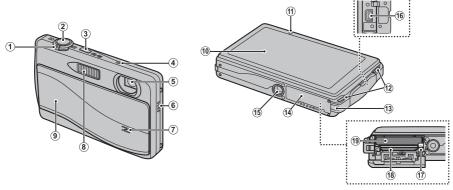
CD-ROM

- Strap
- · Basic Manual



Parts of the Camera

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



1	Zoom control 19, 59
2	Shutter button21
3	▲/▶ button14, 22, 44
4	Microphone59
5	Lens111
6	Speaker61

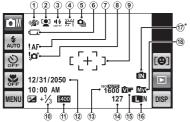
7	Illuminator	85
	Self-timer lamp	36
8	Flash	32
9	On/off switch and lens cover	14
10	Monitor/touch panel display	3-7
11	Indicator lamp	20
12	Strap eyelet	1

13	DC coupler cable cover	
14	Battery-chamber cover	9
15	Tripod mount	
16	USB connector62,	, 68
17	Battery latch9	, 10
18	Memory card slot	12
19	Battery chamber	9

Camera Displays (Touch Panel)

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

■ Shooting

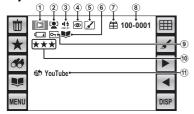


* th: indicates that no memory card is inserted and that pictures will be stored in the camera's internal memory (pg. 11).

1	Dual IS mode18
2	Intelligent Face Detection
	indicator30
3	Silent mode indicator21
4	White balance76
5	Continuous mode76
6	Battery level18
7	Focus warning20, 105
8	Blur warning105
9	Focus frame38, 77

3	10	Exposure compensation72
	11	Dynamic range75
)	12	Date and time15, 85
	13	Sensitivity73
5	14	Number of available frames 110
5	15	Film simulation75
3	16	Image quality and size74, 75
)	17	Internal memory indicator*11
5	18	Current folder79

■ Playback



1	Playback mode indicator 23, 44
2	Intelligent Face Detection
	indicator30
3	Silent mode indicator21
4	Red-eye removal indicator53
5	Edit49

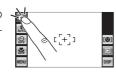
6	Photobook assist indicator	56
7	Gift image	44
8	Frame number	88
9	Protected image	.82
10	Rating	44
11	Mark for upload to	8

The Touch Panel Display

The touch panel display can be operated by tapping the display or gliding the stylus or a finger over the panel. The panel responds to pressure; use a firm touch, but do **NOT** use excessive force.

■ Тар

Lightly tap the display to adjust settings or select pictures or menu options.



■ Scroll

Glide lightly over the display to scroll through pictures during playback.



N Cautions

Note that some monitor covers may affect the visibility of the image in the monitor or make the monitor less responsive. To avoid damaging the monitor and touch panel display, observe the following precautions:

- Use only your fingers to operate the panel. Do not use excessive force.
- Do not sit on the camera (by, for example, leaving it in a back pocket when sitting down), place it under heavy objects, or attempt to force it into a small space (such as a suitcase that is already full).
- Do not attach objects to the camera strap that might place pressure on the monitor.



The Touch Panel Display

The actual displays may differ from those shown in this manual.

Rotating the Camera

With some exceptions, the display in the monitor rotates 90° when the camera is in "tall" orientation.

■ Shooting



Camera held in "wide" (landscape) orientation



Camera held in "tall" (portrait) orientation

■ Playback



Camera held in "wide" (landscape) orientation

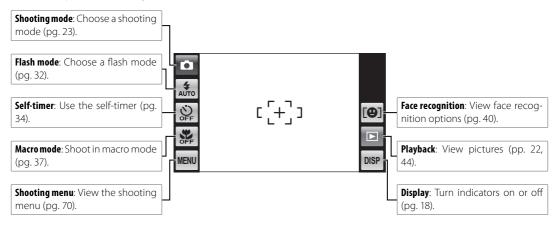


Camera held in "tall" (portrait) orientation

Touch Panel Icons

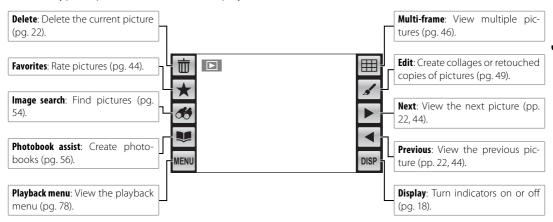
■ Shooting

Tap the icons in the shooting display to perform the operations listed below. The icons displayed vary with the options currently selected.



■ Playback

Tap the icons in the playback display to perform the operations listed below. The icons displayed vary with the type of picture and the current playback mode.



Charging the Battery

The battery is not charged at shipment. Charge the battery before use.



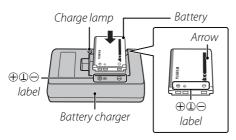
Batteries

The camera uses an NP-45A rechargeable battery.

Place the battery in the charger. Insert the battery into the supplied battery charger as shown, making sure that the bat-

tery is in the orientation indicated by the

 \oplus \bigcirc label.



**** Cautions

- Unplug the charger when it is not in use.
- Remove dirt from the battery terminals with a clean, dry cloth. Failure to observe this precaution could prevent the battery from charging.
- Charging times increase at low temperatures.

7 Plug the charger in.

Plug the charger into a power outlet. The charging indicator will light.

The Charging Indicator

The charging indicator shows battery charge status as follows:

Charging indicator	Battery status	Action
Off	Battery not inserted.	Insert the battery.
Oll	Battery fully charged.	Remove the battery.
On	Battery charging.	_
Blinks	Battery fault.	Unplug the charger and remove the battery.

? Charge the battery.

Remove the battery when charging is complete. See page 114 for information on charging times.

Inserting the Battery

After charging the battery, insert it in the camera as described below.

1 Open the battery-chamber cover.

Lightly press the center of the battery-chamber cover and open it as shown.



← Note

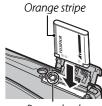
Be sure the camera is off before opening the battery-chamber cover.

N 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 battery.

Align the orange stripe on the battery with the orange battery latch and slide the battery into the camera, keeping the battery latch pressed to one side. Confirm that the battery is securely latched.



Battery latch

**** Caution

Insert the battery in the correct orientation. *Do* NOT *use force or attempt to insert the battery upside down or backwards.* The battery will slide in easily in the correct orientation.

? Close the battery-chamber cover.

Close the battery-chamber cover and then lightly press it down and slide it in to latch.



Removing the Battery

After turning the camera off, open the battery-chamber cover, press the battery latch to the side, and slide the battery out of the camera as shown.



**** Caution

Turn the camera off before removing the battery.

**** Cautions

- Do not affix stickers or other objects to the battery. Failure to observe this precaution could make it impossible to remove the battery from the camera.
- Do not short the battery terminals. The battery could overheat.
- Read the cautions on page vi.
- Use only battery chargers designated for use with the battery. Failure to observe this precaution could result in product malfunction.
- Do not remove the labels from the battery or attempt to split or peel the outer casing.
- The battery gradually loses its charge when not in use. Charge the battery one or two days before use.

■ Tips: Using an AC Power Adapter

- The camera can be powered by an optional AC power adapter and DC coupler (sold separately). See the manuals provided with the AC power adapter and DC coupler for details.
- If the camera is powered by an AC power adapter, demo mode instructions will be displayed when the camera is turned on. Selecting demo mode starts a slide show; to cancel, press the shutter button.

Inserting a Memory Card

Although the camera can store pictures in internal memory, optional SD memory cards (sold separately) can be used to store additional pictures.

When no memory card is inserted, In appears in the monitor and internal memory is used for recording and playback. Note that because camera malfunction could cause internal memory to become corrupted, the pictures in internal memory should periodically be transferred to a computer and saved on the computer hard disk or on removable media such as CDs or DVDs. The pictures in internal memory can also be copied to a memory card (see page 80). To prevent internal memory from becoming full, be sure to delete pictures when they are no longer needed.

When a memory card is inserted as described below, the card will be used for recording and playback.

■ Compatible Memory Cards

FUJIFILM and 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

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



Write-protect switch

■ Inserting a Memory Card

1 Turn the camera off and open the batterychamber cover.

Lightly press the center of the battery-chamber cover and open it as shown.



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



**** Caution

Be sure card is in correct orientation; do not insert at an angle or use force. If the memory card is not correctly inserted, pictures



will be recorded to internal memory.

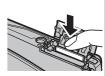
? Close the battery-chamber cover.

Close the battery-chamber cover and then lightly press it down and slide it in to latch.



Removing Memory Cards

Turn the camera off and then press the card in and 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.

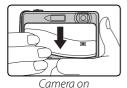
N Cautions

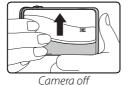
- Do not turn the camera off or remove the memory card while the memory card is being formatted or data are being recorded to or deleted from the card. Failure to observe this precaution could damage the card.
- Format SD memory cards before first use, and be sure to reformat all memory cards after using them in a computer or other device. For more information on formatting memory cards, see page 90.
- 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 SD memory card. Use a card with a class 4 write speed (4MB/s) or better when shooting HD movies.
- The data in internal memory may be erased or corrupted when the camera is repaired. Please note that the repairer will be able to view pictures in internal memory.
- Formatting a memory card or internal memory 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 and internal memory; before editing or renaming files, copy them to a computer and edit or rename the copies, not the originals.

Turning the Camera on and Off

Shooting Mode

To turn the camera on, open the lens cover fully. The camera turns off when the lens cover is closed.





▼ Tip: Switching to Playback Mode

Touch the ▶ icon or press the ♠/▶ button to start playback.

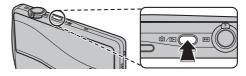
**** Caution

Pictures can be affected by fingerprints and other marks on the lens. Keep the lens clean.

Playback Mode

If the lens cover is closed, the camera can be turned on in playback mode by pressing the \(\blue{\texts}\)/

\(\blue{\texts}\) button for about a second.



Press the **\(\rightarrow\)** button for about a second to turn the camera off.

■ Tip: Switching to Shooting Mode

To exit to shooting mode, press the shutter button or the \bigcirc / \bigcirc button.

Caution

The indicator lamp lights when the camera is turned off. Do not remove the battery while the lamp is lit. The camera can not be turned on again until the lamp turns off.

■ 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 (pg. 91). To turn the camera on, close and reopen the lens cover 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 85).

Choose a language.

Tap to select a language. Tap ▲ or ▼ to view additional languages.



7 Set the date.

Tap the \blacktriangle or \blacktriangledown arrows to set the date and then tap **OK**.



■ Tip: "NO" and "BACK"

Tap **BACK** to return to the previous step, **NO** to skip the current step. Any steps you skip will be displayed the next time the camera is turned on.

← Note

To change the order in which the year, month, and day are displayed, tap YY.MM.DD.

3 Set the time.

Select **AM** or **PM**, tap the ▲ or ▼ arrows to set the time, and tap **OK**.



▲ Choose a shooting mode.

Tap to select.



5 Choose power management options.

Tap one of the following options:

- Da POWER SAVE: Save battery power.
- **DE QUICK AF**: Reduce focusing time, ensuring a guick shutter response.
- **CLEAR DISPLAY**: Choose for a brighter, higher quality display.

Tap **OK** to enter shooting mode when setup is complete.



Tip: The Camera Clock

If the battery is removed for an extended period, the camera clock will be reset and the language-selection dialog will be displayed when the camera is turned on. If the battery is left in the camera or an optional AC power adapter connected for about a day, the battery can be removed for about a week without resetting the clock, language selection, shooting mode, or power management options.

Taking Pictures in (EXR AUTO) Mode

This section describes how to take pictures in see mode (for other shooting modes, see page 23).

- Turn the camera on. Fully open the lens cover.
- Select Ess mode. Tap the shooting mode 🔤 icon to view shooting modes and tap **SMS**.



Display EXR options. A description will be displayed. Tap the description to continue, or wait for it to clear from the display automatically.

Select E.S.

Tap King to select King mode and then tap **OK** to exit to shooting mode





In this mode, the camera auto- Selected scene matically analyzes the composition and selects a scene and EXR mode according to shooting conditions and the type of subject:

- • (PORTRAIT): Human portrait subiect.
- △ (LANDSCAPE): Man-made or natural landscape.
- (NIGHT): Poorly-lit landscape.
- **②** (MACRO): Subject close to camera.
- (BACKLIT PORTRAIT): Back-lit portrait subject.
- 🙉 (NIGHT PORTRAIT): Poorly-lit portrait subject.
- (AUTO) is selected if none of the above are detected.

■ Tip: Auto Image Size

If Im is selected for IMAGE SIZE in Image mode, the camera will automatically select the optimal image size.





EXR mode (displayed when shutter button is pressed halfway)

5 Check the battery level.

Check the battery level in the display.



Indicator	Description	
(white) Battery partially discharged.		
(white)	Battery more than half discharged.	
Ф (red)	Low battery. Charge as soon as possible.	
	Battery exhausted. Turn camera off and charge battery.	

Hiding and Viewing Indicators

To hide indicators in the display, tap the **DISP** icon. Tap again to display indicators.

Indicators displayed



Indicators hidden

Avoiding Blurred Pictures

If the subject is poorly lit, blurring caused by camera or subject movement can be reduced by selecting (*) ON



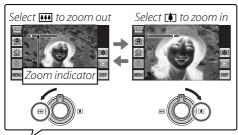
for **DUAL IS MODE** in the

shooting menu (pg. 71). The type of blur reduction can be selected in the setup menu (pg. 85); **4** is displayed when dual IS is off.

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.

6 Frame the picture.

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





By default, the camera uses optical zoom only. If desired, digital zoom (pg. 89) can be used to zoom in closer.

▼ Tip: Focus Lock

Use focus lock (pg. 38) to focus on subjects that are not in the center of the 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.



Best Framing

To display a framing guide ("best framing"), select **ON** for the **FRAMING GUIDELINE** option in the shooting menu (pg. 71).

7 Focus.

Press the shutter button halfway to focus.

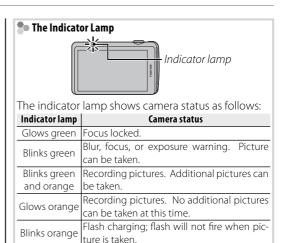


← Note

The lens may make a noise when the camera focuses; this is normal. In mode, the camera continuously adjusts focus and searches for faces, increasing the drain on the battery. is displayed in the monitor.

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. 38).



Blinks red Le

Detailed warnings appear in the display. See pages 105–108 for more information.

Lens or memory error.

R Shoot.

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

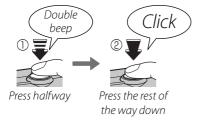


← Note

If the subject is poorly lit, the flash may fire when the picture is taken. To take pictures without the flash, choose another flash mode (pg. 32).

III ■ 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).



Where Are My Pictures Stored?

Pictures will be stored in internal memory if no memory card is inserted. When a memory card is inserted, pictures are stored in the " Ty" ("my pictures") folder. Use folder management (pg. 79) to organize pictures into other folders after shooting.

Silent Mode

In situations in which camera sounds or lights may be unwelcome, select **ON** for **SILENT MODE** in the shooting menu (pg. 71).



The camera speaker, flash, and illuminator turn off; flash and volume settings (pg. 89) can not be adjusted (note that the flash will still fire in • mode). To restore normal operation, turn silent mode off.

Viewing Pictures

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

1 Tap the icon.

The most recent picture will be displayed.



2 View additional pictures.

Scroll left or right or tap ◀ or ▶.



or



Press the shutter button or \(\bullet \rightarrow \) button to exit to shooting mode.

Deleting Pictures

To delete the current picture, tap 亩.



A confirmation dialog will be displayed; tap **OK** to delete the picture or tap **BACK** to exit without deleting the picture.



🔣 Tip: The Playback Menu

Pictures can also be deleted from the playback menu (pg. 47).

Shooting Mode

Choose a shooting mode according to the scene or type of subject.

To choose a shooting mode, tap the shooting mode icon in the monitor and tap the icon for the desired mode.



Mode		See
EXR	EXR	17
AUTO	AUTO	24
-	TOUCH & SHOOT	24
SP	SCENE POSITION	25
511057777 390.	MOTION PANORAMA 360	28

Mode		See
1 / 0 4	NATURAL LIGHT/ NATURAL & \$	27
	NATURAL & 🕏	21
М	MANUAL	29
<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	MOVIE	59

A description of the selected mode will be displayed; tap the description to continue, or wait for it to clear from the display automatically.

EXR EXR

This mode can be used to allow the camera to optimize settings for your current subject or to improve clarity, re-



duce noise, or enhance dynamic range. Selecting this mode displays the following options; select an option and tap **OK**, or tap **BACK** to return to the shooting mode menu.

Option	Description	
	EXR AUTO : The camera automatically se-	
	lects the scene and EXR mode according to	
	shooting conditions (pg. 17).	
ďР	RESOLUTION PRIORITY : Choose for crisp, clear	
	shots.	
	HIGH ISO & LOW NOISE : Reduce noise in pictures	
€n,	taken at high sensitivities.	
®	D-RANGE PRIORITY : Increase the amount of detail	
	visible in highlights.	

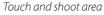
MI AUTO

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

☐ TOUCH & SHOOT

Choose this mode to take pictures by touching the display instead of pressing the shutter button. Touch anywhere inside the "touch and shoot" area to focus on the selected subject and take a picture.







Touch subject to shoot

SP **SCENE POSITION**

This mode offers a choice of "scenes," each adapted to particular shooting condi-



node on.
or a specific type or see,
nu (pg. 23) and tap an icon to select a composition of the faces of dogs or catching.

DOG/© CAT
These scenes, the camera detects and sets focus for the faces of dogs or catching, and the self-timer menu offers a **AUTO RELEASE option that releases the shutter accomposition of the faces of pets is detected (pg. 35; to end shooting, tap STOP). During playback, image search (pg. 54) can be used to search for pictures taken in either mode and the camera can automatically select the faces of pets for playback zoom (pg. 45), slide shows (pg. 81), and when ZOOM (CONTINUOUS) is a composition of the faces or long hair covering their entire face.

**Auto Release of the shouter account of the faces of dogs and cats, results may vary with the breed and shoot-according to the faces or long hair covering their entire face.

**Auto Release of the faces or long hair covering their entire face.

**Auto Release of the faces or long hair covering their entire face.

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**Auto Release of the faces of the face

Scene	Description	
♣ PORTRAIT	Choose for soft-toned portraits with natural skin tones.	
PORTRAIT ENHANCER	Choose for soft-focus portraits with a smooth skin effect.	
A LANDSCAPE	Choose for crisp, clear daylight shots of buildings and landscapes.	
% SPORT	Choose for fast shutter speeds when photographing moving subjects.	
C NIGHT	Choose this mode for poorly lit twilight or night scenes. Sensitivity is automatically raised to reduce blur caused by camera shake. Use a tripod to prevent blur.	
x← NIGHT (TRIPOD)	Choose this mode for slow shutter speeds when shooting at night.	
© FIREWORKS	Slow shutter speeds are used to capture the expanding burst of light from a firework. Shutter speed can be selected by tapping the left and right arrows (◀ and ▶). Use a tripod to prevent blur.	
≚ SUNSET	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 TEXT	Take clear pictures of text or drawings in print. The camera focuses in the macro range.	
₹ DOG	Choose when photographing dogs. The camera detects and focuses on the faces of dogs.	
₩ CAT	Choose when photographing cats. The camera detects and focuses on the faces of cats.	

◆ ANATURAL LIGHT/NATURAL & ‡

Selecting this mode displays the options listed in the column at right; tap the desired option, or tap **BACK** to return to the shooting mode menu.

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.

This mode helps ensure good results with backlit subjects and in other situations with difficult lighting. 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.

- Do not use where flash photography is prohibited.
 The flash will fire even in silent mode.
- Only available if memory remains for two pictures.

PANORAMA 360

Follow an on-screen guide to take photos that will automatically be joined to form a panorama.

Selecting this mode displays panorama options.
 Tap → and select the pan direction.



2 Tap and select the angle through which you will pan the camera while shooting.



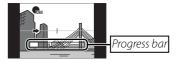
3 Press the shutter button all the way down to start recording. There is no need to keep the shutter button pressed during recording.



🖝 Note

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

4 Pan the camera in the direction shown by the arrow. Shooting ends automatically when the progress bar is full and the panorama is complete.



**** Caution

Depending on camera settings, the camera may have to be panned through a greater or lesser angle than selected. Shooting may be interrupted if the camera is panned too quickly or too slowly. Panning the camera in a direction other than that shown by the arrow cancels shooting.

■ Tip

The completed panorama can be viewed on the camera (pg. 58).

N 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.

Por Best Results

For best results, move the camera in a small circle at a steady speed, keeping the camera horizontal and being careful only to pan in the direction shown by the guides. If the desired results are not achieved, try panning at a different speed.

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.

MANUAL

Choose for complete control of camera settings.

Intelligent Face Detection and Red-Eye Removal

Intelligent Face Detection automatically detects human faces anywhere in the frame and sets focus and exposure for shots that emphasize portrait subjects. Choose to prevent the camera from focusing on the background when taking group portraits, or to remove "red-eye" caused by the flash.

1 Turn Intelligent Face Detection on.

Tap **MENU** to display the shooting menu and tap **(Face Detec.)**



The options shown at right will be displayed. Tap to select.



Option	Description
[]	Intelligent Face Detection and red-eye removal on. Use with the flash.
•	removal on. Use with the flash.
[@]	Intelligent Face Detection on; red-eye removal off.
OFF	Intelligent Face Detection and red-eye removal off.
UFF	removal off.

2 Frame the picture.

Frame the picture in vertical or horizontal orientation. If a face is detected, it will be indicated by a green border. If there is more than one



Green border

face in the frame, the camera will select the face closest to the center; other faces are indicated by white borders.

3 Focus.

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



**** Caution

In some modes, the camera may set exposure for the frame as a whole rather than the portrait subject. If no face is detected when the shutter button is pressed halfway (pg. 100), 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.



N 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 Space Pace Detection on RED EYE REMOVAL ON is selected, the picture will be processed to reduce red-eye before it is recorded.



Intelligent Face Detection

Intelligent Face Detection is recommended when using the self-timer for group- or self-portraits (pg. 34).



When setting focus and exposure, the camera gives priority to subjects in its face recognition database (pg. 40), and subjects identified in this manner can later be located using image search (pg. 54). When a picture taken with Intelligent Face Detection is displayed, the camera can automatically select faces for playback zoom (pg. 45), red-eye removal (pg. 53), slide shows (pg. 81), and when **ZOOM (CONTINUOUS)** is selected for **IMAGE DISP.** (pg. 87).

4 Using the Flash (Super-Intelligent Flash)

When the flash is used, the camera's *Super-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 Choose a flash mode.

Tap the flash mode icon to display a menu of flash modes and tap to select the desired mode (depending on camera settings, some modes may not be available; see page 21 of the *Basic Manual*).



Option	Description	
\$ (AUTO FLASH)	The flash fires when required. Recommended in most situations.	
\$ (FORCED FLASH)	The flash fires whenever a picture is taken. Use for backlit subjects or for natural	
	coloration when shooting in bright light.	
(SUPPRESSED)	The flash does not fire even when the subject is poorly lit. Use of a tripod is recom-	
FLASH)	mended.	
\$\$ (SLOW SYNCHRO)	Capture both the main subject and the background under low light (note that brightly lit scenes may be overexposed).	
	brightly lit scenes may be overexposed).	

7 Focus.

Press the shutter button halfway to focus. If the flash will fire, **3** will be displayed when the shutter button is pressed halfway. At slow shutter speeds, **10** will appear in the display to warn that pictures may be blurred; use of a tripod is recommended.



← Note

When using the flash to take pictures in "tall" (portrait) orientation, we recommend that you hold the camera with the flash above the lens.

3 Shoot.

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



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



Red-Eye Removal

When **Serior** FACE DETECTION ON RED EYE REMOVAL ON is selected for Intelligent Face Detection (pg. 30), red-eye removal (**O**) is available in RED EYE REDUCTION (**O**), FORCED FLASH (**O**4), and RED EYE & SLOW (**O**) modes. 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 "couple timer" for self-portraits taken with a friend, a "group timer" for group portraits, an "auto release timer" for baby portraits, a ten-second timer (pg. 36) that allows photographers to appear in their own photographs, and a two-second timer (pg. 36) that can be used to avoid blur caused by the camera moving when the shutter button is pressed.

Tap the self-timer icon to display self-timer options and tap to select.

Option	Description
ర ≽ (AUTO RELEASE)	For pictures of babies (pg. 35).
ॐ (COUPLE TIMER)	For self-portraits taken with a friend (pg. 35).
७ (GROUP TIMER)	For group portraits (pg. 35).
্ৰে (10 SEC)	Ten-second timer (pg. 36).
☼ (2 SEC)	Two-second timer (pg. 36).
OFF (OFF)	Self-timer off.



← Note

Turn macro mode on when shooting self-portraits with the camera held at arm's length.

■ 🖎 AUTO RELEASE

The shutter is released automatically whenever the camera detects a human portrait subject facing the camera.



Tap **STOP** to end shooting. Use for portraits of babies.

🗫 🖎 Auto Release

Pictures taken with the auto release timer can be displayed using image search (pg. 54). When a picture taken with the auto release timer is displayed, the camera can automatically select faces for red-eye removal (pg. 53), playback zoom (pg. 45), slide shows (pg. 81), cropping (pg. 52), and when **ZOOM (CON-TINUOUS)** is selected for **IMAGE DISP.** (pg. 87).

■ **©** COUPLE TIMER

The camera will start the timer when it detects two portrait subjects close together. Tap ◀ or ▶ to choose how close the subjects must be together before the timer starts. To stop the timer before the picture is taken, press the shutter button halfway.



Choose 1 (\heartsuit ; 2s timer), 2 (\heartsuit \heartsuit ; 2 s timer), or **3** (♥ ♥ ♥; 1 s timer).

The more hearts, the closer the subjects must be together.

The camera will start the timer when it detects the selected number of portrait subjects. To stop or ▶ to choose the number of subjects. To stop or ▶ to choose the number of subjects. To stop or ▶ to choose the number of subjects. To stop or ▶ to choose the number of subjects. the timer before the picture is taken, press the **3** shutter button halfway.



Choose the number of subjects from 1–4 Timer duration is 1 s for single subjects, 2s for groups of two or more.

■ ☼ (10 SEC) / ☼ (2 SEC)

The camera will start the timer ten or two seconds after the shutter button is pressed all the way down.

1 Focus.

Press the shutter button halfway to focus.

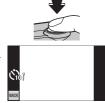


N Caution

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

2 Start the timer.

Press the shutter button the rest of the way down to start the timer. The display in the monitor shows the number of seconds remaining until the shutter is released.



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. 30) is recommended when using the self-timer for group portraits or self-portraits. To use the self-timer with Intelligent Face Detection, turn Intelligent Face Detection on, set the timer as described in Step 1, 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.

Macro Mode (Close-ups)

Use macro mode for close-ups. To turn macro mode on, tap the macro mode icon (①) and tap 🛡 (②).



When macro mode is in effect, the camera focuses on subjects near the center of the frame. Use the zoom control to compose pictures.

← Note

Use of a tripod is recommended to prevent blur caused by camera shake.

Focus Lock

To compose photographs with off-center subjects:

Position the subject in the focus frame.



7 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

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.



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. 38) 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 highcontrast object that is also in the focus frame (for example, a subject photographed against a backdrop of highly contrasting elements).
- Subjects positioned at some distance in front of or behind an object that is also in the focus frame (for example, a subject in a cage, where the both the subject and the bars of the cage are in the focus frame).
- Subjects dominated by regular geometric patterns, such as the windows in an office building.
- Subjects that contain many fine details, such as a field of flowers or other subjects that are small or lack variation in brightness.

Hybrid Autofocus

The camera's hybrid autofocus system ensures fast focus, particularly when a bright, high-contrast subject is positioned in the center of the frame.

[Face Recognition

The camera can store information on the face and personal details (name, relationship, and birth date) of portrait subjects and assign these subjects priority for Intelligent Face Detection (pg. 30) or display their names and other information during playback (pg. 44).

Adding New Faces

Follow the steps below to add faces to the face recognition database.

1 Select REGISTER.

Tap [4] to display face recognition options and tap **REGISTER**.



← Note

To disable face recognition, select **OFF** for **FACE RECOGNITION**.

2 Take a photograph.

With the subject facing the camera, use the guides to frame the face of the person you wish



to add to the face recognition database and take a picture. A confirmation dialog will be displayed; tap **REGISTER** to add the face to the database, **RETRY** to try again (if an error is displayed, tap **BACK** and try again).

? Enter a name, relationship, and birth date. The following options will be displayed:

- NAME: Enter a name as described under "Text Entry," below.
- CATEGORY: Tap the option that describes your relationship to the subject.
- **BIRTHDAY**: Tap the ▲ and ▼ arrows to enter the subject's date of birth, then tap **OK**.

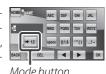
If you zoom in on the face of a person in the face recognition database on their birthday, the camera will display their name and the message "Happy Birthday!"

▲ Tap **OK**.

After confirming that the information you have entered is correct, tap **OK** to return to the face recognition menu.

Text Entry

Tap the text entry mode button until the desired text entry mode (uppercase letters, symbols, or numbers) is displayed.



Mode button

- **7** To enter a character, tap the desired button one or more times (for example, tap the **PQRS** button once to enter "P", three times to enter "R").
- **3** To proceed to the next character, tap ▶. To delete an existing character, tap ◀ or ▶ to highlight the character and tap **DEL**. Names may be up to 14 characters long.
- ▲ Tap OK when text entry is complete.

Viewing and Editing Face Recognition Data

Follow the steps below to view, edit, or delete face recognition data.

Select VIEW & EDIT.

Tap [4] to display face recognition options and tap VIEW & EDIT.



7 Select a face.

The faces in the database will be displayed as shown at right; tap a face to display face recognition data for the selected subject.



3 View or edit face recognition data.

To modify the name, category, or birth date, tap the current entry and edit the data as described in Step 3 on page 41. To retake the photo, tap **REPLACING IMAGE** and shoot a new portrait as described in Step 2 on page 40.

Tap **BACK** to exit when you have finished viewing or editing the face recognition data. To delete face recognition data for the selected subject, tap **m**.

Adding Faces Automatically

To automatically add frequently-photographed subjects to the face recognition database, select **ON** for **AUTO REGISTRATION** in the face recognition menu. If the camera detects a face that has been photographed many times without being added to the database, it will display a message prompting you to create a new face recognition entry. Tap **OK** and enter face recognition data as described in Step 3 on page 41.

← Note

The camera may sometimes fail to recognize new faces automatically. If necessary, faces can be added manually using the **REGISTER** option as described on pages 40–41.

Face Recognition

The camera can store data on up to eight faces. If you attempt to add a ninth face, a confirmation dialog will be displayed; use the **VIEW & EDIT** option to make room for new faces by deleting existing data. **AUTO REGISTRATION** is disabled if there are already data for eight faces.

When Intelligent Face Detection (pg. 30) is on and the frame contains multiple subjects from the face recognition database, the camera displays the name of the subject that will be used to set focus and exposure (the subject shown by the green frame). If no name is entered, the camera will show "---". Subjects identified using face recognition but not used to set focus and exposure are shown by orange frames, other subjects by white frames.

№ Caution

Face recognition may not function as expected if the subject is not facing the camera, if only part of the subject's face is in the frame, or if details of the subject's face or expression differ markedly from those recorded in the database.

Playback Options

To view the most recent picture, tap the ▶ icon in the monitor or press the ▲/▶ button.





Scroll left or right or tap ◀ or ▶ to view additional pictures.

or







Tap **DISP** to hide or view indicators.





🖝 Note

Pictures taken using other cameras are indicated by a **笛** ("gift image") icon.

* Favorites: Rating Pictures

To rate the picture currently displayed in full-frame playback, tap ★. A ratings dialog will be displayed; tap to select a rating of from zero to five stars.



▼ Tips: Favorites

- Ratings can be used for image search (pg. 54).
- Pictures can also be rated in the playback menu (pg. 78).

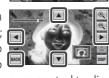
Playback Zoom

To zoom a picture in or out:

Display the picture full screen and tap the picture to display the **Q** icon.



7 Tap the **Q** icon. Zoom controls will be displayed; tap € to zoom in or € to zoom out (you can also select [47] with the camera zoom control to display the zoom slider and use the zoom control to zoom in and out, or tap the display to zoom



scroll the display. Tap **BACK** to exit zoom.

The maximum zoom ratio varies with image size.

in on the selected area). Tap \triangle , ∇ , \triangleleft , or \triangleright to

Intelligent Face Detection/Pet Detection

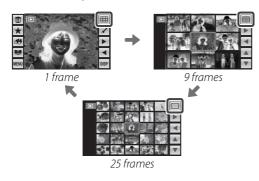
Pictures taken with Intelligent Face Detection (pg. 30) or the auto release timer (pg. 35) are indicated by a 🖳 icon, pictures taken with pet detection (pg.



25) by a 🔁 icon. Tap the icon to zoom in on a subject the camera has detected. You can then use the **Q** icon or zoom control to zoom in and out.

Multi-Frame Playback

To view pictures nine at a time, tap \boxplus in single-frame view. The number of pictures displayed changes each time you tap \boxplus (you can also select \blacksquare with the camera zoom control to increase the number of pictures displayed or \blacksquare to decrease the number of pictures).



In 9- and 25-frame views, scroll left or right or tap **△**, **▼**, **⋖**, or **▶** to view more pictures.



or



Tap a picture to view it full screen.

← Note

When you tap a picture to display it full screen, the folder containing the selected picture becomes the current folder (pg. 79).

Rotating the Camera

When the camera is held in "tall" (portrait) orientation, the highlighted picture appears at the top of the display. Tap \blacktriangle , \blacktriangledown , \blacktriangleleft , or \blacktriangleright to highlight pictures and tap the picture at the top of the display to view it full screen.



The **in** (**Erase**) option in the playback menu can be used to delete still pictures and movies, increasing the amount of space available on the memory card or in internal memory (for information on deleting pictures in single-frame playback, see page 22). **Note that deleted pictures can not be recovered. Copy important pictures to a computer or other storage device before proceeding.**

1 Tap **MENU** during playback to display the playback menu and tap 面 (**Erase**).



2 Tap **FRAME** or **ALL FRAMES** to display options for the selected item (pg. 48).

■ Tips: Deleting Pictures

- When a memory card is inserted, pictures will be deleted from the memory card; otherwise, pictures will be deleted from internal memory.
- Protected pictures can not be deleted. Remove protection from any pictures you wish to delete (pg. 82).

■ FRAME: Deleting Selected Images

Selecting **FRAME** displays a picture selection dialog. Tap ◀ or ▶ to display a picture you wish to delete and tap to display a picture.

A confirmation dialog will be displayed; tap **OK** to delete the current picture and return to the picture-selection



dialog. To continue without deleting the picture, tap **BACK**.

Tap **BACK** to exit when all the desired pictures have been deleted.

■ ALL FRAMES: Deleting All Images in a Folder

Selecting **ALL FRAMES** displays a confirmation dialog. Tap **OK** to delete all unprotected pictures in the current folder (pg. 79).

The dialog shown at right is displayed during deletion. Tap **BACK** to cancel before all pictures have been deleted



(any pictures deleted before **BACK** was selected can not be recovered).

✓ Edit

To rotate pictures, make collages, or create cropped or resized copies of pictures, tap the \mathscr{I} icon in single-frame view.



Tap \triangle or ∇ to scroll through the menu and tap an option to select it.

Option	Description	
■ COLLAGE	Create collages (pg. 50).	
⊘ IMAGE ROTATE	Rotate pictures (pg. 51).	
CROP	Create cropped copies of pictures (pg. 52).	
RESIZE	Create small copies of pictures (pg. 52).	
	Create copies with reduced red eye (pg. 53).	

■ Tip

Edit options can also be accessed from the playback menu (pg. 78).

■ COLLAGE

Selecting **© COLLAGE** displays the dialog shown in Step 1.

1 Tap the desired template for the collage.



2 Tap a frame in the template and then tap a picture at the right side of the display to place it in the selected frame (you can also select a picture first and then tap the target frame). Repeat until the template is filled. If the desired picture is not visible at the right side of the display, tap ♠ or ✔ to view more pictures.



■ Tip

To rotate or crop an image for display in a collage, tap its frame in the collage template. Rotation and crop tools will appear at the edges of the display. To rotate the picture, tap $\subset \mathbb{R}$. The picture is rotated 90° clockwise each time you tap the icon. Tap \bigcirc or \bigcirc to zoom the selected picture in or out and tap \bigcirc , \bigcirc , or \bigcirc to position it in the frame. Tap \bigcirc When the operation is complete. Note that depending on the template, you may not be able to rotate or crop the image.



- **3** Tap **OK** to complete the collage (to exit without creating a collage, tap **BACK**).
- **4** Image size options will be displayed. Tap an option to create a collage at the selected size and save it as a new file.



MAGE ROTATE

This option creates rotated copies of pictures for display in the monitor. It has no effect on pictures displayed on a computer or other device.

- 1 Tap the left and right arrows (◀ and ▶) to select the picture you wish to rotate.
- **2** Tap \mathbf{T} to rotate the picture 90° clockwise, $\mathbf{\Gamma}$ to rotate it 90° counterclockwise.
- **3** Tap **OK** to create the rotated copy (to exit without rotating the picture, tap **BACK**).

The next time the picture is played back, the rotated copy will be displayed.

← Note

The camera may not be able to rotate pictures created with other devices.

CROP

Create cropped copies of pictures.

- 1 Tap the left and right arrows (◀ and ►) to select the picture you wish to crop.
- 2 Tap ② or ③ to zoom in and out (tap the picture to re-display the zoom icons as needed, or tap the display to zoom in on a selected area) and tap △, ▼, ◄, or ▶ to scroll the picture until the desired portion is displayed. Higher zoom ratios produce smaller copies.
- **3** Tap **OK** to save the cropped copy to a separate file, **BACK** to exit without cropping.

← Note

Pictures taken with other cameras can not be cropped.

RESIZE

Create small copies of pictures.

- 1 Tap the left and right arrows (◀ and ▶) to select the picture you wish to resize.
- **2** Tap an icon to copy the picture at the selected size (to exit without creating a small copy, tap **BACK**). The sizes available vary with the size of the original image:

Size of original image	Available sizes
	M, S, and 640
M	S and 640
S	640

™ RED EYE REMOVAL

This option is used with pictures taken using Intelligent Face Detection to create copies that have been processed to remove red eye.

- **1** Tap the left and right arrows (◀ and ▶) to select a picture.
- 2 Tap **OK**. The message shown below at left will be displayed while the camera analyses the image (to exit without creating a copy, tap **STOP**); if red-eye is detected, the message shown below at right will be displayed while the camera processes the image 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.

Image Search

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

1 Tap the **#** icon in single-frame view.



2 Choose from the following options:

Option	Description	
BY DATE	Find all pictures taken on a selected	
DIVALE	date.	
	Search for pictures containing a se-	
BY FACE	lected person from the face recogni-	
	tion database.	
BY ★ FAVORITES	Find all pictures with a specified rat-	
DI X FAVORILES	ing (pg. 44).	
BY SCENE	Find all pictures that match a selected	
BY SCENE	scene.	
BY TYPE OF DATA	Find all still pictures or all movies.	
BY UPLOAD MARK	Find all pictures selected for upload to	
DI UPLUAD MAKK	a specified destination (pg. 83).	

■ Tip

Searches can also be performed from the playback menu (pg. 78).

◆ Note: "BACK"

Tap **BACK** at any time to return to the previous display.

Select search conditions to view all matching pictures in the current folder (pg. 79; tap ♠ or ♥ to view ad-



ditional search conditions). Page through pictures by scrolling the thumbnails left or right.

4 The large preview to the left of the thumbnails is the current picture. To view the current picture full frame, tap the preview or tap **OK**.





Tap **O**n to protect the current picture. Tap **I** or **▶** to view other pictures or tap **□** to view the search results in a slide show.

5 To exit, tap **OK** when the current picture is shown full frame. Tap **OK** to end the search, **BACK** to return to Step 4.



Image Search: Deleting Pictures

To delete pictures, tap the **time** icon when the current picture is shown full frame (pg. 54). Tap **FRAME** to delete the current picture, **ALL FRAMES** to delete all pictures that match the current search conditions (to exit without deleting pictures, tap **BACK**) (pg. 48).

Image Search: Folder Management

To copy or move the pictures, tap the icon when the current picture is shown full frame (pg. 54) and follow the steps below.

- 1 Tap ◀ or ▶ to display the desired picture.
- **2** Tap the destination folder (pg. 79).



3 Tap **MOVE** or **COPY**.

Caution

Copying ends when the destination is full.

Photobook Assist

Create books from your favorite photos.

Creating a Photobook

1 Tap the ■ icon in singleframe view.



■ Tip

Photobook assist can also be accessed from the playback menu (pg. 78).

- 7 Tap NEW BOOK.
- Tap one of the following to choose pictures for the new book.
 - **SELECT FROM ALL**: Choose from all pictures in the current folder.
 - **SELECT BY IMAGE SEARCH**: Choose from pictures matching selected search conditions (pg. 54).

← Note

Neither photographs **40** or smaller nor movies can be selected for photobooks.

4 Scroll through the images and tap ♥ to select or deselect the current image for inclusion in the book. To display the current image on the cover, tap ■.

← Note

The first picture selected automatically becomes the cover image. Tap

to select a different picture for the cover.

- **5** Tap **MENU** to exit when the book is complete.
- **6** Tap **COMPLETE PHOTO-BOOK** to add the new book to the list in the photobook assist menu.



← Note

Tap **SELECT ALL** to select all images in the current folder or that match the current search conditions.

**** Cautions

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

Viewing Photobooks

To view a book, tap it in the photobook assist menu and then tap \blacktriangleleft and \blacktriangleright to scroll through the pictures.

Editing and Deleting Photobooks

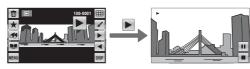
- **1** Display the photobook and tap **MENU**.
- **2** Choose from the following options:
 - **EDIT**: Edit the book as described in "Creating a Photobook" on page 56.
 - **ERASE**: Delete the current photobook.
- **3** Follow the on-screen instructions.

Photobooks

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

Viewing Panoramas

To view a panorama, display in single-frame view and tap ...



Horizontal panoramas are displayed from left to right, vertical panoramas from bottom to top. The following operations can be performed during playback:

Operation	Description
End playback	Tap □ to end playback.
Pause playback	Tap Ⅲ to pause playback. Tap ▶ to resume.

Recording Movies

Shoot short movies in Motion JPEG format. Sound is recorded via the built in microphone; do not cover the microphone during the recording.

1 Tap the shooting mode icon to view a menu of shooting modes and tap ♣ (Movie). The camera will enter movie mode.

∽ mode icon



Tap MENU and select a frame size from the ■ QUALITY menu. Tap ■ (1280×720 pixels) to



film in HD or \bigcirc (640×480 pixels) for longer movies.

If desired, you can also turn **DUAL IS MODE** (pg. 18), **SILENT MODE** (pg. 21), and **PACE DETECTION** (pg. 30) on or off before shooting movies. Red-eye removal is not available

3 Frame the scene using the zoom control.





Zoom indicator

Zoom can not be adjusted once recording begins.

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



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

← Notes

- Focus is fixed at the position selected when recording begins, but exposure and white balance are adjusted automatically throughout recording.
 The color and brightness of the image may vary from that displayed before recording begins.
- Sounds made by the camera may be recorded with the movie.

■ Tip

If Intelligent Face Detection is on, the camera will automatically detect, focus on, and set exposure for human faces.

5 Press the shutter button all the way down to end recording. Recording ends automatically when the movie reaches maximum length or memory is full.



■ Tip

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

**** Cautions

- The indicator lamp lights while movies are being recorded. Do not remove the memory card during shooting or while the indicator lamp is lit. Failure to observe this precaution could prevent the movie from being played back.
- Vertical or horizontal streaks may appear in movies containing very bright subjects. This is normal and does not indicate a malfunction.

▶ Viewing Movies

7 Tap ▶ to start playback.

To view a movie, display it in playback mode and follow the steps below.

1 Tap the movie to display it full screen.



Progress bar

Progress is shown in the monitor during playback. The following operations can be performed while playback is in progress:

Operation	Description
End playback	Tap ■ to end playback.
Pause playback	Tan III to nause playback. Tan 🔼 to resume

Playback ends automatically when the entire movie has been played.

**** Caution

Do not cover the speaker during playback.

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.



Connecting the Camera

1 Connect the supplied USB cable as shown and turn the printer on.



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



Printing Selected Pictures

- 1 Tap ◀ or ▶ to select a picture you wish to print.
- **2** Tap + or to choose the number of copies (up to 99).
- 3 Repeat steps 1–2 to select | additional pictures. Tap PRINT to display a confirmation dialog when settings are complete.



← Note

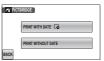
If no pictures are selected when you tap **PRINT**, the camera will print one copy of the current picture.

4 Tap **OK** to start printing. To end printing before all pictures have printed, tap **CANCEL**.

▼ Tip: Printing the Date of Recording

To print the date of recording on pictures, tap **MENU** in steps 1–2 to display the PictBridge menu (see below) and select **PRINT WITH DATE** . To ensure that the date is correct, set the camera clock before taking pictures.

- **PRINT WITH DATE :** *Print date of recording on pictures.*
- **PRINT WITHOUT DATE**: Print pictures without date.



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 64–65, those for the Macintosh on pages 66–67.

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		
	 1024×768 pixels or more with 24-bit color or better A graphics processing unit (GPU) that supports DirectX 7 or later 		
	• 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.

- Start the computer. Log in to an account with administrator privileges before proceeding.
- **Representations** 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**.

- ⚠ If prompted to install Windows Media Player, DirectX, or .NET Framework, follow the on-screen instructions to complete installation.
- Remove the installer CD from the CD-ROM drive when installation is complete. Store the installation 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** Remove the installer CD from the CD-ROM drive when installation is complete. Store the installer

Installation is now complete. Proceed to "Connecting the Camera" on page 68.

Macintosh: Installing FinePixViewer

1 Confirm that the computer meets the following system requirements:

CPU	PowerPC or Intel
ns ns	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
	Built-in USB port recommended. Operation is not guaranteed with other USB ports.
Other	Internet connection (broadband recommended) required to use auto update feature and when perform-
	ing such tasks as sharing pictures on-line or via e-mail.

- **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 **Open**. Quit Image Capture.

Installation is now complete. Proceed to "Connecting the Camera" on page 68.

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). If no card is inserted, pictures will be copied from internal memory.

← 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 internal memory or the memory card. Charge the battery 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 internal memory or 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**.

The Shooting Menu

The shooting menu is used to adjust settings for a wide range of shooting conditions.

Using the Shooting Menu

- **1** To view the shooting menu, tap the **MENU** icon when the camera is in shooting mode.
- **2** Tap the icon for the desired menu item.
- **3** Tap the desired option. In some menus, you may need to tap ▲ or ▼ to view additional options.

Shooting Menu Options

Menu item	Description	Options	Default
EXP. COMPENSATION	Adjust exposure for bright, dark, or high-contrast scenes (pg. 72).	−2 EV to +2 EV in increments of 1/3 EV	±0
150 ISO	Adjust ISO sensitivity (pg. 73). Choose higher values when the subject is poorly lit.	AUTO/AUTO (1600)/ AUTO (800)/AUTO (400)/3200/ 1600/800/400/200/100	AUTO
● IMAGE SIZE	Choose image size and aspect ratio (pg. 74).	4:3/ 16:9/ M 4:3/ M 16:9/ S 4:3/ S 16:9	4:3
Ⅲ IMAGE QUALITY	Choose image quality (pg. 75).	FINE/NORMAL	NORMAL
DROG DYNAMIC RANGE	Enhance details in highlights for natural contrast (pg. 75).	AUTO / R100 / R200 / R400	AUTO
FILM SIMULATION	Simulate the effects of different types of film (pg. 75).	STOP/OF/BIP/STOP	STO.
WB WHITE BALANCE	Adjust color for different light sources (pg. 76).	AUTO/☀/叁/∺/////////////////////////////////	AUTO
CONTINUOUS	Shoot a series of pictures (pg. 76).	ON/OFF	OFF
FACE DETECTION	Choose whether the camera automatically detects and sets focus and exposure for human portrait subjects. Can be combined with red-eye removal (pg. 30).		_
■ AF MODE	Control how the camera focuses (pg. 77).	⊕/+	•
DUAL IS MODE	Reduce blur (pg. 18).	《曲》ON / OFF	《 幽 》ON
FRAMING GUIDELINE	Display best framing guides to help compose pictures (pg. 19).	ON/OFF	OFF
SILENT MODE	Select ON in situations in which camera sounds or lights may be unwelcome (pg. 21).	ON/OFF	OFF
SET-UP	Perform basic camera setup such as choosing a language and setting the time and date (pg. 85).	_	_

EXP. COMPENSATION

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

An exposure indicator appears at the right side of the display; tap ▲ to increase exposure, **▼** to reduce.



Exposure indicator

Tap \triangle to increase exposure









Tap ∇ to reduce exposure

Tap **OK** to exit when adjustments are complete.

Choosing an Exposure Compensation Value

- Backlit subjects: choose values from $+\frac{2}{3}$ FV to $+\frac{1}{3}$ FV (for an explanation of the term "EV". see the Glossary on page 109)
- · Highly reflective subjects or very bright scenes (e.g., snowfields): +1 FV



- 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): -¾ EV

At settings other than ± 0 , a \square icon is displayed in the monitor. Exposure compensation is not reset when the camera is turned off; to restore normal exposure control, choose a value of ± 0 .

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** is selected, the camera will adjust sensitivity automatically in response to shooting conditions. Settings other than **AUTO** are shown by an icon in the monitor.

ISO sensitivity is not reset when the camera is turned off.

I 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
4:3	34×25 cm (13.5×10 in.)
16:9	34×19 cm (13.5×7.5 in.)
M 4:3	24×18 cm (9.5×7 in.)
₩ 16:9	24×13 cm (9.5×5.5 in.)
\$ 4:3	17×13 cm (7×5 in.)
§ 16:9	16×9 cm (6.5×3.5 in.)

The number of pictures that can be taken at each setting is displayed to the right of the option in the menu.

← Note

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

Aspect Ratio

Pictures with an aspect ratio of 4:3 have the same proportions as the central display area of the camera monitor, while an aspect ratio of 16:9 is suited to display on High Definition (HD) devices.





4::

MAGE 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.

DYNAMIC RANGE

Control contrast. Higher values are recommended for scenes that include both sunlight and deep shade or for increased contrast with such subjects as sunlight on water, brightly-lit autumn leaves, portraits taken against a blue sky, and white objects or people wearing white; note, however, that mottling may appear in pictures taken at higher values. If **AUTO** is selected, the camera will automatically select values between 100% and 400% in response to shooting conditions.

FILM SIMULATION

Simulate the effects of different types of film, including sepia and black-and-white. Tap \blacktriangle or \blacktriangledown to highlight an option and tap OK to select.

Option	Description		
PROVIA/	Standard color reproduction. Suited to		
STANDARD	a wide range of subjects, from portraits		
JIMUMNU	to landscapes.		
Ŭ₩ Velvia/	A high-contrast palette of saturated		
VIVID	colors, suited to nature photographs.		
Ē ₽ B&W	Take pictures in black and white.		
SEPIA	Take pictures in sepia.		

WI WHITE BALANCE

For natural colors, choose a setting that matches the light source (for an explanation of "white balance," see the Glossary on page 109). Tap ▲ or ▼ to highlight an option and tap **OK** to select.

Option	Displayed in
AUTO	White balance adjusted automatically.
*	For subjects in direct sunlight.
*	For subjects in the shade.
Ħ	Use under "daylight" fluorescent lights.
羚	Use under "warm white" fluorescent lights.
∺	Use under "cool white" fluorescent lights.
-Д-	Use under incandescent lighting.

If **AUTO** does not produce the desired results (for example, when taking close-ups), choose the option that matches the light source.

- Turn the flash off (pg. 32) to take pictures that reflect the color of the original light source.
- Results vary with shooting conditions. Play pictures back after shooting to check colors in the monitor.

CONTINUOUS

Select **ON** to capture motion in a series of pictures. The camera takes up to five pictures while the shutter button is pressed.

N Caution

The flash turns off when **CONTINUOUS** is on.

AF MODE

This option controls how the camera focuses when Intelligent Face Detection is off (pg. 30). Regardless of the option selected, the camera will focus on the subject in the center of the monitor when macro mode is on (pg. 37).

■ AF MODE: 🗉 CENTER

The camera focuses on the subject in the center of the monitor. This option can be used with focus lock.

■ AF MODE: + MULTI

When the shutter button is pressed halfway, the camera detects high-contrast subjects near the center of the monitor and selects the focus area automatically.



Focus frame

The Playback Menu

The playback menu is used to manage the pictures in internal memory or on the memory card.

Using the Playback Menu

- **1** To view the playback menu, tap the **MENU** icon during playback.
- **7** Tap the icon for the desired menu item.
- **3** Tap the desired option. In some menus, you may need to tap ▲ or ▼ to view additional options.

Playback Menu Options

The following options are available:

Option	Description
□ PHOTOBOOK ASSIST	Create books from your favorite photos (pg. 56).
FAVORITES	Rate pictures (pg. 44).
PICTURE COMPARE	Display two pictures side-by-side (pg. 79).
TOLDER MANAGEMENT	Organize pictures into folders (pg. 79).
™ IMAGE SEARCH	Search for pictures by date, subject, scene, or file type (pg. 54).
∡ EDIT	Rotate pictures, make collages, or create cropped or resized copies of pictures (pg. 49).
■ SLIDE SHOW	View pictures in a slide show (pg. 81).
on PROTECT	Protect pictures from accidental deletion (pg. 82).
ERASE FACE RECOG.	Remove face recognition data from the current picture (pg. 83).
m ERASE	Delete all or selected pictures (pg. 47).
MARK FOR UPLOAD TO	Select pictures for upload to YouTube or Facebook (pg. 83).
SILENT MODE	Use in situations in which camera sounds or lights may be unwelcome (pg. 21).
SEE SET-UP	Perform basic camera setup (pg. 85).

FI PICTURE COMPARE

Display two pictures side by side. Tap a frame to highlight it and scroll left or right or tap ◀ or ▶ to choose the picture shown in the frame. To zoon



picture shown in the frame. To zoom in on the highlighted picture, tap $\bf Q$, or tap $\bf m$ to delete the highlighted picture.

To exit to single-frame playback, tap **BACK**.

FOLDER MANAGEMENT

Selecting this option displays a folder selection dialog. Folders are identified by icons at the bottom of the display:



Folder	Default folder name
■ Internal memory	_
My My pictures	110_FUJI
Theme (1)	101FETC1
Theme (2)	102FETC2
⊶ Private	100FPRIV

To choose a folder for playback, tap the icon at the bottom of the display. Tap ♠ or ✔ to view additional pictures in the current folder, or tap **OK** to return to single-frame playback. Only pictures in the selected folder will be displayed; to view pictures in all folders except ♠ and ♠, select ♠ in the folder management dialog.

← Note

Folder management is only available when a memory card is inserted in the camera. Folders on memory cards from other cameras may not be organized as shown above.

The 🔤 Folder

The folder is password protected. Tapping displays a password entry dialog; enter a four-digit password by tapping the ↑ or ▼ icons and tap



OK. In all other respects the significant folder functions as a normal folder.

The password can be freely changed using the **PASSWORD** option in the setup menu (pg. 86). Note that password protection applies on the camera only; files are not encrypted and can be viewed normally on other devices.

■ Moving and Copying Pictures

To move or copy a picture between folders:

1 Select the folder containing the desired picture.



2 Tap the picture.



3 Tap the destination folder.



4 Tap **MOVE** or **COPY**, or tap **BACK** to exit without moving or copying the picture.



N Caution

Copying ends when the destination is full.

同 SLIDE SHOW

View pictures in an automated slide show. After choosing the background music and display format, tap F HORIZONTAL to view the slide show in "wide" (landscape) orientation or VERTICAL to view the slide show in "tall" (portrait) orientation. When a movie is displayed, movie playback will begin automatically, and the slide show will continue when the movie ends.

Option	Displayed in
NORMAL	Pictures are displayed one at a time. Select FADE-IN for fade transitions between frames.
FADE-IN	rectares are displayed one at a time. Select TABL -IN for fade transitions between frames.
NORMAL 🖭	As above, except that camera automatically zooms in on faces selected with Intelligent Face Detec-
FADE-IN 🟩	tion (pg. 30), the auto release timer (pg. 35), or pet detection (pg. 25).
MULTIPLE	Display several pictures at once.
SELECT BGM	Choose background music.

← Notes

- The camera will not turn off automatically while a slide show is in progress.
- To exit the slide show, tap the display and then tap **STOP**.

□ PROTECT

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

■ FRAME

Protect selected pictures.

1 Tap **◄** or **▶** to select the desired picture.





Picture not protected

Protected picture

- **2** Tap **a** to protect the picture. If the picture is already protected, tapping **a** will remove protection from the image.
- **3** Repeat steps 1–2 to protect additional images. Tap **BACK** to exit when the operation is complete.

■ SET ALL

Tap **OK** to protect all pictures, or tap **BACK** to exit without changing picture status.



■ RESET ALL

Tap **OK** to remove protection from all pictures, or tap **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. Tap **BACK** to exit before the operation is complete.

N Caution

Protected pictures will be deleted when the memory card or internal memory is formatted (pg. 90).

PROPERTY OF THE PROPERTY OF T

Remove face recognition links from the current image. 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, tap **OK** to remove the link to the face recognition database.

← Note

Face recognition links can not be removed from copies with a size of $\[\mathbf{A} \]$.

MARK FOR UPLOAD TO

Select pictures for upload to YouTube or Facebook using MyFinePix Studio (Windows only).

■ Selecting Pictures for Upload

- **1** Tap **YouTube** to select movies for upload to YouTube, **FACEBOOK** to select photos and movies for upload to Facebook.
- 2 Tap ◀ or ▶ to display pictures and tap OK to select or deselect. Tap BACK to exit when all the desired pictures are selected.





Not selected for upload

Selected for upload

- Only movies can be selected for upload to YouTube.
- During playback, selected pictures are indicated by **SouTube** or **SFACEBOOK** icons.

■ RESET ALL: Deselecting All Pictures

To deselect all pictures, tap

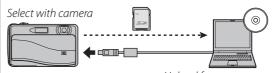
RESET ALL and tap OK, or
tap BACK to exit without
changing picture status.



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

■ Uploading Pictures (Windows Only)

Selected pictures can be uploaded using the **YouTube/Facebook Upload** option in MyFinePix Studio (Windows only).



Upload from computer

For information on installing MyFinePix Studio and connecting the camera to a computer, see "Viewing Pictures on a Computer" (pg. 64).

The Setup Menu

Using the Setup Menu

- Tap the **MENU** icon to display the menu for the current mode.
- **2** Tap SET (Set-up).
- **3** Tap \triangle or ∇ to display the desired menu item and tap to select.
- 4 Tap the desired option.

Setup Menu Options

Menu item	Description	Options	Default
☑ IMAGE DISP.	Choose how long pictures are displayed after shooting (pg. 87).	3 SEC / 1.5 SEC / ZOOM/OFF	1.5 SEC
TRAME NO.	Choose how files are named (pg. 88).	CONT./RENEW	CONT.
DUAL IS MODE	Choose whether image stabilization is performed at all times when the camera is in shooting mode (CONTINUOUS), or only when the shutter button is pressed halfway (SHOOTING ONLY) (pg. 18).		((仙))) 1
■ ILLUMINATION	If ON is selected, the illuminator will light when the camera is turned on. It will also light after a picture is taken to let the subjects know that shooting is complete.		ON
O DIGITAL ZOOM	Enable or disable digital zoom (pg. 89).	ON/OFF	OFF
DATE/TIME	Set the camera clock (pg. 15).	_	
▼ VOLUME	Adjust volume for the shutter, controls, and playback (pg. 89).	_	
▶ SOUND	Choose shutter, start-up, and control sounds (pg. 89).	_	
LCD BRIGHTNESS	Control the brightness of the monitor (pg. 89).	_	0
FORMAT	Format internal memory or memory cards (pg. 90).	_	

Menu item	Description	Options	Default
® 言語/LANG.	Choose a language (pg. 15).	See page 112	ENGLISH
AUTO POWER OFF	Choose the auto power off delay (pg. 91).	5 MIN/2 MIN/OFF	2 MIN
TIME DIFFERENCE	Set the clock to local time (pg. 92).	쇼 / +	企
AUTOROTATE PB	Choose ON to automatically rotate "tall" (portrait) orientation pictures during playback.	ON/OFF	ON
BACKGROUND COLOR	Choose a color scheme.	BLACK/GOLD/RED/PINK	
1 POWER MANAGEMENT	Optimize camera performance for increased battery life, quick focus, or display quality (pg. 93).	1	© ∄
C RESET	Reset all settings except © DATE/TIME and TIME DIFFERENCE to default values. A confirmation dialog will be displayed, tap OK to reset.	_	_
m PASSWORD	Protect the 🔤 folder with a password (pg. 80).	_	_
E CALIBRATION	Calibrate the touch panel (pg. 94).	_	_
VER VERSION INFO	View the current camera firmware version.	_	

☑ 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 you tap **OK** (**ZOOM** (**CONTINUOUS**)). If **ZOOM** (**CONTINUOUS**) is selected, photos can be zoomed in to check focus and other fine details (pg. 45); tap ▲, ▼, ◄, or ► to scroll the display (note that zoom is disabled in ♠\$ mode and when **ON** is selected for **CONTINUOUS** as described on page 76).

Intelligent Face Detection/Pet Detection

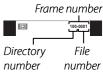
When **ZOOM (CONTINUOUS)** is selected, the camera will automatically zoom in on faces of portrait subjects detected with Intelligent Face Detection or the auto release timer or of animals detected with **DOG** or **CAT**. If the camera has detected more than one such subject, you can tap **(Line of the camera Detection)** or **(Line of the camera Detection)** or **(Line of the camera Detection)** to scroll from face to face.

← Note

The colors displayed at settings of **3 SEC** and **1.5 SEC** may differ from those in the final picture.

I 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 or internal memory is formatted.

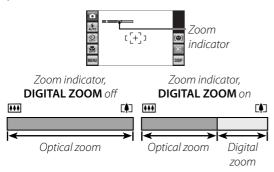


- **CONTINUOUS**: Numbering continues from the last file number used or the first available file number, whichever is higher. Choose this option to reduce the number of pictures with duplicate file names.
- RENEW: Numbering is reset to 0001 after formatting or when a new memory card is inserted.

- If the frame number reaches 999-9999, the shutter release will be disabled (pg. 107).
- Selecting RESET (pg. 86) sets TRAME NO. to CONTINUOUS but does not reset the file number.
- Frame numbers for pictures taken with other cameras may differ.

Q DIGITAL ZOOM

If **ON** is selected, selecting **(P)** 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 **(III)**.



**** Caution

Digital zoom produces lower quality images than optical zoom

TO VOLUME

Adjust volume for the shutter, controls, and playback. Tap an option and choose a volume, either by selecting an option in a menu (shutter and control volume) or by tapping ▲ and ▼ to choose a setting between **OFF** and 10 (playback volume). Tap **OK** when settings are complete.

▶ SOUND

Choose the sounds used for the shutter, at startup, and for camera controls. Tap an option and then tap an icon to choose the sound. Tap **OK** when settings are complete.

⋈ LCD BRIGHTNESS

Tap ▲ or ▼ to adjust monitor brightness. Tap **OK** when settings are complete.

■ FORMAT

Format internal memory or a memory card. If a memory card is inserted in the camera, this option will format the memory card. If no memory card is inserted, this option will format internal memory. Tap **OK** to begin formatting. To exit without formatting, tap **BACK**.

N Cautions

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

FIT 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. 68) or when a slide show is in progress (pg. 81), and that even if **OFF** is selected the camera will turn off automatically if no operations are performed for five minutes in so r movie mode or when an option other than **POWER SAVE** is selected for **POWER MANAGEMENT**, an option other than **OFF** is selected for **POWER DETECTION**, or **PORTRAIT ENHANCER**, **DOG**, or **CAT** is selected in **SP** mode.

▼ Tip: Reactivating the Camera

To reactivate the camera after it has turned off automatically, close and reopen the lens cover or press the **\tilde{\to}/\tilde{\to}** button for about a second (pg. 14).

TIME DIFFERENCE

When traveling, 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 Tap ← LOCAL.
 - 1.2 Tap the +, -, ▲, and ▼ icons to choose the time difference. The minimum increment is 15 minutes. Tap OK when settings are complete.
- **2** Switch between local time and your home time zone.

To set the camera clock to local time, tap ← LOCAL. To set the clock to the time in your home time zone, tap ♠ 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.

MI POWER MANAGEMENT

Optimize camera performance for increased battery life, quick focus response, or improved display quality. The following options are available:

- a POWER SAVE: Reduces monitor refresh rate. If no operations are performed for 10 s, the monitor will dim to save power. Select this option to save power or to prevent vertical streaks from appearing in photos when the camera is used for extended periods at high temperatures.
- **QUICK AF**: Reduces focusing time, ensuring a quick shutter response.
- CLEAR DISPLAY: Choose this option for a brighter, higher quality display.

- **POWER SAVE** does not take effect when Intelligent Face Detection is on.
- Settings other than **POWER SAVE** increase the drain on the battery; pay attention to battery level. The monitor will dim automatically if no operations are performed for 30 s. If **OFF** is selected for **AUTO POWER OFF** (pg. 91), the camera will turn off automatically if no operations are performed for five minutes.

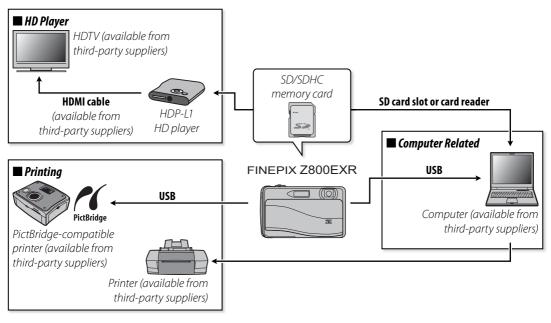
EXI CALIBRATION

Calibrate the touch panel. Tap the "+" symbols in the order shown below at left (if you tap too far from the correct symbol, an error will be displayed; tap the correct symbol again). The message shown below at right will be displayed when calibration is complete. Tap **OK** to exit.



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.

Rechargeable Li-ion batteries	NP-45/NP-45A	In addition to the supplied NP-45A battery, the camera can be used with NP-45 slimline batteries (available separately).	
Battery chargers	BC-45W	Replacement battery chargers can be purchased as required. The BC-45W charges an NP-45A or NP-45 battery in about 120 minutes at +23 °C (+73 °F).	
AC power adapters	AC-5VX (requires CP-45 DC coupler)	Use for extended playback or when copying pictures to a computer (shape of adapter and plug vary with region of sale).	
DC couplers	CP-45	Connect the AC-5VX to the camera.	
HD players	HDP-L1 (requires HDMI cable, available from third-party suppliers)	Connect to a H igh D efinition (HD) TV to view photographs and movies from SD memory cards.	

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.

roubleshooting

Troubleshooting

Power and Battery

rowei allu battery				
	Problem	Possible cause	Solution	Page
	The server does	The battery is exhausted.	Charge the battery or insert a fully-charged spare battery.	8, 9
	not turn on	The battery is not in the correct orientation.	Reinsert the battery in the correct orientation.	9
	mot turn on.	The AC adapter and DC coupler are not connected properly.	Make sure that the AC adapter and DC coupler are properly connected.	_
		The battery is cold.	Warm the battery by placing it in a pocket or other warm place and reinsert it in the camera immediately before taking a picture.	vi, 9
Power	The battery runs	There is dirt on the battery terminals.	Clean the terminals with a soft, dry cloth.	_
supply	down quickly.	is selected for shooting mode.	Select mm mode to reduce the drain on the battery.	23
		The battery has been charged many times.	The battery has reached the end of its charging life. Purchase a new battery.	_
	The camera turns off sud- denly.	The battery is exhausted.	Charge the battery or insert a fully-charged spare battery.	8, 9
		The AC adapter or DC coupler has been disconnected.	Make sure that the AC adapter and DC coupler are properly connected.	_
	Charging does	The battery is not correctly inserted.	Reinsert the battery in the charger.	8
	not start.	The battery is not in the correct orientation.	Reinsert the battery in the correct orientation.	8
Battery	Charging is slow.	The temperature is low.	Charge the battery at room temperature.	vi
charger	The charging	There is dirt on the battery terminals.	Clean the terminals with a soft, dry cloth.	_
	lamp lights, but the battery does not charge.	The battery has been charged many times.	The battery has reached the end of its charging life. Purchase a new battery. If the battery still fails to charge, contact your FUJIFILM dealer.	_

Menus and Displays

Problem	Possible cause	Solution	Page
Menus and displays are	English is not selected for the 言語/LANG.	Salact ENGLISH	15, 86
not in English.	option in the setup menu.	Select ENGLISH.	13,60

Shooting

Jiloutilly		Descible source	Caluation	D
	Problem	Possible cause	Solution	Page
		Memory is full.	Insert a new memory card or delete pictures.	12, 47
	No minture in	Memory is not formatted.	Format the memory card or internal memory.	90
	No picture is taken when the	There is dirt on the memory card contacts.	Clean the contacts with a soft, dry cloth.	
	shutter button is	The memory card is damaged.	Insert a new memory card.	12
Taking pictures	pressed.	The battery is exhausted.	Charge the battery or insert a fully-charged spare battery.	8, 9
		The camera has turned off automatically.	Turn the camera on.	14
	The monitor goes dark after shooting.	The flash has fired.	The monitor may darken while the flash charges. Wait for the flash to charge.	32
	The camera does not focus.	The subject is close to the camera.	Select macro mode.	37
Focus		The subject is far away from the camera.	Cancel macro mode.	37
		The subject is not suited to autofocus.	Use focus lock.	38
EXR	Pictures are not the same size.	is selected for SIMAGE SIZE.	If m is selected for MAGE SIZE in MAGE, the camera will optimize not only sensitivity and other settings, but also image size. To record all pictures at the same size, choose another option for MAGE SIZE.	
Panoramas	Cannot shoot.	The indicator lamp glows orange: pictures are being recorded.	Wait until the indicator lamp turns off.	20

	Problem	Possible cause	Solution	Page
	Face detection	Intelligent Face Detection is not available in	2002000	
	not available.	the current shooting mode.	Choose a different shooting mode.	23
		The subject's face is obscured by sunglass-	Remove the obstructions.	
		es, a hat, long hair, or other objects.		
Intelligent	No face is de-	' '	Change the composition so that the subject's	30
Face	tected.	area of the frame.	face occupies a larger area of the frame.	
Detection	lected.	The subject's head is tilted or horizontal.	Ask the subject to hold their head straight.	
		The camera is tilted.	Hold the camera straight.	19
		The subject's face is poorly lit.	Shoot in bright light.	_
	Wrong subject	The selected subject is closer to the center	Recompose the picture or turn face detection	30, 38
	selected.	of the frame than the main subject.	off and frame the picture using focus lock.	30, 36
	The flash does not fire.	The flash is not available in the current shooting mode.	Choose a different shooting mode.	23
		The battery is exhausted.	Charge the battery or insert a fully-charged spare battery.	8, 9
		The camera is in continuous mode.	Select OFF for (2) CONTINUOUS .	76
		The camera is in silent mode.	Turn silent mode off.	21
Flash		The flash is off (3).	Choose a different flash mode.	32
	Some flash	The desired flash mode is not available in	Choose a different shooting mode.	23
	modes are not	the current shooting mode.	Choose a different shooting mode.	23
	available.	The camera is in silent mode.	Turn silent mode off.	21
	The flash does not fully light the	The subject is not in range of the flash.	Position the subject in range of the flash.	112
	subject.	The flash window is obstructed.	Hold the camera correctly.	19

	Problem	Possible cause	Solution	Page
Close-ups	Macro mode is not available.	Macro mode is not available in the current shooting mode.	Choose a different shooting mode.	23
		The lens is dirty.	Clean the lens.	97
	Pictures are	The lens is blocked.	Keep objects away from the lens.	19
	blurred.	!AF is displayed during shooting and the focus frame is displayed in red.	Check focus before shooting.	20, 38, 105
		! is displayed during shooting.	Use the flash or a tripod.	32
	Pictures are mottled.	Slow shutter speed selected at high temperatures.	This is normal and does not indicate a mal- function.	_
Problem images	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.	14
	"Smear" in the form of vertical purple or white lines appears in the display.	The camera has been used continuously at high ambient temperatures.	Vertical purple or white lines may appear when a very bright object is in the frame; this phenomenon is common to all CCD image sensors and does not indicate a malfunction.	
		The sun or another very bright object appears in the frame.	The second secon	
Recording	Pictures are not recorded.	Power was interrupted during shooting.	Turn the camera off before connecting the AC adapter/DC coupler. Leaving the camera on can result in corrupted files or damage to the memory card or internal memory.	1/1

Playback

	Problem	Possible cause	Solution	Page
	Pictures are grainy.	The pictures were taken with a different make or model of camera.	_	
Pictures	Playback zoom unavailable.	The pictures have an image size of 100 or were created with a different make or model of camera.	_	_
	No sound in movie playback.	Playback volume is too low.	Adjust playback volume.	89
Audio		The microphone was obstructed.	Hold the camera correctly during recording.	59
		The speaker is obstructed.	Hold the camera correctly during playback.	61
Deletion	Selected pictures are not deleted.	Some of the pictures selected for deletion are protected.	Remove protection using the device with which it was originally applied.	82

Connections

	Problem	Possible cause	Solution	Page
C	The computer	Th		
Computer	does not recog- nize the camera.	The camera is not properly connected.	Connect the camera correctly.	68
	Pictures can not	The camera is not properly connected.	Connect the camera correctly.	62
	be printed.	The printer is off.	Turn the printer on.	_
PictBridge	Only one copy is printed.		Some printers may only print one copy or may	
	The date is not printed.	The printer is not PictBridge-compatible.	not print the date.	_
AC adapter	Help text is	The camera was turned on while being	Follow the on-screen instructions to enter demo	
DC coupler	displayed.	powered by an AC adapter.	mode or press the shutter button to cancel.	

Miscellaneous

Problem	Possible cause	Solution	Page
The camera is unrespon-	Temporary camera malfunction.	Remove and reinsert the battery or disconnect and reconnect the AC adapter/DC coupler.	9–10
sive.	The battery is exhausted.	Charge the battery or insert a fully-charged spare battery.	8, 9
The camera does not function as expected.	Temporary camera malfunction.	Remove and reinsert the battery or disconnect and reconnect the AC adapter/DC coupler. If the problem persists, contact your FUJIFILM dealer.	9–10
No sound.	The camera is in silent mode.	Turn silent mode off.	21
The camera does not	The touch panel requires calibration.	Calibrate the touch panel.	94
respond to the touch panel, or does not perform the expected action when the touch panel is used.	The hand that is holding the camera is touching the panel.	Adjust your grip so that the hand that is holding the camera is not touching the panel.	_

Warning Messages and Displays

The following warnings are displayed in the monitor:

Warning	Description	Solution
□ (red)	Low battery.	Charge the battery or insert a fully-charged spare bat-
□ (blinks red)	Battery exhausted.	tery.
ļo"	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. 38). If the subject is poorly lit, try focusing at a distance of about 2 m (6 ft. 7 in.). Use macro mode to focus when taking close-ups.
Aperture or shutter speed displayed 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.
LENS COVER	Attempted to take photograph with lens cover closed.	Open lens cover before taking photographs.
FOCUS ERROR		Turn the camera off and then on again, taking care not
ZOOM ERROR	Camera malfunction.	to touch the lens. If the message persists, contact a
LENS CONTROL ERROR		FUJIFILM dealer.
NO CARD	No memory card inserted when using folder management.	Insert a memory card.
	The memory card or internal memory is not formatted.	Format the memory card or internal memory (pg. 90).
CARD NOT INITIALIZED	The memory card contacts require cleaning.	Clean the contacts with a soft, dry cloth. If the message is repeated, format the memory card (pg. 90). If the message persists, replace the memory card.
	Camera malfunction.	Contact a FUJIFILM dealer.

Warning	Description	Solution
PROTECTED CARD	The memory card is locked.	Unlock the memory card (pg. 11).
BUSY	The memory card is incorrectly formatted.	Use the camera to format the memory card (pg. 90).
CANNOT RESIZE	An attempt was made to resize a 640 picture.	640 pictures can not be resized.
	The memory card is not formatted for use in the camera.	Format the memory card (pg. 90).
CARD ERROR	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. 90). If the message persists, replace the memory card.
	Incompatible memory card.	Use a compatible memory card (pg. 11).
	Camera malfunction.	Contact a FUJIFILM dealer.
MEMORY FULL MEMORY FULL INTERNAL MEMORY IS FULL INSERT A NEW CARD	The memory card or internal memory is full; pictures can not be recorded or copied.	Delete pictures or insert a memory card with more free space (pp. 12, 47).
	Memory card error or connection error.	Reinsert the memory card or turn the camera off and then on again. If the message persists, contact a FUJIFILM dealer.
WRITE ERROR	Not enough memory remaining to record additional pictures.	Delete pictures or insert a memory card with more free space.
	The memory card or internal memory is not formatted.	Format the memory card or internal memory (pg. 90).
	The file is corrupt or was not created with the camera.	The file can not be played back.
READ ERROR	The memory card contacts require cleaning.	Clean the contacts with a soft, dry cloth. If the message is repeated, format the memory card (pg. 90). If the message persists, replace the memory card.
	Camera malfunction.	Contact a FUJIFILM dealer.

Warning	Description	Solution
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 IDENTIFY FRAME NO. in the setup menu. Take a picture to reset frame numbering to 100-0001, then select CONTINUOUS for IDENTIFY FRAME NO. (pg. 88).
TOO MANY FRAMES	A search has returned more than 30,000 results (or more than 4,999 for BY DATE).	Choose a search that returns fewer results.
TOO MANT TRAMES	You have attempted to create collages with a total of over 30,000 images.	No further collages can be created until you have deleted files or inserted a new memory card.
FILE NUMBER FULL	Memory card contains 30,000 images. No new pictures can be recorded.	Delete files or insert new memory card.
PROTECTED FRAME	An attempt was made to delete or rotate a protected picture.	Remove protection before deleting or rotating pictures (pg. 82).
PASSWORD INCORRECT	The password you entered is not correct.	Enter the correct password or make a new password (pg. 80).
640 CAN NOT CROP	An attempt was made to crop a 640 picture.	
CAN NOT CROP	The picture selected for cropping is damaged or was not created with the camera.	These pictures can not be cropped.
CAN NOT ROTATE	The picture can not be rotated.	_
CAN NOT ROTATE	Movies can not be rotated.	_
CANNOT EXECUTE	Red-eye removal can not be applied to the	
CANNOT EXECUTE	selected picture or movie.	_
DEACTIVATE SILENT MODE	An attempt was made to choose a flash mode or adjust the volume with the camera in silent mode.	Exit silent mode before choosing a flash mode or adjusting the volume (pg. 21).
COMMUNICATION ERROR	A connection error occurred while pictures were being printed or copied to a computer or other device.	IC ONTIRM that the device is turned on and that the LISK

Warning	Description	Solution	
PRINTER ERROR	Printer out of paper or ink, or other printer	Check printer (see printer manual for details). To re sume printing, turn the printer off and then turn if back on.	
PRINTER ERROR RESUME?		Check printer (see printer manual for details). If printing does not resume automatically, tap OK to resume.	
CANNOT 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.

EV (Exposure Value): 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.

Exif Print: A standard that allows information stored with pictures to be used for optimal color reproduction during printing.

JPEG (Joint Photographic Experts Group): A compressed file format for color images. The higher the compression rate, the greater the loss of information and more noticeable drop in quality when the picture is displayed.

Motion JPEG: An AVI (Audio Video Interleave) format that stores images and sound in a single file, with the images recorded in JPEG format. Motion JPEG files can be played in 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."

Internal Memory/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. A limited number of test pictures can be taken when no memory card is inserted.

	Medium	Internal memory (approx. 30 MB)		4 GB		8 GB	
•		FINE	NORMAL	FINE	NORMAL	FINE	NORMAL
	4:3	6	9	830	1330	1680	2670
골	16:9	8	13	1110	1770	2240	3550
Photographs	₩ 4:3	9	19	1340	2640	2700	5290
gra	₩ 16:9	13	26	1770	3440	3550	6910
풄	S 4:3	18	37	2480	4770	4980	9570
	S 16:9	28	42	3760	5640	7540	11310
Movies 1	ID 2	<u> </u>		21 min.		42 min.	
ries 1	640	22 sec.		50 min.		100 min.	

¹ Recording times shown here are the approximate total time of all recorded movies. Individual movies cannot exceed 10 minutes in length in 10, or 15 minutes in length in 10.

² Use a card with a class 4 write speed (4 MB/s) or better when shooting HD movies.

Specifications

System			
Model	Digital Camera FinePix Z800EXR		
Effective pixels	12 million		
CCD	½-in., Super honeycomb EXR CCD with primary color filter		
Storage media	• Internal memory (approx. 30 MB) • SD/SDHC memory cards (see page 11)		
File system	Compliant with D esign Rule for C amera F ile System (DCF), and Exif 2.3		
File format	• Still pictures: Exif 2.3 JPEG (compressed) • Movies: Motion JPEG AVI		
Image size (pixels, file size)	• ■ 4:3: 4,000×3,000 (12 M) • ■ 16:9: 4,000×2,248 (9 M)		
	• ■ 4:3 : 2,816×2,112 (6M) • ■ 16:9 : 2,816×1,584 (4M)		
	• § 4:3: 2,048×1,536 (3 M) • § 16:9: 1,920×1,080 (2 M)		
	• Motion Panorama 360: Vertical; 7,680 × 920, Horizontal; 7,680 × 616		
	• Motion Panorama 240: Vertical; 5,120 × 920, Horizontal; 5,120 × 616		
	• Motion Panorama 120: Vertical; 2,560×920, Horizontal; 2,560×616		
Lens	Fujinon 5 × optical zoom lens, F/3.9 (wide angle) – 4.7 (telephoto)		
Focal length	f=6.4 mm-32 mm (35-mm format equivalent: 35 mm-175 mm)		
Digital zoom	• ■ /M : Approx. 4× (up to 20× when combined with optical zoom)		
	• S : Approx. 4.4× (up to 22× when combined with optical zoom)		
Aperture	F3.9/F6.4 (wide angle), F4.7/F8.0 (telephoto)		
Focus range (distance from	• Normal focus: approx. 60 cm (2 ft.) $-\infty$ (wide angle); 100 cm (3.3 ft.) $-\infty$ (telephoto)		
front of lens)	• Macro mode : approx. 9 cm-80 cm/0.3 ft2.6 ft. (wide angle); 40 cm-80 cm/1.3 ft2.6 ft. (telephoto)		
Sensitivity	Standard output sensitivity equivalent to ISO 100, 200, 400, 800, 1600; 3200 (image size M or S); AUTO		
Metering	256-segment through-the-lens (TTL) matrix metering		
Exposure control	Programmed auto exposure, manual exposure		
Exposure compensation	-2 EV - +2 EV in increments of ⅓ EV (M mode)		
Shooting modes	EXR EXR, AUTO, TOUCH & SHOOT, SP SCENE POSITION,		
	◆ NATURAL LIGHT/NATURAL & 4, MOTION PANORAMA 360, MANUAL, MANUAL, MOVIE MOV		
Scene modes ■ PORTRAIT, ⑥ PORTRAIT ENHANCER, ▲ LANDSCAPE, ※ SPORT, ✔ NIGHT, ※ NIGH ⑤ FIREWORKS, 益 SUNSET, ⑤ SNOW, औ BEACH, ▼ PARTY, ※ FLOWER, TEXT, ⑥ □ CAT			

System				
Image stabilization	Optical stabilization (CC	D shift)		
Intelligent Face Detection	Available			
Shutter speed	• 380° : 1/60 S-1/1,000 S	• (+: ½ S–½500 S	• Other modes: 1/4 S-1/1,000 S	
	• © : 4 s-1/2 s	• **: 3 S-1/500 S		
Continuous	Up to five frames at a m	aximum of approximately 1.6 fps		
Focus	• Mode: Center AF, Continuous AF (EXR)			
	 Autofocus system: Hybrid AF (contrast-detect AF/phase detection AF) 			
	• Focus-area selection: Touch (, AF CENTER, and AF MULTI			
White balance	Automatic scene detection; six manual preset modes for direct sunlight, shade, daylight fluores			
	cent, warm white fluorescent, cool white fluorescent, and incandescent lighting			
Self-timer	🗞 auto release; 🗞 couple timer; 逢 group timer; 🖆 auto release (🤁 and 🗷); timer with approx			
	2s or 10s delay; OFF			
Flash	Auto flash; effective range when sensitivity is set to ISO 800 is approx. 30 cm-3.9 m/1.0 ft12.8 ft. (wide			
	angle) or 40 cm-3.2 m/1.3 ft10.5 ft. (telephoto)			
Flash modes	Auto, fill flash, off, auto s	low sync (red-eye removal off);	auto with red-eye reduction, fill flash with	
	red-eye reduction, off, slow sync with red-eye reduction (red-eye removal on)			
Monitor	3.5-in., 460k-dot color L0	D monitor; frame coverage app	rox. 100%; aspect ratio 16:9	
Movies	Camera can record mo	vies with a frame size of 1280 $ imes$	720 (HD; 24 fps) or 640×480 (640; 30 fps);	
	zoom not available during recording			
Shooting menu	Silent mode, Intelligent Face Detection with red-eye removal, continuous shooting, framing guide			
	film simulation			
Playback mode	Edit, image search, folder management, favorites, photobook assist			
Other options	PictBridge, Exif Print, lar	nguage selection (Arabic, Simpl	ified Chinese, Traditional Chinese, Czech,	
	Danish, Dutch, English, Farsi, Finnish, French, German, Greek, Hebrew, Hungarian, Indonesian, Ital-			
	ian, Japanese, Korean, Lithuanian, Norwegian, Polish, Portuguese, Romanian, Russian, Slovak, Span-			
	ish, Swedish, Thai, Turkish, Ukrainian, and Vietnamese), time difference			

Input/output terminals			
Digital input/output	USB 2.0 High Speed		
Power supply/other			
Power sources	 NP-45A rechargeable battery 		
	 AC-5VX AC power adapter and CP-45 DC couple 	er (sold separately)	
Battery life (approximate	Battery type	Approximate number of frames	
number of frames that can be taken with fresh or fully charged batteries)	NP-45A (type supplied with camera)	170	
	CIPA standard, measured in 🚾 (auto) mode using battery supplied with camera 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.		
		0.0 (0.7%)	
Camera dimensions	98.1 mm×59.0 mm×20.3 (16.9°) mm/3.9 in.×2.3 in.×0.8 (0.7°) in.		
$(W \times H \times D)$	* excluding projecting parts, measured at the thinnest part		
Camera weight	Approx. 141 g/5.0 oz., excluding battery, accessories, and memory cards		
Shooting weight	Approx. 158 g/5.6 oz., including battery and memory card		
Operating conditions	• Temperature : 0 °C − +40 °C/+32 °F − +104 °F	• Humidity: 10%–85% (no condensation)	

NP-45A rechargeable battery		
Nominal voltage	DC 3.7 V	
Nominal capacity	720 mAh	
Operating temperature	0°C-+40°C/+32°F-+104°F	
Dimensions (W \times H \times D)	31.0 mm × 39.6 mm × 6.0 mm/1.2 in. × 1.6 in. × 0.2 in.	
Weight	Approx. 15.5 g/0.5 oz.	

BC-45W battery charger			
Rated input	100 V-240 V AC, 50/60 Hz		
Input capacity	8.0VA (100V) 12VA (240V)		
Rated output	4.2 V DC, 550 mA		
Supported batteries	NP-45A rechargeable batteries		
Charging time	Approx. 120 minutes		
Dimensions (W \times H \times D)	91 mm×62 mm×23 mm/3.6 in.×2.4 in.×0.9 in.		
Weight	Approx. 67 g/2.4 oz., excluding battery		
Operating temperature	0°C-+40°C/+32°F-+104°F		

Weight and dimensions vary with the country or region of sale.

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 may appear, particularly in the vicinity of text. 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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