

Rollei dsx410

Rollei

Gebrauchsanleitung Instruction Manual



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Read First

Before using the camera, please make sure that you read and understand all the following safety precautions. Always ensure that the camera is operated correctly. The safety precautions will instruct you in the safe and correct operation of the camera and its accessories, preventing injuries or damage to yourself, other persons and equipment.

In the following pages, the term "equipment" refers mainly to the camera and its power supply accessories.



WARNINGS

To prevent possible injury, please observe the following warnings when using this product.

- **Do not aim the viewfinder at the sun or other intense light.**
Aiming at the sun through the viewfinder could injure your eyesight.
- **Do not use the flash too close to eyes**
Using the flash too close to your subject's eyes can injure the eyesight. Especially, remain at least one meter (39 inches) away from infants when you use the flash.
- **Do not place camera strap around neck**
The strap could result in suffocation when accidentally wound around neck.
- **Do not open or disassemble**
Disassembling the equipment may cause high-voltage electrical shock. Interior inspections, modifications and repairs should be conducted by qualified service staff. Please take the product to an authorized service center for inspection.

- **Turn off immediately when malfunction**

If you notice unusual smell or smoke coming from the equipment, please unplug the AC adaptor and remove the battery immediately. Proceed swiftly with caution to avoid burns. Take the equipment to an authorized service center for inspection.

- **Unplug the adaptor when the camera is not in use**

If you use the adaptor as the power source, unplug the adaptor when the camera is not in use to prevent fire and other dangers. Continuous use over a long time may lead to overheating, deformation and fire.

Battery

Observe the following instruction when handling battery used in this product. Improper use of battery may lead to leakage or explosion.

- Recharge only Li-ion rechargeable batteries. We suggest you use batteries that meet the requirements of UL.
- Check battery polarity before inserting. Do not attempt to insert the battery upside down or backward.
- Do not disassemble or short circuit the battery.
- Do not expose battery to fire or excessive heat.
- Do not immerse or contact with water or other liquids.
- Stop using the battery immediately if noticing any deformation or changes in color.
- Do not put the batteries along with metal objects such as coins, keys or hair-pins in your pocket.
- Keep battery out of the reach of children. Seek medical attention right away if a child swallows a battery.

 **CAUTIONS**

Observe and exercise the following cautions to avoid damage and keeping your camera in an optimum working status.

- **Keep Dry**

This camera is not waterproof, and may malfunction when immersed in water, or any liquids to enter the interior of the camera

- **Away from Moisture, Salt or Dust**

Wipe off salt or dust with a slightly dampened soft cloth after using your camera at the beach or seaside, then, dry your camera thoroughly.

- **Away from Strong Magnetic Fields**

Never put the camera too close to any equipment producing strong electromagnetic fields, such as electric motor. Strong electromagnetic fields could lead to camera malfunctions or interfere the data recording.

- **Avoid Intense Heat**

Do not use or store the equipment under sunlight or high temperatures. Such exposure could lead to the leakage of the batteries or deformation of the casing.

- **Avoid rapid temperature change**

Rapidly moving the equipment between hot and cold temperatures may form water droplets on its exterior and interior. To prevent the condensation, place the equipment in its carry case or a plastic bag before exposing it to a rapid temperature change.

- **Do not drop**

Strong shock or vibration of dropping could cause malfunction. Keep the strap around your wrist when carrying the camera.

- **Do not unplug or remove the battery when processing data**

When images data are being recorded or deleted from memory cards, cutting off power could result in data loss or damage the internal circuitry or memory.

- **Carefully handle the lens and all moving parts**

Be careful not to apply too much force to the lens, memory card, battery or the jack cover. These parts are not designed to take extra force than regular use.

- **Battery**

In low temperature circumstances, the battery's capacity may decrease significantly due to the inactive chemical reaction. When taking pictures in cold weather, keep a warm backup battery on hand.

Should the battery terminals become dirty, wipe them with a dry, clean cloth or use an eraser to remove the stain.

- **Memory cards**

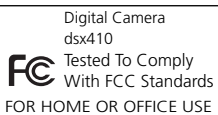
Turn off the power before inserting or removing the memory card.

Otherwise, the memory card could become unstable.

Memory cards may getting hot during use, remove memory card from the camera with care.



This mark on your camera certifies that this camera meets the requirements of the EU (European Union) concerning interference causing equipment regulations. CE stands for Conformité Européenne (European Conformity).



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

This Class B digital apparatus complies with Canadian ICES-003.

Do not remove the ferrite cores form the cables.

Unpack the Camera

Digital camera x 1

Li-ion battery x 1

Camera case x 1

Camera wrist strap x 1

Video cable x 1

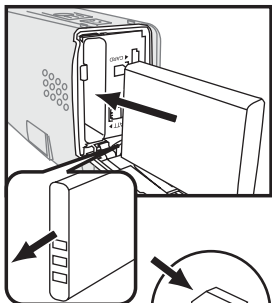
USB cable x 1

Driver software CD-ROM x 2

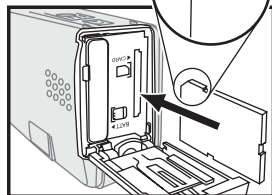
User guide x 1

Warranty card x 1

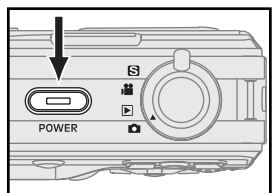
Quick Start



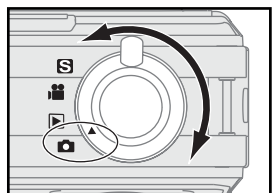
1 Insert a Li-ion battery. See page 17.




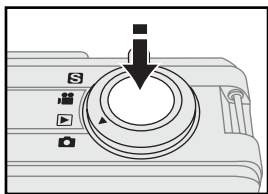
2 Insert a SD card. See page 17.



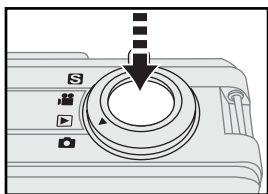
3 Turn on the camera. See page 19.



4 Rotate the mode dial to  and frame your subjects with the viewfinder or the LCD monitor.



5 Slightly press the shutter release button half-way down and hold it to set the focus and exposure.

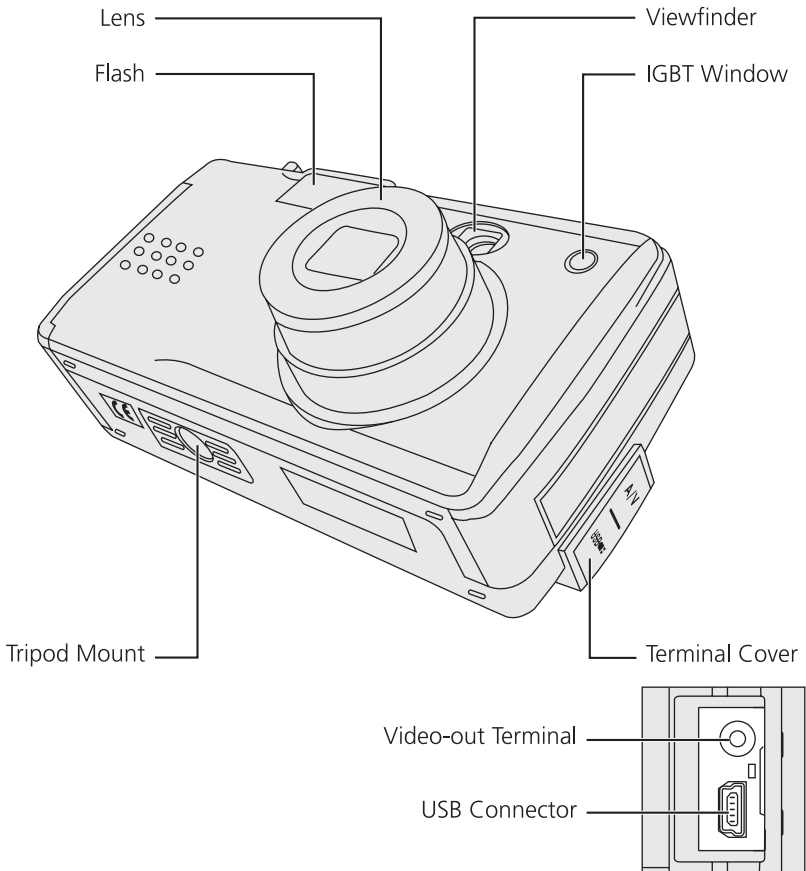


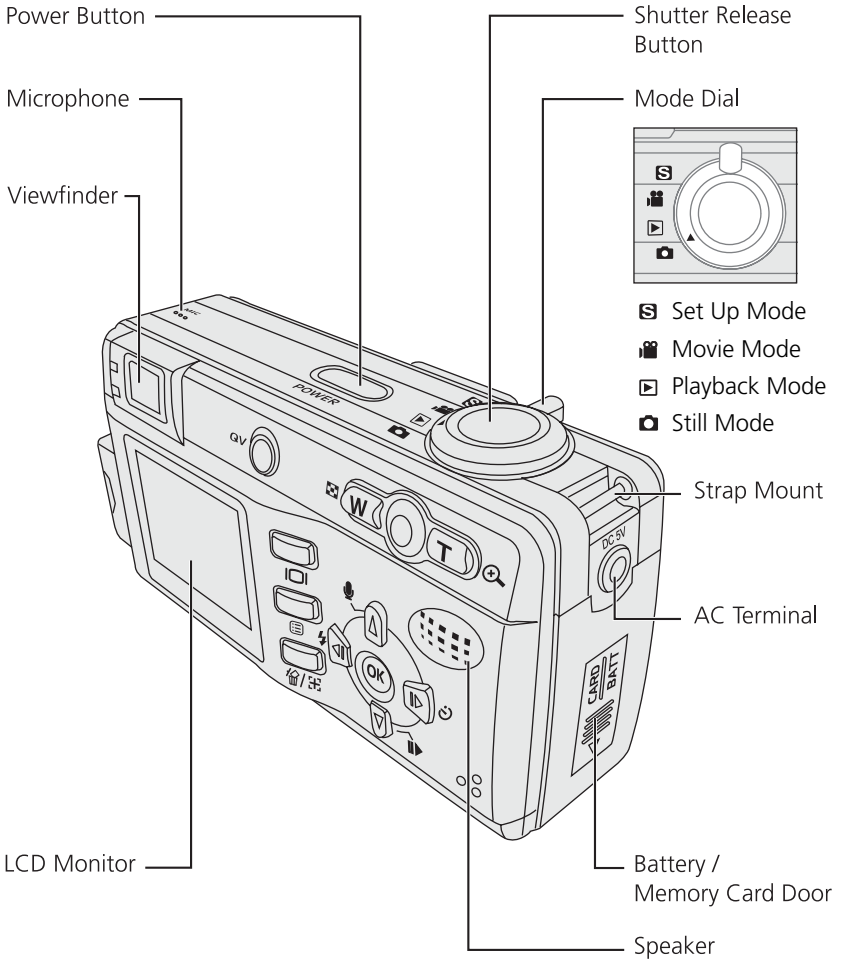
6 Press the shutter release button all the way down to take the picture.

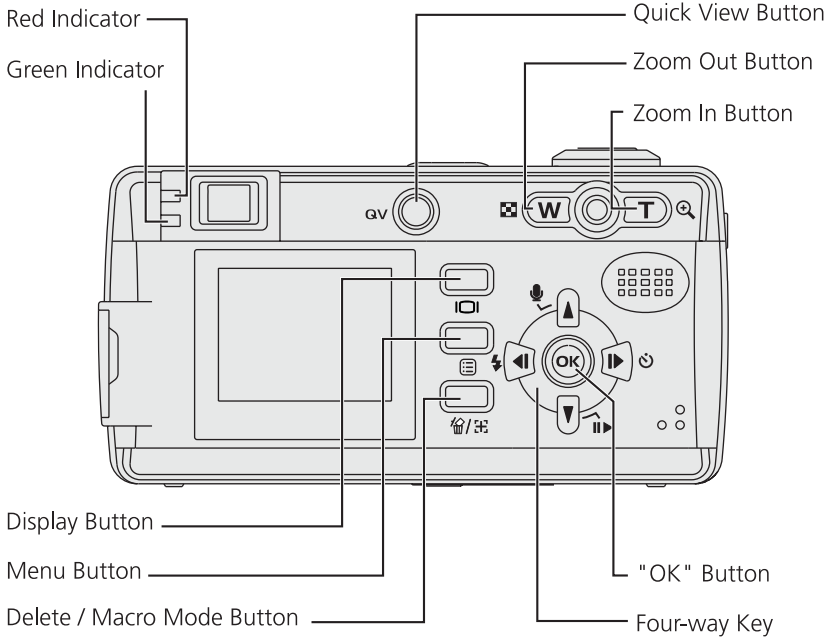
Chapter 1

Getting Started

Camera Parts



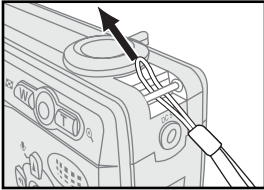




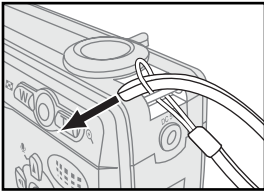
Green Indicator	Red Indicator	Status
On	-----	The camera works normally
Blinking	-----	The camera is busy (flash charging, process recording, loading) and cannot be operated.
-----	Blinking	Warnings and errors such as failure in operation.
On	On	AE, AF success

Set Up

■ Attaching the Wrist Strap

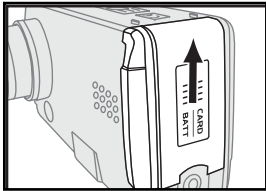


- 1 Insert the small loop of the wrist strap into the strap mount, and then insert the long loop of the wrist strap into the small loop of the strap.



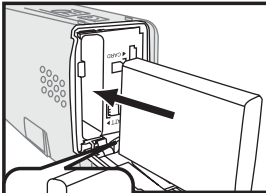
- 2 Tighten the wrist strap to the strap mount.

■ Inserting the Battery & the Memory Card

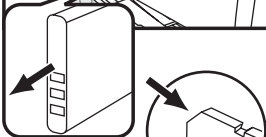


1 Put the camera upside down with the front of the camera facing you.

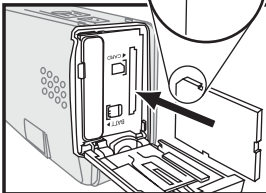
2 Open the battery / memory card door by pushing it upwards.



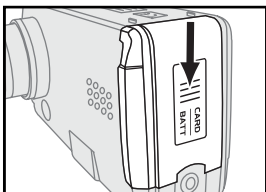
3 Install a Li-ion battery.



4 Inserting a SD card and make sure it is in place.



5 Close the battery/ memory card door by pushing it downwards.

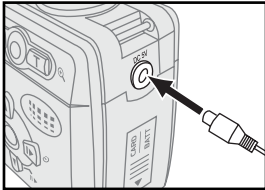


Note 1: To save the battery power, use the viewfinder, instead of the LCD monitor to take the picture. Besides, you can also activate the power saving function. See page 77.

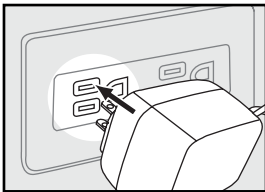
Note 2: Be sure to close the battery/ memory card door firmly, or you can't turn on the camera.

■ Using the AC Adaptor

When reviewing pictures or operating the camera indoors, you can use the AC adaptor as the power source to save the battery power.



- 1 Connect the AC adaptor connector to the AC adaptor terminal of the camera.

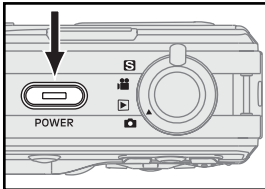


- 2 Connect the other end of the AC adaptor to the electrical outlet.

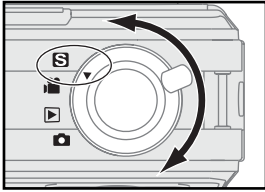
■ Turning on Power

Press the power button on the top of the camera to turn the camera on.

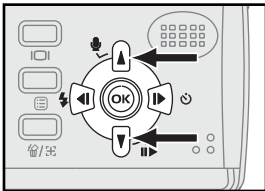
Note: To turn off the camera, press the power button again.



■ Selecting the Language



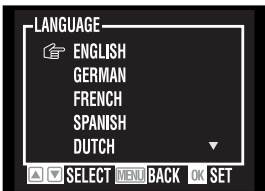
1 Rotate the mode dial to **S** "Set up".



2 Scroll through the menu by using **▲▼** on the four-way key and move to "Language". Enter the submenu by pressing "OK".

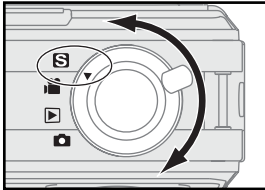


3 Select the language you need and then press "OK" to confirm the setting.

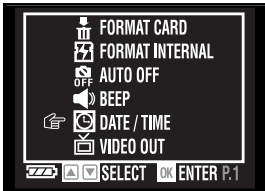


■ Setting the Date and Time

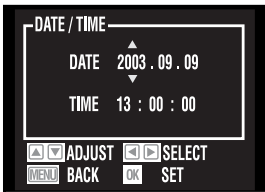
Set the date and time so that they appear correctly when you're reviewing the images with your camera.



- 1 Rotate the mode dial to **S** "Set up".



- 2 Scroll through the menu by using **▲▼** on the four-way key and move to "Date/Time". Enter the submenu by pressing "OK".



- 3 Move to the item you want to adjust by using **◀▶** on the four-way key, and adjust the value of the item by pressing **▲▼** on the four-way key.

- 4 Press "OK" to confirm the setting.

Note: Date and time do not appear when you print your pictures.

Chapter 2

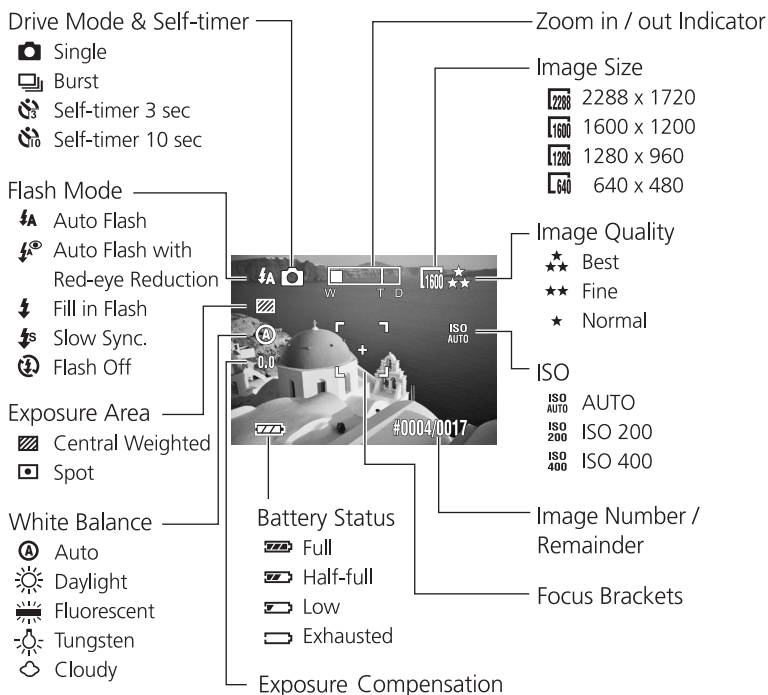
Taking Pictures and Recording Video Clips

Using the LCD Display

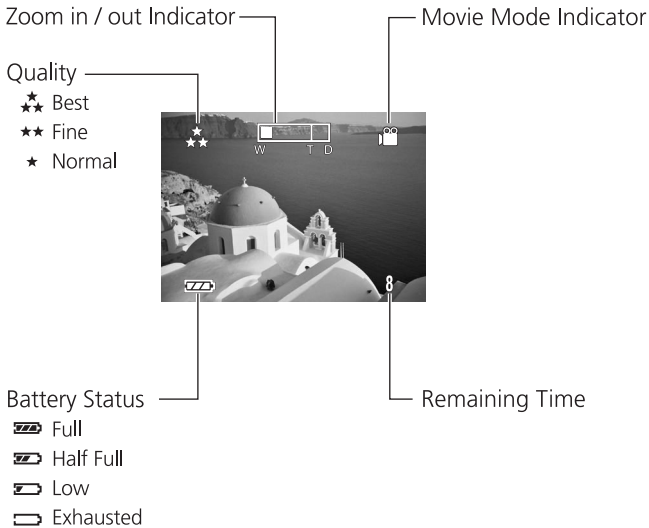
When you turn the camera on, the LCD monitor turns on automatically. With the LCD monitor, you can frame images that you want to take or record as video clips. You can also view the menus of each mode. The following figure gives you the information of the icons appearing on the LCD monitor.

Note: You may not see the LCD display clearly when using the LCD monitor under intense light, such as sunlight. You can adjust the LCD brightness to improve the situation. See page 80.

■ Still Mode

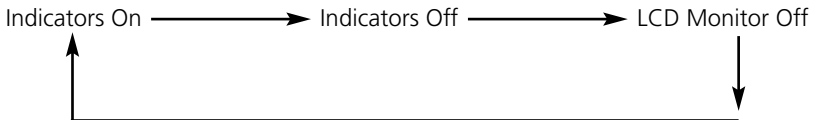


■ Movie Mode



■ Changing the Contents on the LCD Monitor

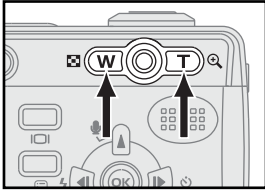
Press button in , or mode to change the status of the indicators on the LCD monitor in the following order:



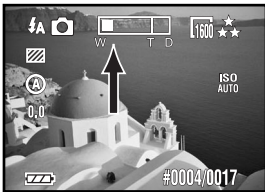
Using Zoom

This camera provides you with 3x optical zoom and 2x digital zoom.

■ Optical Zoom

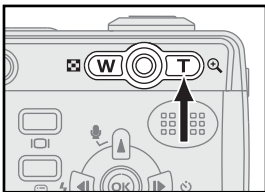


1 Press "W/T" buttons to zoom out and zoom in.

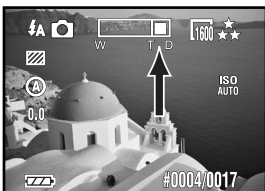


2 You can see the icon of "W/T" on the LCD monitor.

■ Digital Zoom



1 Press "Tele" button to it's maximum (3x).

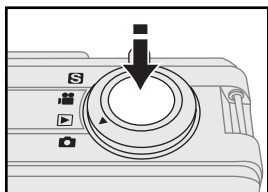


2 Press "Tele" button again to activate digital zoom function.

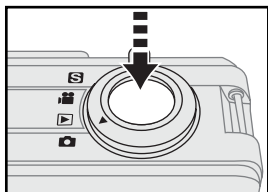
Taking Still Pictures

■ Using Auto Focus

Press the shutter release button halfway down to set the focus and exposure. The camera will automatically focus on the subject in the center of the frame.



- 1 Frame your subject with the viewfinder or the LCD monitor. Slightly press the shutter release button halfway down and hold it to set the focus and exposure.

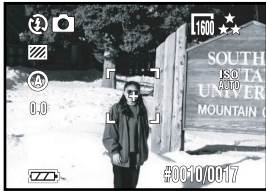


- 2 Press the shutter release button all the way down to take the picture.

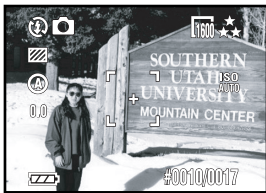
Note: If the focus lock fails, Red and Green Indicator beside the viewfinder will be blinking.

■ Using Focus Lock

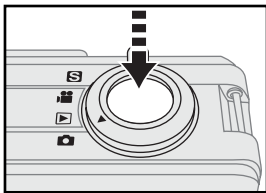
If your subject is not in the center of the frame, the picture may be out of focus when you press the shutter release button halfway down. Focus lock allows you to focus on an off-center subject.



1 Frame your subjects in the center of the frame with the viewfinder or the LCD monitor. Slightly press the shutter release button halfway down and hold it to set the focus and exposure.



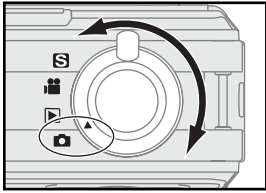
2 Keep pressing the shutter release button halfway down and recompose your picture.




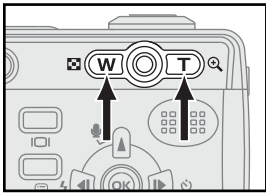
3 Press the shutter release button all the way down to take the picture.

■ Using Still Mode

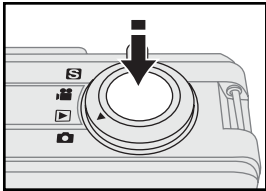
Still mode allows you to take still pictures.



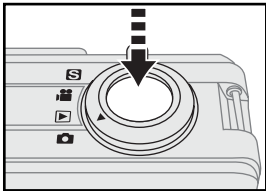
1 Rotate the mode dial to  "Still Mode".



2 Frame your subjects with the viewfinder or the LCD monitor by moving the camera or using W/T buttons.



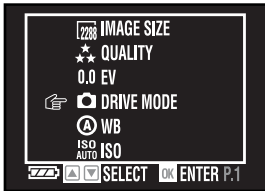
3 Slightly press the shutter release button half-way down and hold it to set the focus and exposure.





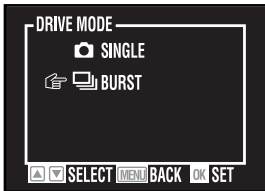
4 Press the shutter release button all the way down and take the picture.

■ Taking a Series of Pictures

When the drive mode sets to "Single", you can capture a single picture each time you press the shutter release button all the way down. If you want to shoot images of sporting events, you can activate "Burst" to gain a series of pictures. After you take the picture, the camera resets to "Single".



1 In  mode, press . Select "Drive Mode" and then press "OK".



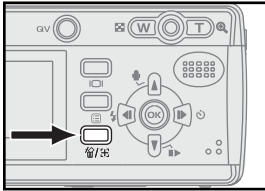
2 Select "Burst" and then press "OK" to confirm the setting.


3 After setting the focus and exposure, press the shutter release button all the way down and hold it to capture continuous pictures till the memory card is full or till you release the shutter release button.

Note : The default flash mode in "Burst" is "Off".

■ Using Macro Mode

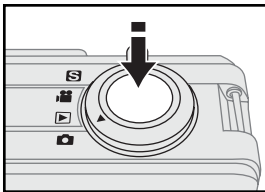
Macro mode allows you to shoot images at close range and get a close-up.



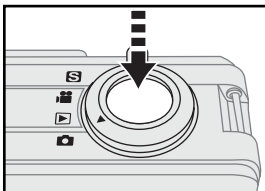
1 In still mode, press "  " button.




2 Frame your subjects in the LCD monitor by moving the camera or using W/T buttons.



3 Slightly press the shutter release button half-way down and hold it to set the focus and exposure.

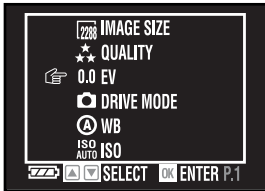


4 Press the shutter release button all the way down and take the picture.

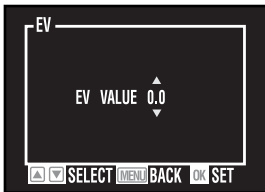
Note: The default flash mode is "Off" in macro function. You can change the flash mode by using  button.

■ Setting Exposure Compensation

In some difficult lighting condition, the automatic exposure may be misled into giving the wrong readings. Exposure compensation allows you to adjust the exposure value and correctly expose your pictures.



1 In mode, press . Select "EV" and then press "OK".

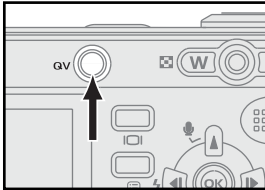


2 Use on the four-way key to adjust the exposure value (from -2.0 ~ +2.0).

Note: EV setting goes back to default (0.0 EV) after you turn off the camera.

■ Using Quick View

After taking a picture, you can have a quick review of that picture. Press "Quick View" button and the last picture taken appears on the LCD monitor.



1 Press "Quick View" button.



2 The last picture taken appears as a thumbnail at the lower-left corner on the LCD monitor.





3 Press "Quick View" button again and the camera mode switches from still to playback.

4 Press "Quick View" button to go back to still mode.

■ Using Self-timer

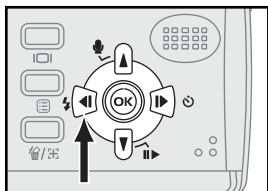
Self-timer function allows you to take pictures 3 or 10 sec after you press the shutter release button all the way down. When you want to include yourself into the picture, but find no one to shoot the picture for you, you can use this convenient function. We recommend you use a tripod or place the camera on a steady surface when using self-timer.








- 1 Press **▶** on the four-way key once (3 sec) or twice (10 sec) to start self-timer function and you can see  /  icon appearing on the LCD monitor.
- 2 After locking the focus and pressing the shutter release button all the way down, the self-timer lamp blinks slowly first and then quickly for 3 or 10 sec.
- 3 The camera takes the picture automatically.

■ Using Built-in Flash

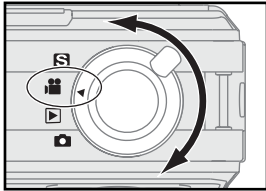
When taking pictures in difficult lighting condition, you may need the flash to get correct exposure. The camera provides you with five built-in flash modes. Switch among the flash modes in still mode by using **◀** on the four-way key.




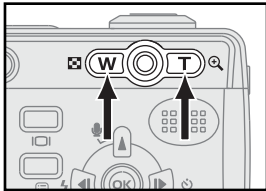
Mode	Function
 Auto Flash	Speedlight fires automatically when the subject is dark.
 Auto Flash with Red-eye Reduction	Reduces the "red-eye" effect results from the flash.
 Fill in Flash	Speedlight fires whenever you take a shot, regardless of the lighting condition.
 Slow Sync	Speedlight fires with slow shutter speed to get natural exposure.
 Flash Off	Flash is turned off.

Recording Video Clips

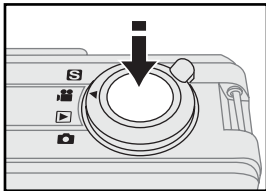
Movie mode allows you to record video clips.



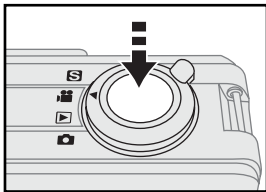
1 Rotate the mode dial to  .



2 Frame your subjects by using "W/T".



3 Slightly press the shutter release button half way down and hold it to set the focus and exposure.





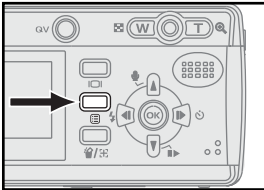
4 Press the shutter release button all the way down to start recording.


5 Press the shutter release button again to stop recording.

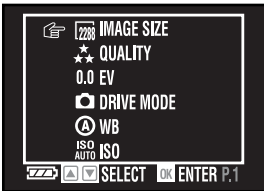
Using the Capture Menu



Options in the capture menu allow you to adjust settings for picture taking.

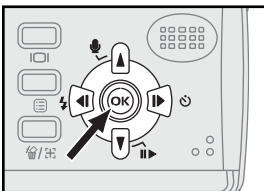
1 Rotate the mode dial to  , or  .



2 Press  "Menu" button to enter the capture menu.



3 Scroll through the menu and the submenu by using   on the four-way key .



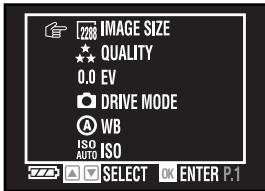
4 Press "OK" to enter the submenu.

5 After confirming the setting, press "Menu" button again to exit.

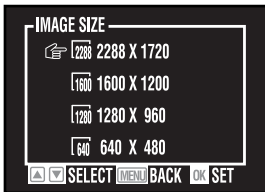
Note: Drive mode and EV settings, please see page 28, 30.

■ Setting Image Size (Resolution) [📷 only]

In this function, you can choose in which image size (the number of pixels) you want your pictures stored in the memory card. This camera provides you with four kinds of image size. You can gain detailed images with high resolutions; the file size will be large, and vice versa.



- 1 In the capture menu, select "Image Size" and then press "OK".

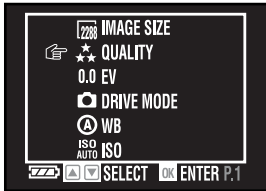


- 2 Select "2288 x 1720", "1600 x 1200", "1280 x 960" or "640 x 480".

- 3 Press "OK" to confirm the setting.

■ Setting Image Quality

In order to reduce the size of the image for more storage of pictures in the memory card, images are compressed. However, compression leads to the loss of image quality. In other words, the less you compress the image, the better the image quality, and the fewer pictures you can store in the memory card.



1 In the capture menu, select "Quality" and then press "OK".

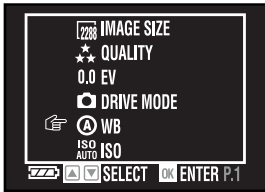


2 Select "Best", "Fine", or "Normal".

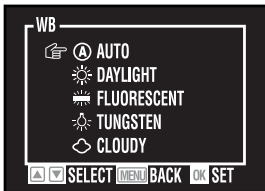
3 Press "OK" to confirm the setting.

■ Setting White Balance

WB allows you to correct color shifts resulting from different lighting conditions when taking pictures.



1 In the capture menu, select "WB" and then press "OK".



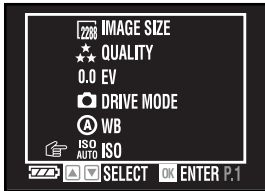
2 Select "Auto", "Daylight", "Fluorescent", "Tungsten", or "Cloudy".

3 Press "OK" to confirm the setting.

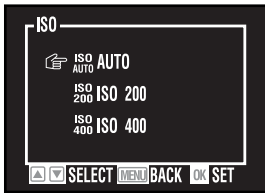
Mode	Function
Ⓐ Auto	The camera will automatically adjust the setting according to the lighting condition.
☀ Daylight	Setting for shooting in sunny or cloudy condition.
☾ Fluorescent	Setting for shooting in fluorescent condition
💡 Tungsten	Setting for shooting in incandescent or halogen condition.
☁ Cloudy	Setting for shooting in overcast condition.

■ Setting Sensitivity

ISO value affects the camera's sensitivity to light. The default ISO setting is "Auto", but you can also adjust the setting manually. Use low ISO value in bright condition, and high ISO value when light is insufficient.



1 In the capture menu, select "ISO" and then press "OK".



2 Select "Auto", "200", or "400".

3 Press "OK" to confirm the setting.

Note 1: High ISO value may lead to noise in the picture.

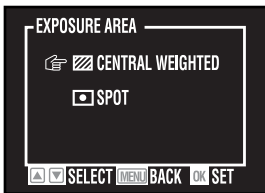
Note 2: ISO speed resets to default "Auto" after you turn off the camera.

■ Setting Exposure Area [📷 only]

This camera provides you with two exposure-metering modes to gain proper exposure.



- 1 In the capture menu, select "Exposure Area" and then press "OK".



- 2 Select "Central Weighted" or "Spot".

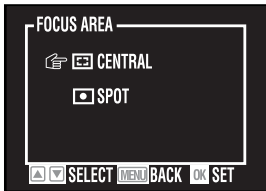
- 3 Press "OK" to confirm the setting.

Mode	Function
<input checked="" type="checkbox"/> Central Weighted	Measures the EV from the large area in the center of the whole picture area. You can use this mode in most cases.
<input type="checkbox"/> Spot	Meters the EV from a circular area (about in 3-5mm) in the middle of the LCD monitor. Use this mode to shoot pictures with a specific exposure area.

■ Setting Auto Focus Area [📷 only]



- 1 In the capture menu, select "Focus Area" and then press "OK".



- 2 Select "Central" or "Spot".

- 3 Press "OK" to confirm the setting.

■ Setting Sharpness

Adjusting settings of sharpness allows you to emphasize or soften the edge of the image.



1 In the capture menu, select "Sharpness" and then press "OK".



2 Select "Soft", "Normal", or "Hard".

3 Press "OK" to confirm the setting.

Mode	Function
<input type="checkbox"/> Soft	Softens the outline. If you want your subjects (such as people) to have a soft outline, we recommend that you use this mode.
<input checked="" type="checkbox"/> Normal	Suitable for ordinary shots.
<input type="checkbox"/> Hard	Emphasizes the outline. If you want your subjects (such as buildings) to have a clear and sharp outline, we suggest that you use this mode.

■ Adjusting Saturation

Saturation is the intensity and purity of color. This option allows you to adjust the saturation of the image.



- 1 In the capture menu, select "Saturation" and then press "OK".



- 2 Select "More", "Normal" or "Less".

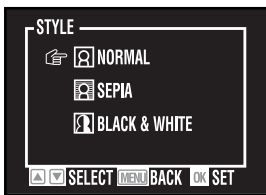
- 3 Press "OK" to confirm the setting.

■ Setting Style

This mode allows you to have special effect on the pictures or the video clips.






1 In the capture menu, select "Style" and then press "OK".



2 Select "Normal", "Sepia", or "Black & White".

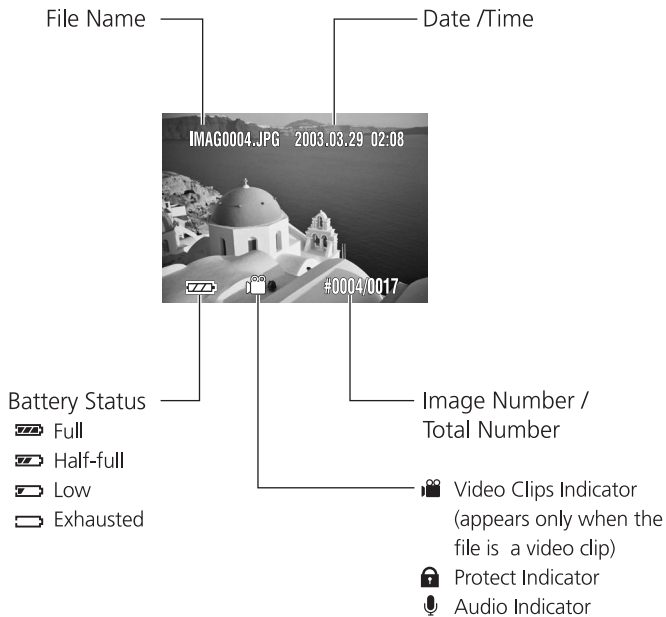
3 Press "OK" to confirm the setting.

Mode	Function
 Normal	No special effect.
 Sepia	Makes the pictures look like ancient ones. (reddish -brown)
 Black & White	Produces black & white photos.

Chapter 3

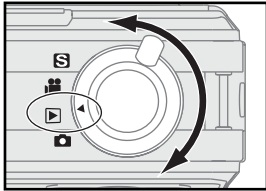
Reviewing Images and Video Clips


Using the LCD Display



Using Playback

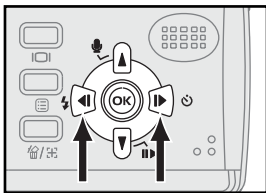
Playback mode allows you to review the still images and video clips.





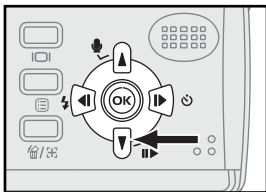
- 1 Rotate the mode dial to  "Playback" mode.




- 2 The last still picture you take and the information of that picture appear on the LCD monitor.



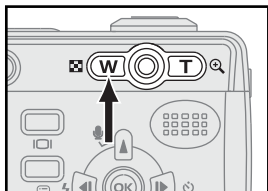
- 3 Use   on the four-way key to move forth and back through the still pictures.



- 4 Use  on the four-way key to start/ stop playing video clips.

■ Using Index Display

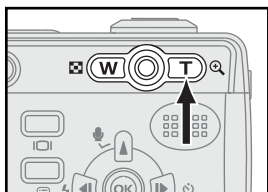
By using the function of index display, you can view at most six still pictures at a time.



- 1 Press " Wide " button and switch single display to index display.



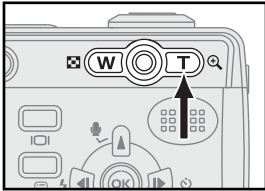
- 2 Use ◀▶ on the four-way key to highlight single picture and ▲▼ on the four-way key to move to the previous or the next six pictures.



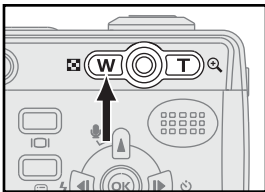
- 3 Press " Tele " to return to single playback.

■ Activating Digital Enlargement

The function of digital enlargement allows you to enlarge a single image to 2x.

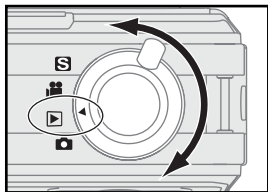



- 1 Press "Tele" button in single display and then navigate the enlarged image by using the four-way key.

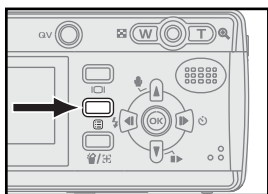



- 2 Press "Wide" button to return to the original image size step by step.

Using the Playback Menu





1 Rotate the mode dial to .

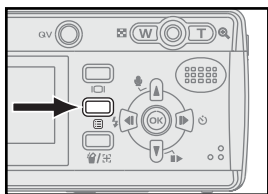



2 Press  "Menu" button.



3 Scroll through the menu and the submenu by using   on the four-way key.

4 Press "OK" to enter the submenu.



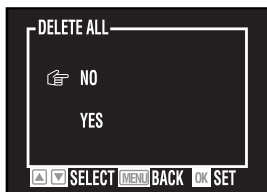
5 After confirming the setting, press  "Menu" button again to exit.

■ Deleting All Pictures

This function allows you to delete all of the still pictures and video clips.




1 In the playback menu, select "Delete All" and then press "OK".



2 Select "No" or "Yes".

3 Press "OK" to confirm the setting.

Note 1: To delete single picture, choose the one you want to delete and then press . Choose "Yes" or "No" and then press "OK".

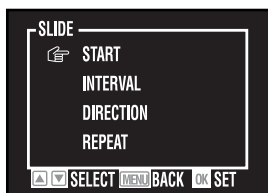
Note 2: If the file is under protection, you have to remove the protection first and then delete it. See page 56.

■ Displaying a Slide Show

When reviewing still pictures, you can adjust some settings here and the camera automatically displays the pictures one by one on the LCD monitor.



- 1 In the playback menu, select "Slide" and then press "OK".



- 2 Select "Start", "Interval", "Direction" or "Repeat".
- 3 Press "OK" to confirm the setting.

Mode	Function
Start	Begins the display.
Interval	Adjusts the interval (1sec~30sec) between each picture during the display.
Direction	Decides in which direction ("Forward" or "Backward") to display the pictures.
Repeat	Repeat playing the slide show.

Note: During the slide show, you can press ▼ on the four-way key to stop it.

■ Recording Audio Clips for Still Images

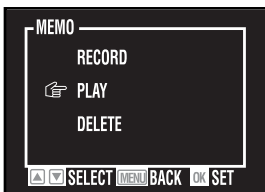
You can record audio memos for each still picture.



- 1 First, select one picture that you want to add an audio clip to. In the playback menu, select "Memo" and then press "OK".



- 2 To record an audio memo, select "Record". In the submenu, press ▲ on the four-way key to start/stop recording.



- 3 To play an audio memo, select "Play". In the submenu, press ▼ on the four-way key to pause/start. Press "OK" to stop playing.



- 4 To delete a memo, select "Delete".

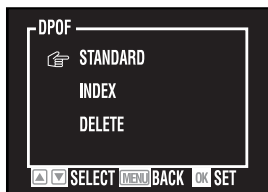
Note : You can also record audio memos in playback mode by directly using ▲ (recording memos) and ▼ (play/pause memos) on the four-way key without entering the menu.

■ Setting DPOF (Digital Print Order Format)

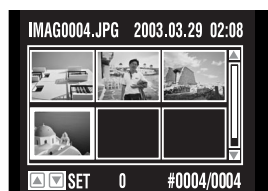
DPOF allows you to set the print order format of still images.



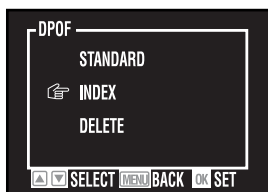
- 1 In the playback menu, press "DPOF" and then press "OK".



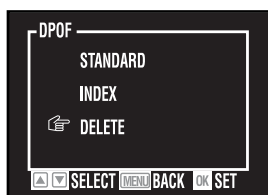
- 2 To decide the number of copies, select "Standard".



- 3 Use ◀ ▶ on the four-way key to select the pictures and ▲ ▼ on the four-way key to adjust the numbers of copies. Press "OK" button to confirm the setting.



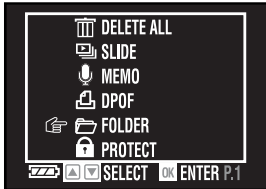
- 4 To print index of pictures, select "Index".



- 5 To cancel all of the settings for printing, select "Delete".

■ Folder

You can view pictures in different folders of the memory card. The camera creates a new folder when the file number is over 9999.



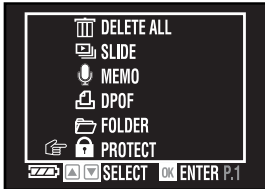
- 1 In the playback menu, select "Folder" and then press "OK".



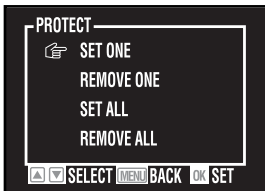
- 2 Choose among the folders and select the one that you would like to view.
- 3 Press "OK" to confirm the setting.

■ Protecting Pictures and Video Clips

Protect function prevents the pictures and video clips from modifying and deleting.




1 In the playback menu, select "Protect" and then press "OK".



2 Select "Set One", "Remove One", "Set All" or "Remove All".

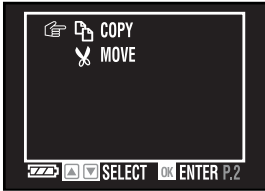
3 Press "OK" to confirm the setting.

Note 1:  appears on the LCD monitor when you protect the picture.

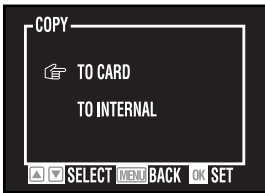
Note 2: All of the images, including the protected ones, are deleted when you format the memory card or the built-in memory.

Mode	Function
Set One	Protects the current picture you're viewing.
Remove One	Cancels the protection of the picture.
Set All	Protects all the pictures.
Remove All	Cancels all the protection.

■ Copying the Images & Video Clips



1 In the playback menu, select "Copy" and then press "OK".

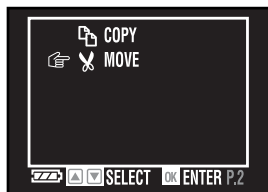


2 Select "To Card" or "To Internal".

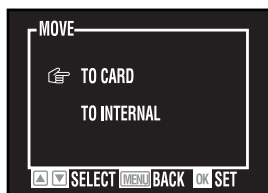
3 Press "OK" to confirm the setting.

Mode	Function
To Card	Copy the data in the internal flash memory and then save it in the memory card.
To Internal	Copy the data in the memory card and then save it in the internal flash memory.

■ Move the Images & Video Clips



- 1 In the playback menu, select "Move" and then press "OK".



- 2 Select "To Card" or "To Internal".

- 3 Press "OK" to confirm the setting.

Mode	Function
To Card	Transfer the data from the internal flash memory to the memory card.
To Internal	Transfer the data from the memory card to the internal flash memory.

Chapter 4

Installing the Software

The software CD supplied with the camera includes the driver and the application (Digital Image, PhotoImpression, and VideoImpression). The application allows you to upload the images from the camera, view them, print them, and e-mail them. So please install the software before you connect the camera to the computer.

Windows System Requirements

- Windows 98, 98SE, ME, 2000, and XP
- Pentium II processor or greater
- 32MB of available RAM
- 110MB of available hard disk space
- CD-ROM drive
- USB port
- Color Monitor with a minimum resolution of 800 x 600 pixels

Mac OS Requirements

- Mac OS 9.x, 10.0, and 10.1
- 32MB of available RAM
- 110MB of available hard disk space
- CD-ROM drive
- USB port
- Color Monitor with a minimum resolution of 800 x 600 pixels

Installing the Software

■ Installing the Driver

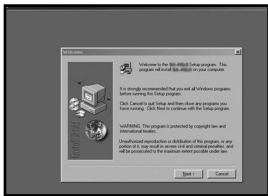
If you use Windows 98, 98 SE as the OS in your computer, install the driver first by following the on-screen instruction.



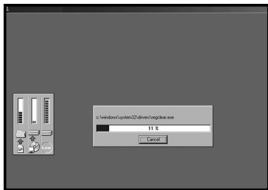
1 Insert an installation CD-ROM.

2 Click "Driver".

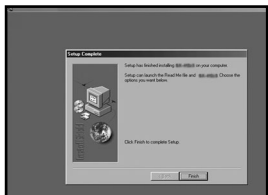
3 Click "Next".



4 The installation starts.



5 Click "Finish " to complete the installation. Windows ME, 2000, XP and Mac OS 9.X, 10.X don't need the driver.



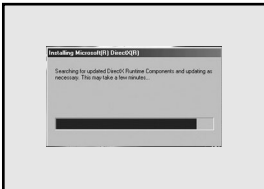


6 Click "Yes" to continue install DirectX 8.1.

Note : We suggest to install DirectX 8.1 for all Win OS.



7 Click "Yes".



8 Starting install DirectX 8.1.



9 Click "Sure" to complete the installation.

10 Restart your computer.

Note : Before installing the driver, insert the memory card first.

■ Installing the Application (Windows)

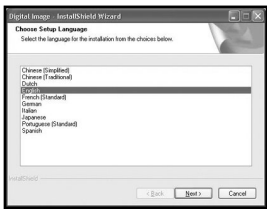
1 Turn on the computer and then insert the software CD into the CD-ROM drive.



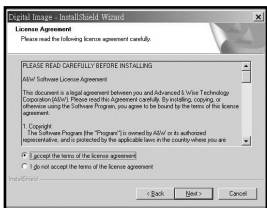
2 After you insert the CD into the CD-ROM drive, the first Install window will appear. If the install window doesn't appear, click "Start" and then "Run". Type "E:\Rollei.exe" E is the drive letter that contains the software CD.

Click "Digital Image • PhotoImpression".

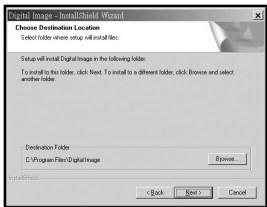
3 Select a language and click "Next". Follow the on-screen instruction to continue the installation.



4 Accept the license agreement and then click "Next".

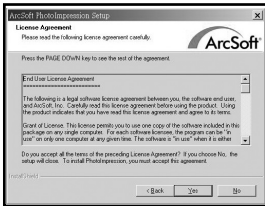


5 Click "Next". Follow the on-screen instruction to continue and finish the installation.

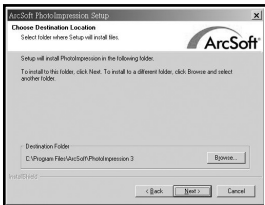




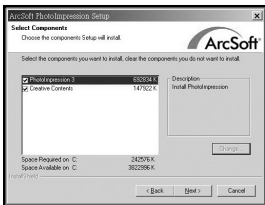
6 Right after the Digital Image installation finishes, the computer proceeds to install PhotoImpression. Select a language and click "Next". Follow the on-screen instruction to continue the installation.



7 Accept the license agreement and then click "Yes".



8 Click "Next".



9 Click "Next". Follow the on-screen instruction to continue and finish the installation.

Note: Follow step 6~9 to install VideoImpression.

■ Installing the Application (Macintosh)

- Digital Image

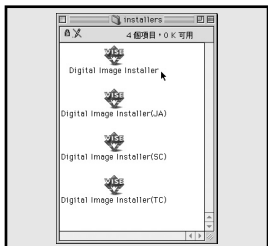
- 1 Turn the computer on and then insert the software CD into the CD-ROM drive.
- 2 Click the CD icon on the desktop to start the installation.



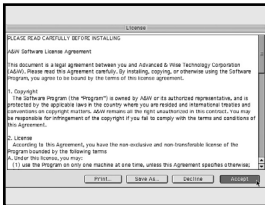
- 3 Click "Digital Image".



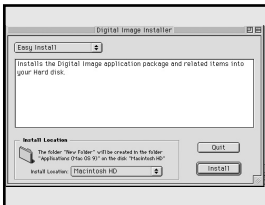
- 4 Click "Installers".



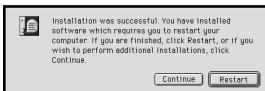
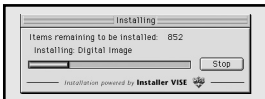
- 5 Select the language.



6 Click "Accept".



7 Click "Install".



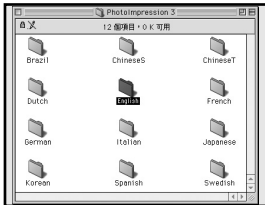
8 Restart your computer.

• Photolmpression

- 1 Insert the software CD into the CD-ROM drive.
- 2 Click the CD icon on the desktop to start the installation.
- 3 Click "Photolmpression".

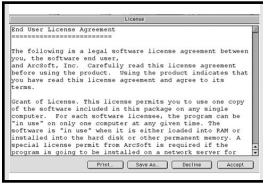


- 4 Select the language.

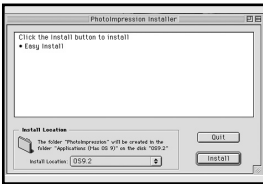


- 5 Click "Photolmpression Installer".





6 Click "Accept".



7 Click "Install".

• VideoImpression

To install VideoImpression, follow step 1~7 of PhotoImpression installation.

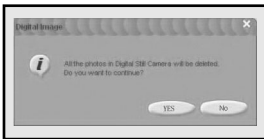
Using the Application

■ Digital Image

1 Connect the camera to the computer. See page 72.



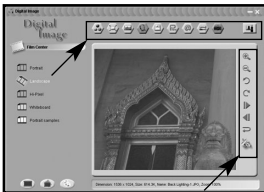
2 Launch Digital Image and click "Yes" to download the images from the camera.




3 To reserve the images in the memory card, click "No"; to delete all of the images in the memory card, click "Yes".



4 Select the image that you want to edit.

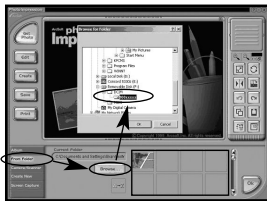


5 Use the tools to edit the image or click  to link PhotoImpression.

■ Photolmpression

1 Connect the camera to the computer.
See page 72.

2 Launch Photolmpression.



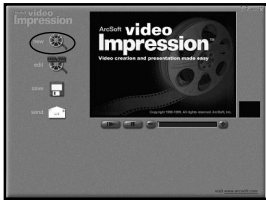
3 To download the images from the camera, select "From Folder", "Browse", "Removable Disk", "Dcim", "100xxxxx", and click "Ok". Click the image that you want to edit in the frame.



4 You can open two images at the same time.

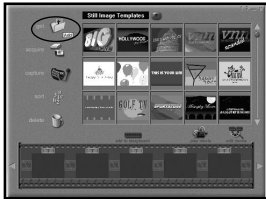
■ VideoImpression

1 Connect the camera to the computer. See page 72.



2 Launch VideoImpression and then select "New".

3 Click "Get".



4 Select "DCIM" to download the video clips from the camera.





5 Select the video clips. Click "add to story board" and then "Play movie"



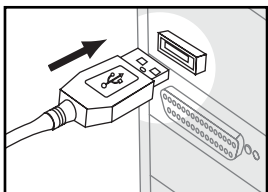
6 Click "Play" to play the video clips.

Chapter 5

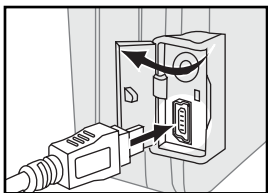
Uploading, Printing and Displaying Images

After you take pictures, you can upload images to a computer from your camera, print them with a printer, and display them on a TV.

Uploading to a Computer



- 1 Connect the larger end of the USB cable to the USB slot of a computer.



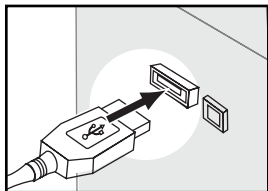
- 2 In any mode, open the terminal cover and connect the small end of the USB cable to the camera.
- 3 The computer automatically detects the camera as a mass storage device so that you can copy the image file from your camera to the hard drive of a computer.

Note 1: Upon connecting the camera to a computer, the LCD monitor turns off automatically.

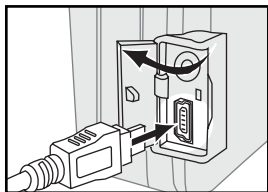
Note 2: If you use Windows 98/98SE as the OS in your computer, you have to install USB driver from the software CD-ROM.

Printing Images

After uploading the images to a computer, you can print them by using the software packed with the camera. You can also connect the camera directly to some specific printers (such as Olympus P400 Photo Printers). To connect the printer:



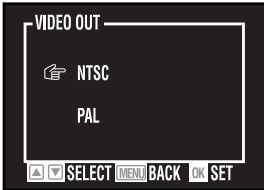
- 1** Get the USB cable and connect the larger end of it to the printer.



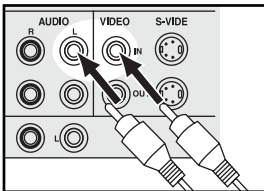
- 2** Open the terminal cover and connect the small end of the USB cable to the camera.
- 3** Adjust the settings of DPOF in Playback Menu. See page 53.

Displaying Images on a TV

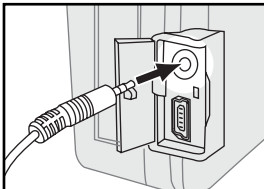
By connecting to a TV, you can view images as a slideshow and play audio/video clips.



- 1 Select right TV system in "Set Up" mode.
See page 79.



- 2 Connect the A/V (Audio/Video) cable to the AV inputs of a TV.



- 3 Connect the A/V cable to the A/V connector of the camera.

Note 1: When you connect your camera to a TV, the LCD monitor turns off automatically.

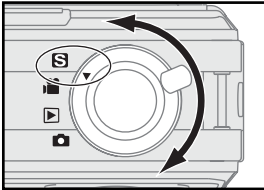
Note 2: The audio terminal is red and the video terminal is yellow.

Chapter 6

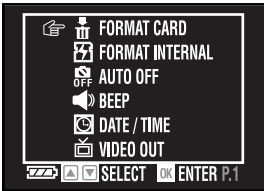
Adjusting the Camera Settings

Set up mode allows you to adjust the default settings of this camera.

Using the Set Up Menu



- 1 To enter the set up menu, rotate the mode dial to **S** "Set Up mode".



- 2 Use **▲▼** on the four-way key to scroll through the menu.

- 3 Press "OK" to enter the submenu .

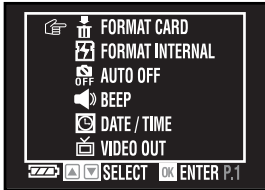


- 4 Press "OK" to confirm the setting.

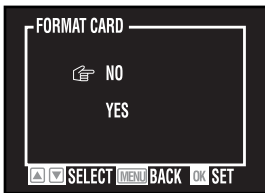
Note: Language and Date/Time settings, please see page 20-21

■ Formatting the Memory Card

This function allows you to delete all of the images, data, and information in your SD/ MMC memory card.

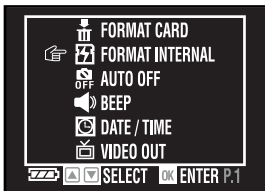


1 In the set up menu, select "Format Card" and then press "OK".

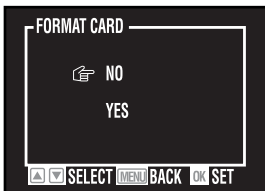


2 Select "Yes" or "No". And press "OK" to confirm the setting.

■ Formatting the Built-in Memory



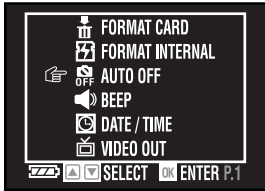
1 In the set up menu, select "Format Internal" and then press "OK".



2 Select "Yes" or "No". And press "OK" to confirm the setting.

■ Setting Power Saving Function

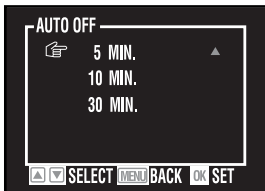
To save the battery power, the camera turns off automatically when it is not in use for 1~30 minutes.



1 In the set up menu, select "Auto Off" and then press "OK".



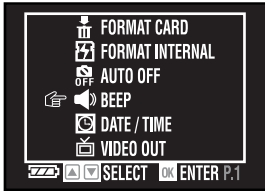
2 Select "Off", "1 Min", "2 Min", "3 Min", "5 Min", "10 Min", or "30 Min".



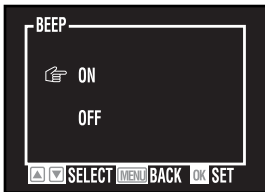
3 Press "OK" button to confirm the setting.

■ Setting Camera Sound

This function allows you to have beep sound effect when pressing the buttons.



- 1 In the set up menu, select "Beep" and then press "OK".



- 2 Select "On" or "Off".

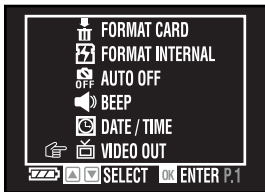
- 3 Press "OK" to confirm the setting.

■ Setting TV System

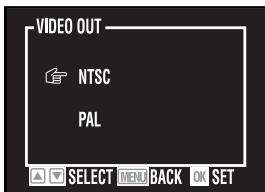
Both NTSC and PAL are TV's broadcast systems. The NTSC system is mainly used in U.S.A., Japan, Canada, Mexico, the Philippines, and Korea. The PAL system is used in the western Europe such as Germany, England, Switzerland, Holland, Italy (except for France) and Australia, Singapore, Thailand and China.

As these systems have no compatibility, you cannot watch an NTSC system based TV in an area where a PAL system is used.

This camera can switch the video output signal to both an NTSC system and a PAL system so you can watch the images on TV not only in your own country, but around the world.



- 1 In the set up menu, select "Video Out" and then press "OK" .



- 2 Select "NTSC" or "PAL".
- 3 Press "OK" to confirm the setting.

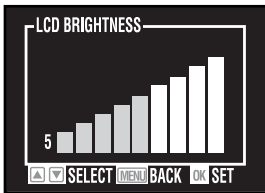
Note: Image will be black and white on the TV screen if you choose the wrong TV system.

■ Setting LCD Brightness

You can adjust the LCD brightness value here.



1 In the still menu, select " LCD brightness" and then press "OK".



2 Adjust the brightness value from 0~9 by using ▲▼ on the four-way key.

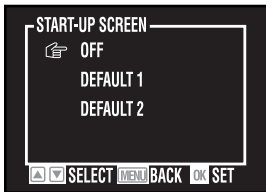
3 Press "OK" to confirm the setting.

■ Customizing Your Start-up Screen

This option allows you to choose the welcome screen displayed when you turn the camera on. The camera provides you with two default start-up screen.



- 1 In the set up menu, select "Start-up Screen" and then press "OK".

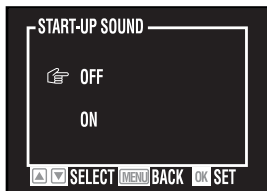


- 2 Select "Off", "Default 1", or "Default 2".
- 3 Press "OK" to confirm the setting.

■ Setting Start-up Sound



1 In the set up menu, select "Start-up Sound" and then press "OK".



2 Select "On" or "Off".

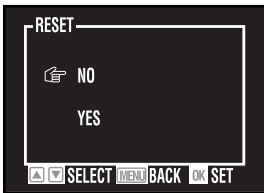
3 Press "OK" to confirm the setting.

■ Resetting Your Camera

You can restore the settings to default by using "Reset" function.



1 In the set up menu, select "Reset" and then press "OK".



2 Select "Yes" or "No".

3 Press "OK" to confirm the setting.

Setting	Default	Setting	Default
Image Size	2288 x 1720	Flash Mode	Off
Quality	Best	Self-timer	Off
Exposure Compensation	0.0	Slide Show Interval	3 Sec
Drive Mode	Single	Auto Off	3 Min
White Balance	Auto	Beep	Off
Exposure Area	Full Area	Video Out	NTSC
Focus Area	Central	LCD Brightness	5
ISO	Auto	Language	English
Sharpness	Normal	Start-up Screen	Default 1
Saturation	Normal	Start-up Sound	Off
Style	Normal		

Trouble Shooting

Problem	Possible Cause	Solution
The camera does not work	The power is off	Press the power button to turn it on
	The batteries are inserted incorrectly	Reload the batteries correctly
	The batteries are low or drained	Replace batteries with new ones
The camera does not take a picture when I press the shutter release button	The camera is not in shooting mode	Rotate the mode dial to shooting mode
	You did not press the shutter release button hard enough	Press the shutter release button all the way down
	The memory card is full	Replace another memory card, upload the images to a computer or delete all images
	The camera is still saving the last image you take	Wait until the camera finishes storing the image
	The flash is still recharging	Wait for a few seconds until the recharging is completed.
	The batteries are low	Replace batteries with new ones
	The built-in memory is full and you did not insert a memory card.	Upload the images to a computer, delete all images, or insert a memory card.

Problem	Possible Cause	Solution
The flash does not fire	The battery power is low	Replace batteries with new ones
	The flash is off	Switch to other flash modes
The images are blurry	The camera moves when you press the shutter release button.	Hold the camera steady or use a tripod when taking pictures
	The focus brackets are not positioned on the subject	Position the focus brackets on your subject
	Use macro mode to shoot subjects within normal focus, or vice versa	Set the camera to shoot in normal focus or macro focus and then take the picture again
	The light is low and the flash is off	Use a tripod, open up the aperture, and turn on the flash
	The lens is dirty	Clean the lens
The images are too bright	The flash is on when the subject is bright enough	Turn off the flash
	Too close to the subject when taking pictures with the flash on	Move back from the subject and take the picture again
	Light sources other than the flash provide too much light	Avoid pointing the camera to bright light sources and use exposure compensation
The images are too dark	The flash is off	Turn on the flash
	The subject is in dark	Turn on the flash

Specifications

Type

- Recording media exchangeable 3x zoom digital camera with LCD monitor.

Effective Pixels

- [Total] 4.1M pix
- [Image] 3.9M pix

Image Capture Unit

- Sensor : 1/2.5 inch-type interline CCD
- Image Size : 2288 x 1720
1600x1200
1280 x 960
640x480

Lens

- Focal length : f=5.6 - 16.8mm (35mm camera format
equivalent : 34 – 100mm)
- f/-number : F2.8/ F4.8 (Wide), F4.9/ F 8.4 (Tele)
- Distance : 0.5m-infinity
- Macro : 0.10m-0.5m (wide only)

Digital Zoom

- 2.0 x

Auto Focus (AF)

- Focusing type : TTL CCD AF
- AF sensing range : From EV 8 to EV 16
- AF area : Spot metering/ Central Metering

Viewfinder

- Real image optical viewfinder

Monitor

- 1.5", 71000 pixels Low power consumption LED type
- Frame coverage : approx. 85%

Shutter

- 1/2000[F4.8] - 2 sec., electro-mechanical and charge-coupled shutter plus aperture control.

Exposure

- Exposure mode Program mode
- Metering mode Spot metering/ Center- weighted metering.
- Exposure Compensation +/- 2.0 Ev (1/3 Ev Step)

Sensitivity

- ISO equivalent approximately 200, 400 or Auto

Self timer

- 3 or 10 sec with red eye indicator

Build-in Flash

- Auto control built-in type
- Range Wide: 0.5m – 3.0m
 Tele: 0.5 m – 2.5m

Storage

- Internal Memory 16 MB
- Media SD card
- Image file type DCF v1.0, Exif v2.0, DPOF v1.1,
 Motion JPEG

Specifications

I/O External

- DC input DC 5V adaptor (regular plug)
- Video output NTSC and PAL (selectable)
- PC connection Mini-plug type USB, mini USB connector for serial cable

Power Sources

- Li-ion batteries
- AC adaptor (DC 5 volt)

Dimensions

- Size 110mm x 56mm x 35mm
- Weight 160 grams (without batteries)

System Requirements: Windows

- CPU Pentium II or more
- Memory At least 32MB
- OS Windows 98 / Windows 98SE / Windows ME /
Windows 2000 / Windows XP
- Interface USB 1.1
- VGA color monitor
- CD-ROM

System Requirements: Macintosh

- Memory At least 32MB
- OS Mac OS 9 / 9.0.2 / 9.0.4 / 9.1 / 10.0
- Interface USB 1.1
- VGA color monitor

