



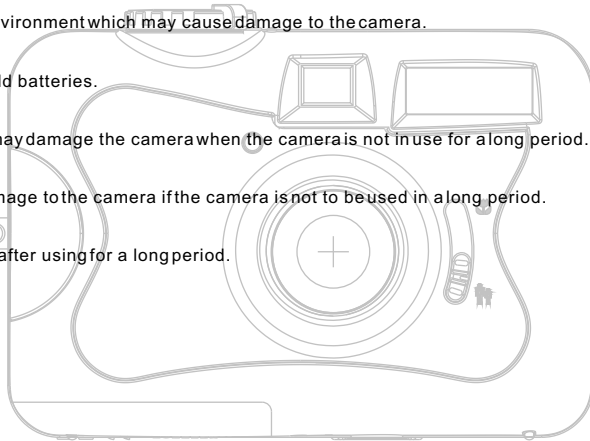
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Safety Notes

- Do not try to open the camera by yourself which may cause damage to the camera or electric shock.
- Do not fire the flash in a close distance (less than 1 meter) to human eyes.
- Keep the camera away from the reach of children or animals to prevent them from swallowing the batteries or small accessories.
- Avoid using the camera if any form of liquid enters the camera. If it happens, switch off the camera and contact the company that you bought this camera from for help.
- Do not operate this camera with wet hands which may cause electric shock.
- Do not place or store the camera in a high temperature environment which may cause damage to the camera.
- Do not mix to use different types of batteries or new and old batteries.
- Take out the batteries to avoid electricity leakage which may damage the camera when the camera is not in use for a long period.
- Unplug the camera from the adapter (if used) to avoid damage to the camera if the camera is not to be used in a long period.
- It's normal that the temperature of the camera body rises after using for a long period.

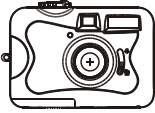




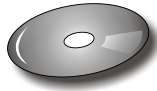
Overall Introduction

Accessories

Digital Camera



Camera Driver
& Ulead Software



2 x AA Batteries



Camera Pouch



User Manual



Quick Start
Guide



USB Cable



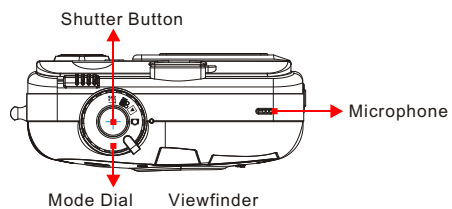
Wrist Strap



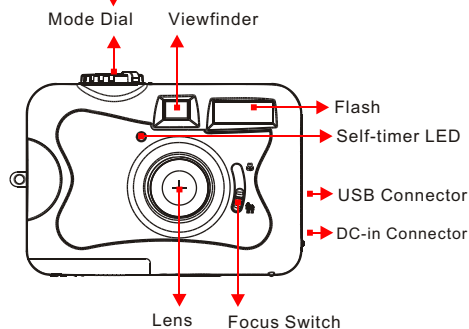
Overall Introduction

External View

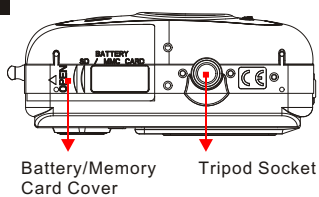
Top



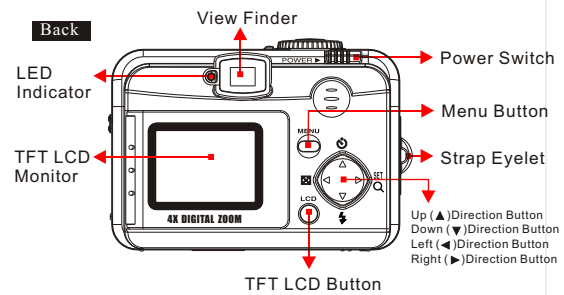
Front



Bottom



Back

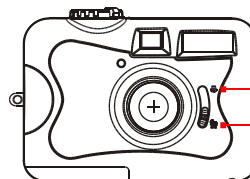


Mode Dial (Working Mode)



- ▶ Shooting Mode ()
- ▶ Playback Mode ()
- ▶ Movie Clip Mode ()
- ▶ Setup Mode ()

Focus Range



- ▶ Macro () : 0.3m
- ▶ Normal () : 1.4m~infinity



Overall Introduction

Icon Display

1 Photo Frame

2 Voice Memo

3 Working Mode
 (S) Shooting mode
 (P) Playback mode
 (M) Movie clip mode
 (SET) Setup mode

4 Digital Zoom

5 Focus Range
 (M) Macro

6 Battery Status
 (Full) Battery full
 (Half) Battery half drained
 (Empty) Battery drained

7 Memory Card

8 Exposure

9 Date

10 Image Size
 (6M) 2560x1920
 (4M) 2048x1536
 (3M) 1600x1200
 (2M) 1280x960

11 Image Quality
 (S) Super fine
 (F) Fine
 (N) Normal

12 White Balance
 (Auto) Auto
 (Daylight) Daylight
 (Sunset) Sunset
 (Fluorescent) Fluorescent
 (Tungsten) Tungsten

13 Flash Mode
 (Auto) Auto flash
 (Red-eye) Auto flash with red-eye reduction
 (Slow Sync) Slow Sync
 (Flash off) Flash off

Icon Index Table

Working Mode				SET	
Focus Range					
Flash Modes					
Digital Zoom					
Thumbnails					
Self-timer					
Movie Clip					
Memory Card Inside					
Battery Status					
Image Size (Resolution)					
Image Quality					
White Balance	AUTO				
Exposure					
Voice Memo					
Protected Image					
Print (DPOF)					
Darkness Warning					
Photo Frame					
Processing					



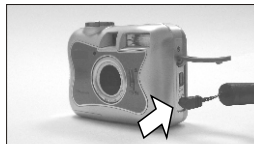
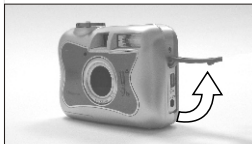
Getting Ready

Switch On or Off the Camera



Slide the "POWER" switch sideways and hold it awhile to switch on the camera. Repeat the action above to switch off the camera.

Using an AC Adapter



1. Check if the camera is switched off.
2. Make sure the AC adapter is 3.3V/2.0A.
3. Connect the AC adapter connector with the DC-in socket on the camera.
4. Connect the adapter itself with the power outlet.
5. Switch on the camera.

Loading the Batteries



1. Check if the camera is switched off.
2. Slide the Battery / Memory Card Cover out to open it.
3. Load 2x AA batteries into the battery chamber, following the polarity indication.
4. Close the Battery / Memory Card Cover.

Note

The below symbols on the TFT LCD Monitor are the indication of the battery status.

- (Full): Battery power is full.
 (Half): Battery power is half drained. Have new batteries ready.
 (Empty): Battery power is drained. Replace the batteries you are using now.

Note

Please refer to the suggested battery shown below to ensure the normal operation of the camera.

Brand	Type
Duracell(Ultra)	Alkaline

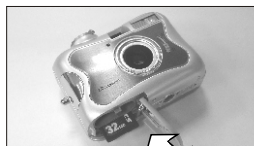


Getting Ready

Note

- Batteries may lose power if kept inside the camera for a long time without using. Please remove the batteries while the camera is not in use.
- Do not use manganese batteries since they cannot supply sufficient power to support the camera's operation.
- Batteries may not work normally under 0°C.
- It's normal that the temperature of the camera body goes up after being in use for a long period.
- Long time use is suggested to use an AC adapter.
- In order to avoid any damage caused by bad quality AC adapters, please contact the original company, selling you the camera.
- If the battery power is drained, please load two new AA batteries within 15 minutes. Otherwise, the date and time will be changed.

Inserting or Removing an SD Card



- Switch off the camera.
- Open the Battery / Memory Card Cover.
- Insert the SD card into the card slot and press it down until a click sound happens.
- Close the Battery / Memory Card Cover.

Note

If a new SD card is used, you are required to format it first. Please refer to page 18 for the details.

Note

The image(s) can be stored either in built-in flash memory or in memory card. Only if the memory card is inserted, the images will be stored in the memory card rather than the built-in flash memory. On the other hand, the images will be stored in the built-in flash memory only if a memory card is not inserted.

Attaching the Wrist Strap



8



Getting Started

Basic Photography

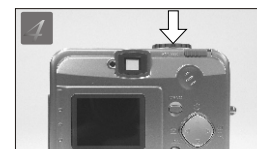
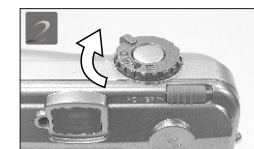
- Switch on the power.
- Set the Mode Dial at Shooting Mode (📷) for still image or Movie Clip Mode (📹) for video recording.
- The setting of the focus range for still image capture is required as follows

- Macro (🔍) : 0.3m
- Normal (📷) : 1.4m~infinity

- Refer to the next section -- Advanced Functionality Settings (page 10) to set up the features based on your needs.
- Hold still and press down the Shutter Button.
- The LED Indicator starts blinking right after the Shutter Button is released.
- Once the LED Indicator stops blinking, you are ready to take another shot.

Note

A message of "Low Light!" appearing on the TFT LCD Monitor as a warning is to remind you that the image that you are going to capture is under a low light environment. To compose a good quality image, it is strongly recommended to go to the Flash Mode and select Auto Flash to supply more light sources.



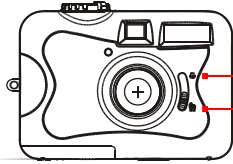
9



Advanced Functionality Settings

Under Shooting Mode (📷)

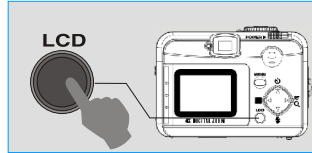
Setting Focus Range



Macro (📷) : 0.3m

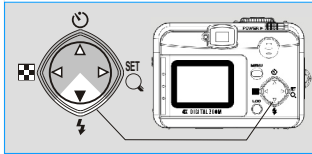
Normal (📷) : 1.4m-infinity

Turning On or Off the TFT LCD Monitor (Default: On)



► You can change the icon display on the TFT LCD Monitor, turn it off, and turn it on again by pressing the LCD button in order.

Setting Flash Mode (Default: Auto Flash)



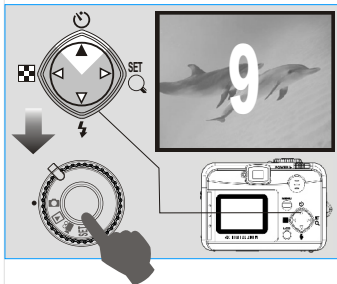
► You can change the flash mode shown below according to the environment.

	Auto Flash	The flash fires automatically as required under shooting mode.
	Auto Flash with Red-eye Reduction	To avoid the subject's eyes appear red in the picture, use this mode can effectively minimize the likelihood of the red-eye effect.
	Slow Sync	The flash will flash and the exposure time is set to 1/4 second so that the subject in the foreground and background are properly exposed.
	Flash Off	The mode will disable the flash to fire in any circumstances.



Advanced Functionality Settings

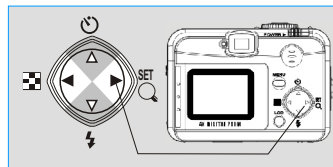
Setting Self-timer (Default: OFF)



► The self-timer starts with the countdown for 10 seconds.

► The self-timer will be automatically cancelled once the shoot is done.

Setting Digital Zoom (4X continuous)

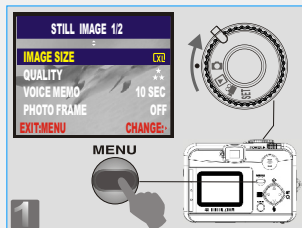


► The zoom bar, appearing on the left on the TFT LCD monitor, shows the current digital zoom position.

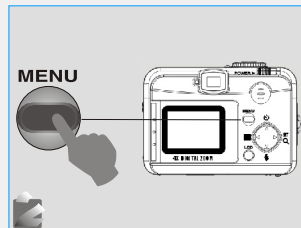
Note

Generally speaking, the digital-zoom image quality, compared with non-digital-zoom, always decreases sharpness.

Note



► For the following settings from page 12 to page 15, please rotate the mode dial to the SHOOTING MODE and press the MENU key to enter the advanced settings.

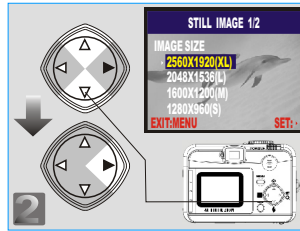
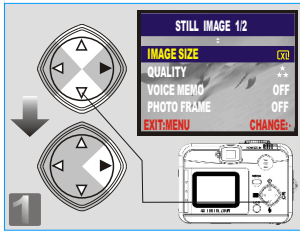


► If you would like to exit the setting, please press the MENU key again.



Advanced Functionality Settings

Setting Image Size (Default: 2048x1536)



Note

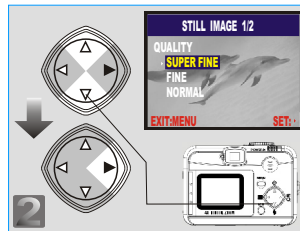
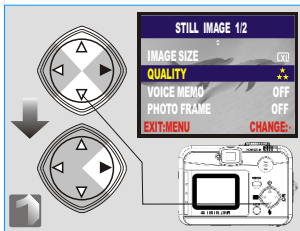
Four resolutions provided can be selected as follows:

- (XL) 2560 x 1920 (XL)
- (L) 2048 x 1536 (L)
- (M) 1600 x 1200 (M)
- (S) 1280 x 960 (S)

Note

You can easily check whether the setting is changed or not by the resolution icon display on the right side of the LCD screen. If not, please repeat the above steps.

Setting Image Quality (Default: FINE)



Note

Three levels of image quality can be selected as follows:

- (★) Super Fine
- (★★) Fine
- (★) Normal

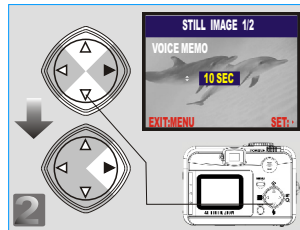
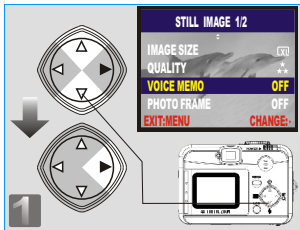
Note

The better the image quality is set, the less the number of images can be stored in the built-in flash memory or the memory card.



Advanced Functionality Settings

Setting Voice Memo (Default: OFF)



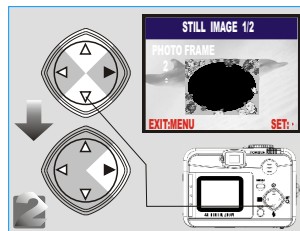
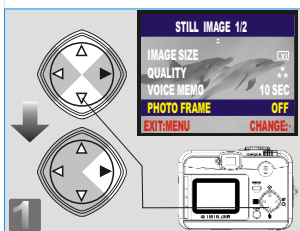
Note

With the Voice Memo, you can view the icon (🎤) on the TFT LCD Monitor.

Note

With the Voice Memo, the audio is stored in WAV file format. So you can download both of the image in JPG and the Voice Memo in WAV on PC.

Setting Photo Frame (Default: OFF)



Note

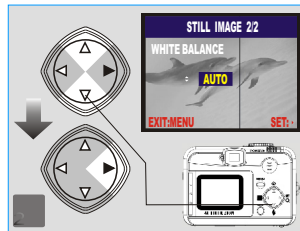
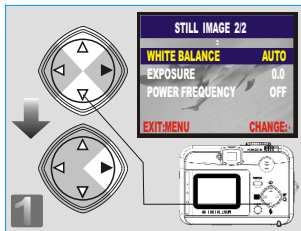
Photo Frame function allows you to add a designed digital photo frame on the picture you shoot. Three frame options are provided as follows.





Advanced Functionality Settings

Setting White Balance(Default: AUTO)



Note

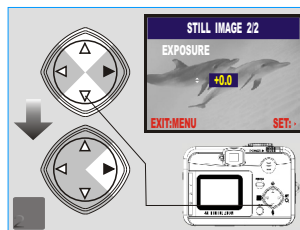
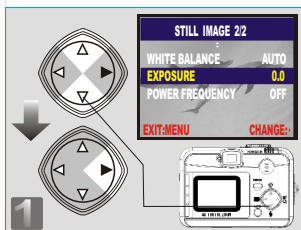
Five White Balance modes can be selected as follows:

AUTO	Auto	Adjusting the white balance automatically
☀	Daylight	Under strong light environment
🌅	Sunset	Under sunset light environment
💡	Fluorescent	Under fluorescent light environment
💡	Tungsten	Under tungsten light environment

Note

It is suggested to stay AUTO mode for beginners.

Setting Exposure (Default: ±0)



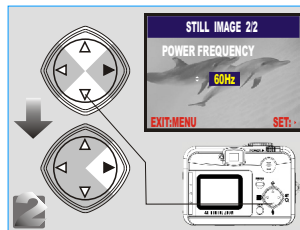
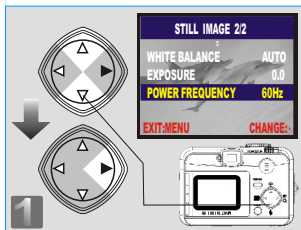
Note

The higher the value is, the brighter the image will be.



Advanced Functionality Settings

Setting Power Frequency(Default : 60Hz)



Note

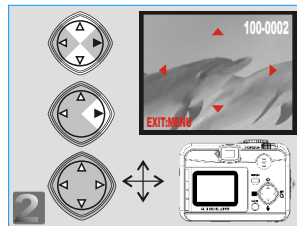
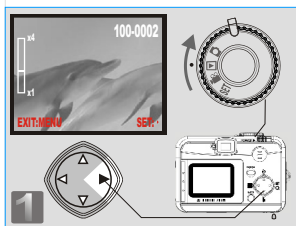
Due to the provided power frequency varies by region, please set up the frequency in accordance with your regional standard.

The following suggestions are for your reference.

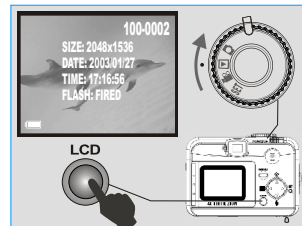
1. 50 Hz: Europe, China
2. 60 Hz: Taiwan, United States
3. OFF

Under Playback Mode(▶)

Exploring an Image



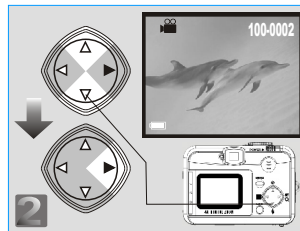
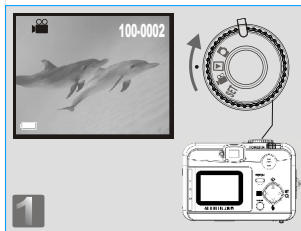
Displaying an Image Information





Advanced Functionality Settings

▶ Playback of a Movie Clip



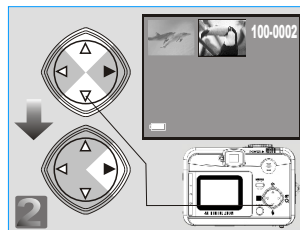
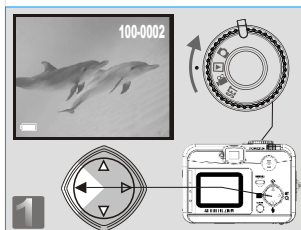
Note

Press Up (▲) and Down (▼) Direction Button to search for the movie clip you record and press Right (▶) Direction Button to play the movie clip.

Note

You can press Right (▶) Direction Button to pause the playback and repress to cancel it.

▶ Thumbnail Images (Small Images) Display



Note

Press Up (▲) and Down (▼) Direction Button to search for the images or movie clips and press Right (▶) Direction Button to see the movie clip.

Note

The appearance of icon of (🎞️) represents a movie clip, not a still image.

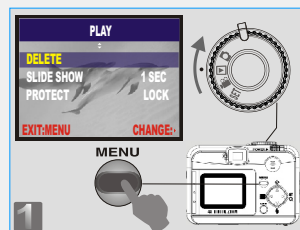
Note

The appearance of icon of (🗣️) represents a still image with voice memo.

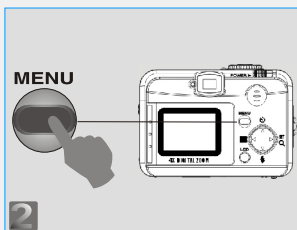


Advanced Functionality Settings

Note

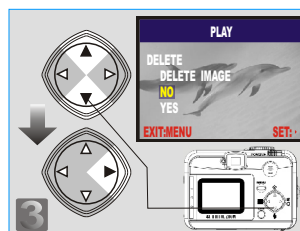
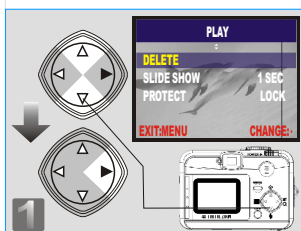


▶ For the following settings from page 17 to page 19, please rotate the mode dial to the Playback MODE and press the MENU key to enter the advanced settings.



▶ If you would like to exit the setting, please press the MENU key again.

▶ Deleting Image(s)





Advanced Functionality Settings

Formatting an SD Card

Please insert an SD Card in advance.

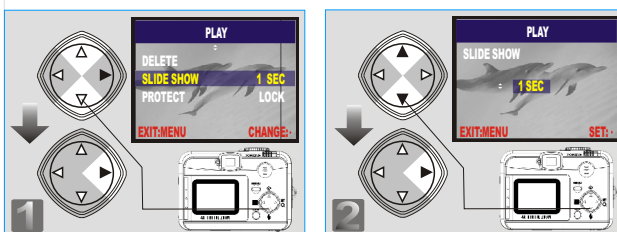
Refer to page 17 and follow the steps, selecting "FORMAT" in step 3, "YES" in step 4.

Formatting the Built-in Flash Memory

Please make sure no memory card is inserted.

Refer to page 17 and follow the steps, selecting "FORMAT" in step 3, "YES" in step 4.

Setting Slide Show (Default : 1SEC)

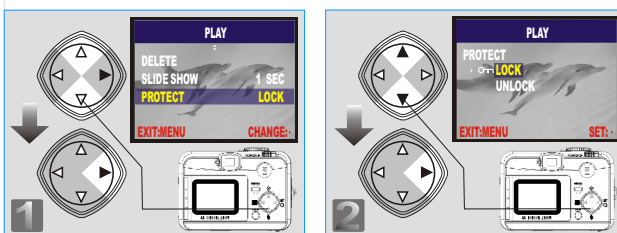


18



Advanced Functionality Settings

Setting Image Protection



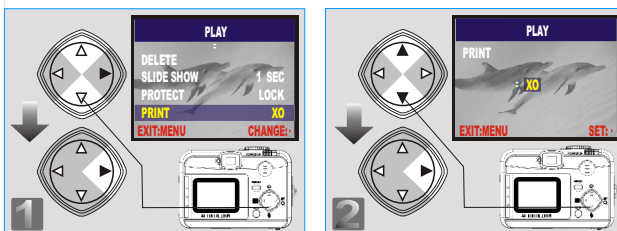
Note

After the above steps are done, please check if the (LOCK) is shown on the left side of the TFT LCD screen. If it is not shown please repeat the above steps.

Note

For cancelling this "PROTECT" function, please repeat the steps above and select "UNLOCK" instead.

Printing Out Images without a PC (Default: X0)



Note

You cannot see the "PRINT" function on the TFT LCD Monitor if a memory card is not inserted.

Note

After the above steps are done, please check if the (PRINT) is shown on the left down corner. If it is not shown, please repeat the steps.

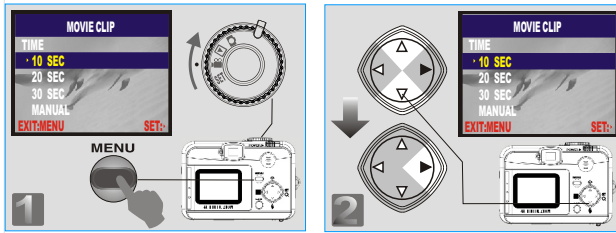
19



Advanced Functionality Settings

Under Movie Clip Mode ()

Setting the Recording Time of a Movie Clip (Default : 10 SEC)



Note

1. Once the Shutter Button is pressed, the camera will start and end the recording automatically according to the time you select.
2. If "Manual" is selected, press the Shutter Button to start the recording or press the Shutter Button again to stop the recording.

Note

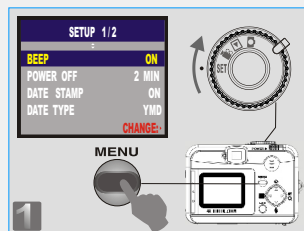
The TFT LCD Monitor will show "Low Light!" as a warning to remind you that the video that you are going to record is in a low light environment.

Note

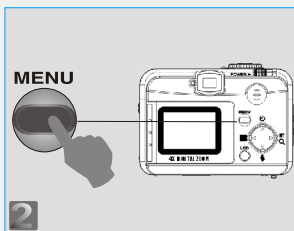
Please press MENU to exit the setting.

Under Setup Mode (SET)

Note



► For the following settings from page 21 to page 22, please rotate the mode dial to the SETUP MODE and press the MENU key to enter the advanced settings.

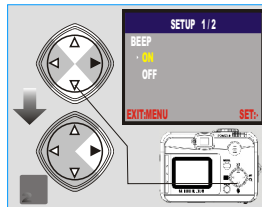
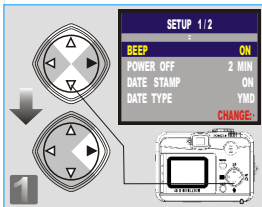


► If you would like to exit the setting, please press the MENU key again.

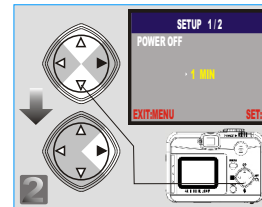
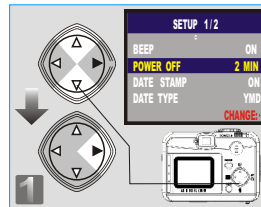


Advanced Functionality Settings

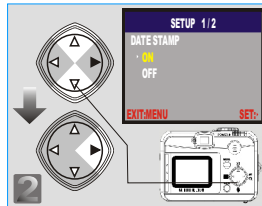
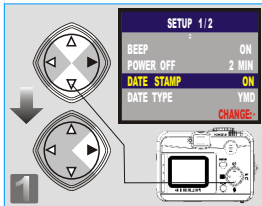
Setting Beep Sound (Default: ON)



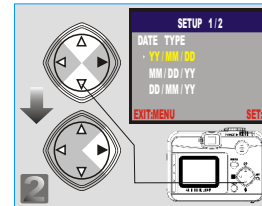
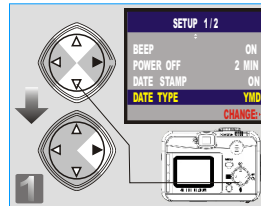
Setting Auto Power Off (Default: 2 MIN)



Setting Date Stamp (Default : ON)



Setting Date Type



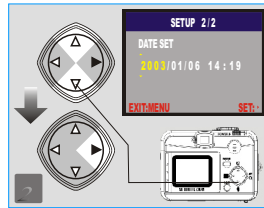
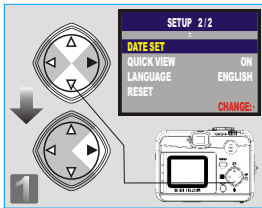
Note

If "ON", the date in this image can be printed out.

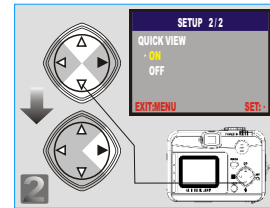
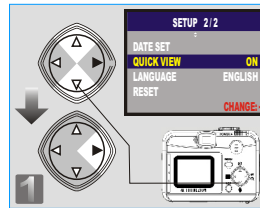


Advanced Functionality Settings

Setting Date



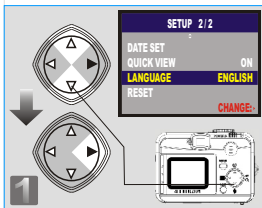
Setting Quick View



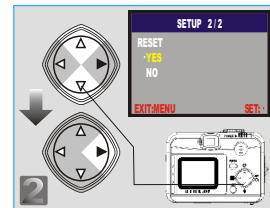
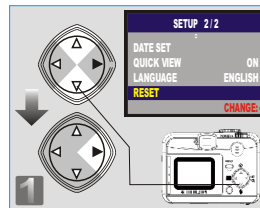
Note

This can allow you to view the image on the TFT LCD Monitor right after you take a picture.

Setting Language



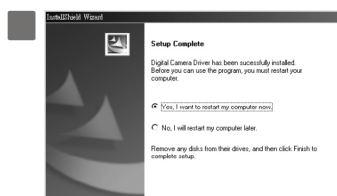
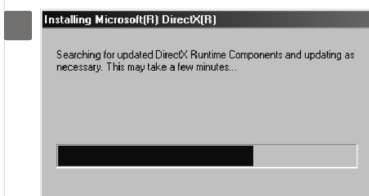
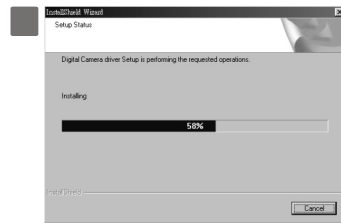
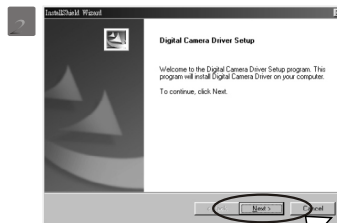
Default Setting



PC Connection

Installing the Camera's Driver

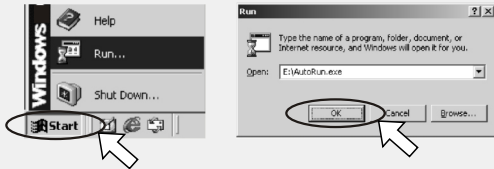
Under Microsoft Windows 98/98SE





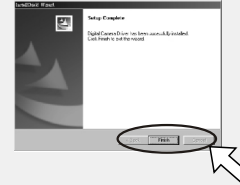
PC Connection

Note



If the auto run program fails under certain situation, please go to the Start Menu, click "Run" and key in "CD-ROM Drive:\AutoRun.exe" and then click "OK" Button.

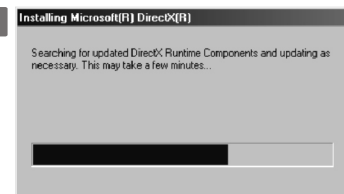
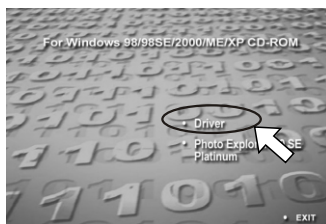
Note



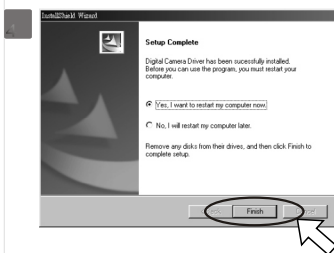
If the computer has DirectX 8.0 or later already, the installation procedure will skip above step 4 and go to the following window directly completing the driver installation.

Under Microsoft Windows 2000

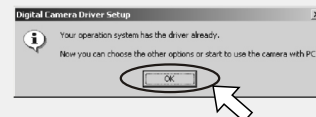
1



PC Connection

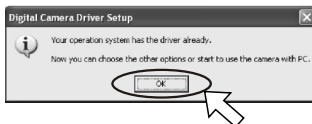


Note



Having DirectX 8.0 or later already, the computer will skip the installation procedure from step 2 above and go to the following window directly. Please complete the driver installation with a "OK" Click.

Under Microsoft Windows ME /XP



The camera's driver is not required under Windows ME and Windows XP. So, go to page 26 for installation of Ulead Photo Explorer, or go to page 30 to download the stored image(s) onto the PC. Please click "OK", if the below window prompts.

Under Mac 9.X or later

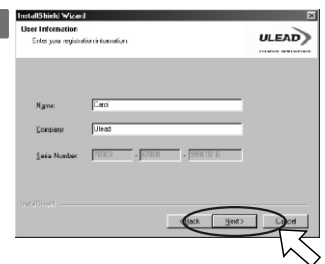
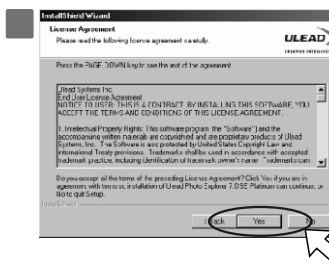
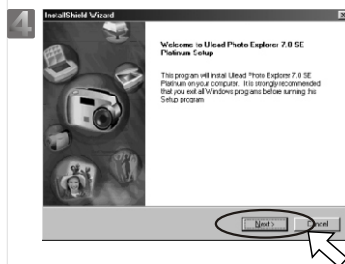
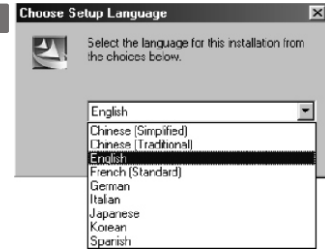
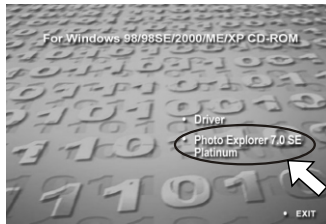
This camera, supporting only Mac 9.X or later versions, allows you not to install any driver. Please go to page 28 for installation of Ulead Photo Explorer or go to page 31 to download the stored images onto the PC.



PC Connection

1 Installing Ulead Photo Explorer

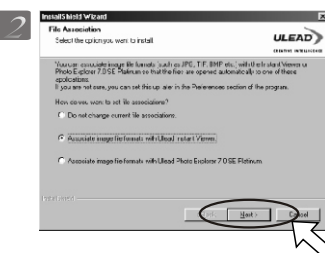
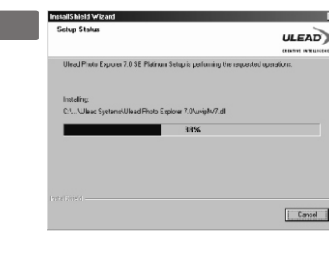
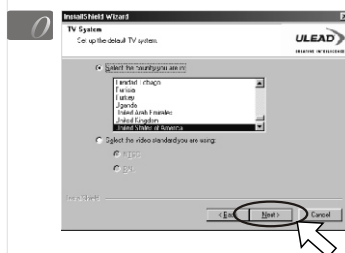
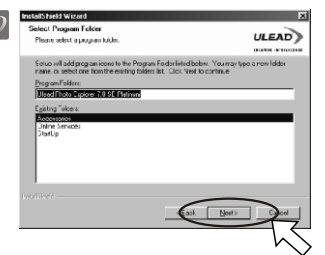
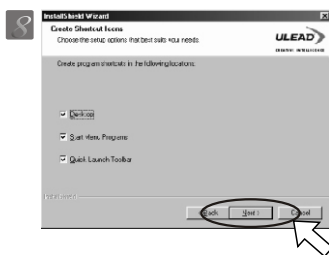
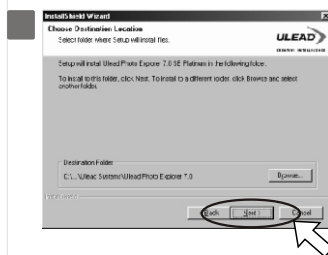
2 Under Windows Operating System (Windows 98/98SE/2000/ME/XP)



26



PC Connection



27



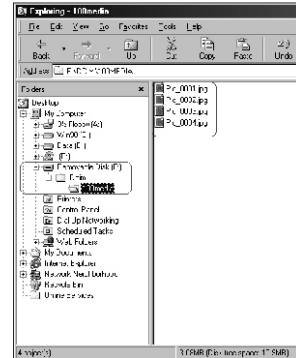
PC Connection

Downloading the Image(s)

Under Windows Operating System (Windows 98/98SE/2000/ME/XP)

Downloading Image(s) From Removable Disk

1. Turn on the PC.
2. Switch on the camera.
3. Connect the camera to the PC with USB cable under any working mode. Please make sure the USB cable is well connected to the PC and camera.
4. When the USB cable is connected to the PC, it will create a new hard disk named Removable Disk .
5. The stored "image(s)" can be found in "Removable Disk\DCIM\100media .
6. View the image with double-clicks.



Downloading Image(s) Through Ulead Photo Explorer

1. Connect the camera to the PC with USB cable under any working mode. Please make sure the USB cable is well connected to the PC and camera.
2. Start Ulead Photo Explorer 7.0 SE Platinum .
3. Click "File\Download From Memory Card" to get the stored image(s).

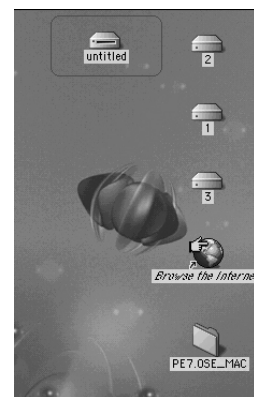


PC Connection

Under Macintosh Operating System (Mac 9.X or later)

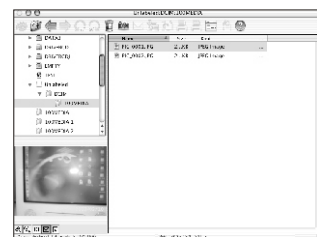
Downloading Image(s) From Removable Disk

1. Turn on the PC.
2. Switch on the camera.
3. Connect the camera to the PC with USB cable under any working mode. Please make sure the USB cable is well connected to the PC and camera.
4. When the USB cable is connected to the PC, it will create a new icon named "untitled" on the desktop.
5. Double click on the icon.
6. The stored image(s) can be found in the folder of DCIM\100MEDIA\.
7. View the image with double-clicks.



Downloading Image(s) Through Ulead Photo Explorer

1. Turn on the PC and switch on the camera. Connect the camera to the PC with USB cable and a new disk such as "Unlabeled" will be created automatically.
2. Start with Ulead Photo Explorer 7.0 SE Platinum . The stored image(s) can be found in the folder of DCIM\100MEDIA\ . Please view the image(s) with double-clicks.





Appendix

Error Message Table

Messages	Causes	Solutions
CARD FULL	There is insufficient card memory capacity to store an image.	Delete the stored image(s) in the memory card or insert a new memory card.
MEMORY FULL	There is insufficient internal memory capacity to store an image.	Delete the stored image(s) in the flash memory.
CARD LOCKED (ICON BLINKING)	The SD card is under protection.	Set the card protection switch at non-protection position.
LOCK	The Image can't be deleted under protection.	Unlock the protected image.
NO IMAGE	There is no image stored in the memory card or built-in flash memory.	Please take pictures or record movie clips.
FILE ERROR	File format error.	Insert a new SD/MMC card or format the media.
MEMORY ERROR	Memory is damaged or failed.	Format the media.
CARD ERROR	Card is damaged or failed.	Insert a new SD/MMC card
LOW BATTERY ! (ICON BLINKING)	Battery power is drained.	Insert new batteries.
HAND SHAKE ICON ()	The environment is too dark in "Flash Off" mode.	Cancel the Flash off mode.



Appendix

Specifications

Image Sensor	Type	1/2" CMOS sensor
	Effective Pixels	Approx. 3.14 Mega pixels
	Total Pixels	Approx. 3.2 Mega pixels
Lens	Focal Length	f=11.1 mm (35mm film equivalent : 48mm)
	F Number	F3.5
	Digital Zoom	Capture Mode: 4x (continuous) Play Mode: 4x (continuous)
LCD Display		1.6" color TFT LCD (85k pixels)
Viewfinder	Optical Viewfinder	Optical virtual image viewfinder
Focusing	Type	Fixed Focus with two steps manual adjustment
	Range	Macro: 0.3 m, Normal: 1.4 m-infinity
Shutter	Type	Mechanical shutter and electronic shutter
	Speed	1/4 - 1/1000 sec.
Exposure	Control	Programmed AE
	Compensation	± 2EV (0.5EV / steps)
	ISO Equivalent	Auto (100-200)
Flash	Modes	Auto / Auto & Red - eye reduction / Slow Sync / Flash off
	Range	0.2 ~ 3.0m
	Recharging	Approx.: 6 - 10sec.
White Balance		Auto / Daylight / Fluorescent / Tungsten / Sunset
Shooting	Still Image	Modes: Single image
	Live View	20 fps for 320x240 with normal light level
	Movie Clip	Size: 320x240 ≤ 15fps with audio
		Recording time: 10~30 sec. (10sec./ steps) and Manual
Self-timer		10 seconds with LED indicator

Storage	Media	Internal memory: 16MB flash memory External memory: Supporting SD card
	File Format	Still Image: JPEG EXIF, DCF, DPOF Movie Clip: AVI with wave sound
	Image Size	Extra-Large: 2560x1920 via interpolation Large: 2048x1536 Medium: 1600x1200 Small: 1280x960
Image Play		Single image / AVI play / Thumbnails / Slide show
Interface		Digital output connector: USB 1.1 MIC-in DC power input connector: 3.3V/2.0A
Power Source		2 pcs of AA alkaline / 2 pcs of Ni-MH AC adapter (Optional)
Dimensions (WxHxD)		94 x 66 x 36.8 mm
Weights		130g
Software	Camera Driver	Mass Storage Driver (Windows 98/98SE/2000/ME/XP) (Mac OS 9.x or later)
	Application	Ulead PhotoExplorer 7 PhotoExplorer 2 (MAC version)
System Requirements		
For Windows (Windows 98/98SE/2000/ME/XP)	CPU: better than MMX Pentium 233MHz (XP: Pentium II 300MHz) Minimum 32MB RAM (XP: 128MB) 110MB of available hard-disk space USB port, CD-ROM drive 800x600 pixels, 16-bit color display compatible monitor (24-bit color display recommended)	
For Macintosh	Power Mac G3 or later / Mac OS 9.X or later Minimum 64MB RAM / 110MB of available hard-disk space USB port, CD-ROM drive QuickTime 4.0 or later for Movie Clip	



Appendix

▣ About Ulead Photo Explorer

▣ Software license

The software described in this document is furnished under a License Agreement which is included with the product. This Agreement specifies the permitted and prohibited uses of the product.

▣ Licenses and trademarks

ICI Library 1991-1992 C-Cube Microsystems. Ulead Systems, Inc. And the Ulead logo are trademarks of Ulead Systems, Inc. All other product names and any registered and unregistered trademarks mentioned in this manual are for identification purposes only and remain the exclusive property of their respective owners.

▣ Technical supports

Registered users are entitled to Ulead technical support. Our Web site has valuable up-to-date information about Photo Explorer, other Ulead products, and free downloads. Visit our Web site at www.ulead.com, or send an e-mail at support@ulead.com.tw.

Headquarters: Ulead Systems, Inc.

[Http://www.ulead.com.tw](http://www.ulead.com.tw)
E-mail: info@ulead.com.tw

Japan: Ulead Systems, Inc.

[Http://www.ulead.co.jp](http://www.ulead.co.jp)
E-mail: info@ulead.co.jp

Europe: Ulead Systems GmbH

<http://www.ulead.de>
<http://www.ulead.co.uk>
<http://www.ulead.co.uk/fr>
E-mail: info@ulead.de

North & South America: Ulead Systems, Inc.

[Http://www.ulead.com](http://www.ulead.com)
E-mail: info@ulead.com

Asia-Pacific: Ulead System, Inc.

[Http://www.asiapac.ulead.com](http://www.asiapac.ulead.com)
E-mail: info@asiapac.ulead.com

China: Ulead Systems, Inc.

[Http://www.ulead.com.cn](http://www.ulead.com.cn)
E-mail: info@ulead.com.cn



Appendix

▣ System requirements

Before installing Photo Explorer, make sure your computer meets these requirements:

- Intel® Pentium® processors (or 100% compatible processors)
- Microsoft Windows® 95/98, NT 4.0, 2000 or higher
- 32 MB RAM (or more)
- 17.8 MB available hard drive space for program files
- True Color or HiColor display adapter and monitor (recommended)
- 800 X 600 minimum display resolution
- Windows compatible pointing device
- Microsoft Internet Explorer 4.0 or higher
- Internet connection (recommended)
- 16-bit or better sound card and speakers (recommended)
- DirectX 6.0 or higher (for video functions only)