

TRAVELER**WARRANTY**

Sender: Please use block CAPITAL letters

Surname

First name

Street

Town

Post code

Telephone number with STD code

Date / signature of customer

**SUPRA**

Foto-Elektronik-Vertriebs GmbH

Denisstraße 28 A

D-67663 Kaiserslautern

Germany

Telephone 00 800 - 78 77 23 68

Fax 00 49 6 31 - 3 51 99 49

WHAT YOUR 3 YEAR WARRANTY MEANS:

Great care has gone into the manufacture of this product and it should therefore provide you with years of good service when used properly. In the event of product failure within its intended use over the course of the first 3 years after date of purchase, we will remedy the problem as fast as possible once it has been brought to our attention. In the unlikely event of such an occurrence, or if you require any information about the product, please contact us via our helpline support services, details of which are to be found both in this manual and on the product itself.

READ THIS FIRST

Trademark Information

- Microsoft® and Windows® are U.S. registered trademarks of Microsoft Corporation.
- Pentium® is a registered trademark of Intel Corporation.
- Macintosh is a trademark of Apple Computer, Inc.
- SD™ is a trademark.
- Photo Explorer and Photo Express are trademarks.
- Other names and products may be trademarks or registered trademarks of their respective owners.

Product Information

- Product design and specifications are subject to changes without notice. This includes primary product specifications, software, software drivers, and user's manual. This User Manual is a general reference guide for the product.
- The illustrations in this manual are for the purpose of explanation and may differ from the actual design of your digital camera.
- The manufacturer assumes no liability for any errors or discrepancies in this user manual.
- For user manual and driver updates, refer to our website or contact our helpline.

SAFETY INSTRUCTIONS

Read and understand all **Warnings** and **Cautions** before using this product.

Warnings

If foreign objects or water have entered the camera, turn the power OFF and remove the batteries.

Continued use in this state might cause fire or electric shock. Refer to our website or contact our helpline.



If the camera has fallen or its case has been damaged, turn the power OFF and remove the batteries.

Continued use in this state might cause fire or electric shock. Refer to our website or contact our helpline.



Do not disassemble, change or repair the camera.

This might cause fire or electric shock. For repair or internal inspection, refer to our website or contact our helpline.



Do not use the camera in areas near water.

This might cause fire or electric shock. Take special care during rain, snow, on the beach, or near the shore.



Do not place the camera on inclined or unstable surfaces.

This might cause the camera to fall or tilt over, causing injury.



Keep the batteries out of the reach of children.

Swallowing batteries might cause poisoning. If the battery is accidentally swallowed, immediately consult a physician.



Do not use the camera while you are walking, driving or riding a motorcycle.

This might cause you to fall over or result in a traffic accident.



Cautions

Insert the batteries paying careful attention to the polarity (+ or -) of the terminals.

Inserting the batteries with polarities inverted might cause fire and injury, or damage to the surrounding areas due to the battery rupturing or leaking.



Do not fire the flash close to anyone's eyes.

This might cause damage to the person's eyesight.



Do not subject the LCD monitor to impact.

This might damage the glass on the screen or cause the internal fluid to leak. If the internal fluid enters your eyes or comes into contact with your body or clothes, rinse with fresh water. If the internal fluid has entered your eyes, consult a physician to receive treatment.



A camera is a precision instrument. Do not drop it, strike it or use excessive force when handling it.

This might cause damage to the camera.



Do not use the camera in humid, steamy, smoky, or dusty places.

This might cause fire or electric shock.



Do not remove the battery immediately after long periods of continuous use.

The battery becomes hot during use. Touching a hot battery might cause burns.



Do not wrap the camera or place it in a cloth or blankets.

This might cause heat to build up and deform the case, resulting in fire. Use the camera in a well-ventilated place.



Do not leave the camera in places where the temperature may rise significantly, such as inside a car.

This might adversely affect the case or the parts inside, resulting in fire.



Before you move the camera, disconnect cords and cables.

Failure to do so might damage cords and cables, resulting in fire and electric shock.



Notes on Battery Usage

When you use the battery, carefully read and strictly observe the **Safety Instructions** and the notes described below:

- Different battery types and surrounding temperatures may affect the battery performance.
- Avoid using batteries in extremely cold environments as low temperatures can shorten the battery life and reduce camera performance.
- The battery may feel warm when using the camera for an extended period of time or using the flash continuously. This is normal and not a malfunction.
- The camera may feel warm when being used continuously or for an extended period of time. This is normal and not a malfunction.
- If you will not be using the batteries for an extended period of time, remove them from the camera to prevent leakage or corrosion.
- Never use batteries of different types (together) or mix old and new batteries.
- Always keep the terminals in a clean state.
- Risk of explosion if battery is replaced by an incorrect type.
- Dispose of used batteries according to the instructions.

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INTRODUCTION

Thank you for purchasing this new digital camera!

Equipped with a 5.0 Megapixels CMOS sensor, your camera delivers good quality, 3264 x 2448 resolution images. Other features provided by this camera include the following:

- **5.0 Megapixels**
A high-resolution CMOS sensor provides 5.0 megapixels for good quality of images.
- **Auto flash**
An auto flash sensor automatically detects the shooting (lighting) conditions and determines whether the flash should be used.
- **2.0" LTPS color image LCD monitor**
- **Digital zoom: 1x-4x**
- **16MB internal (built-in) memory (15MB available for image storage)**
Images can be captured without using a memory card.
- **Supports SD memory card for memory expansion**
You may wish to expand the memory capacity (up to 2GB capacity) by using an additional SD memory card.
- **USB connection (USB 2.0 compliant)**
Still images, video clips, or audio files that you have recorded can be downloaded to your computer using the USB cable.
- **Digital Print Order Format**
DPOF can be used to print your images on a DPOF compatible printer by simply inserting the memory card.
- **Scene mode**
You may select a previously set recording mode for the following situations: Auto, Sport, Night, Portrait, Landscape and Backlight.
- **Provided editing software: Photo Explorer / Photo Express**
You can enhance and retouch your images on your computer by using the provided editing software.

Package Contents

Carefully unpack your kit box and ensure that you have the following items. In the event that any item is missing or if you find any mismatch or damage, promptly contact our helpline or website as soon as possible.

Common Product Components:

- Digital Camera
- Camera Strap
- Camera Pouch
- 4 x NI-MH Batteries
- 256 MB SD CARD
- User's Manual
- USB Cable
- Tripod
- Battery charger
- Driver CD & Picture editing software

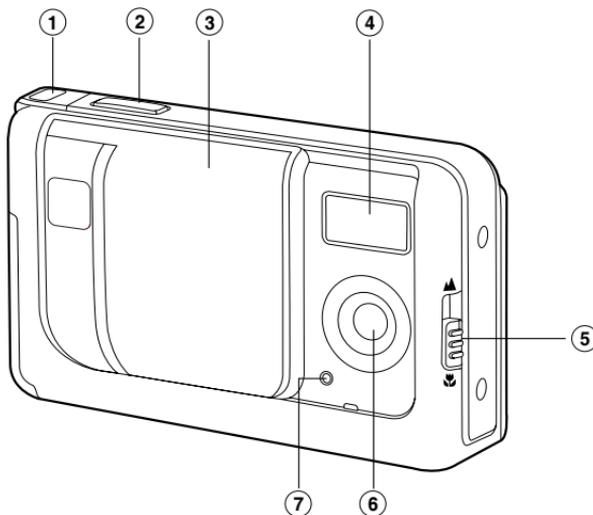


NOTE

- Contact our helpline or website as soon as possible.

GETTING TO KNOW YOUR CAMERA

Front View



1. Strap holder

2. Shutter button

3. Lens cover

4. Flash

5. Focus switch

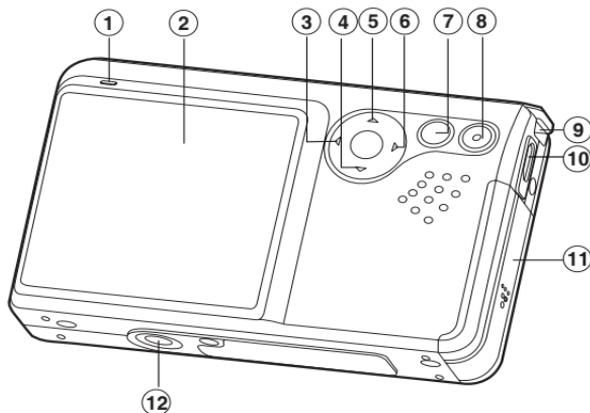
 Macro mode

 Normal mode

6. Lens

7. Self-timer indicator

Rear View



- | | |
|--------------------------|-----------------------------|
| 1. Status LED | 6. ► Arrow button (Right) |
| 2. LCD monitor | ⚡ Flash button |
| 3. ◀ Arrow button (Left) | 7. OK OK button |
| ⌚ Self-timer button | Q Digital Zoom button |
| 4. ▼ Arrow button (Down) | 8. ▶ Playback button |
| MODE button | 9. Strap holder |
| 5. ▲ Arrow button (Up) | 10. PC (USB) terminal |
| MENU button | 11. Battery / SD card cover |
| | 12. Tripod socket |

LCD Monitor Information

■ Camera Mode

1. Scene mode

- [A] Auto
- [🏃] Sport
- [🌙] Night
- [👤] Portrait
- [🏔️] Landscape
- [📷] Backlight

2. Internal memory/SD memory card indicator

- [📷] Status of internal memory
- [💾] Status of SD memory card

3. Remaining battery status

- [🔋] Full battery power
- [🔋] Medium battery power
- [🔋] Low battery power
- [🔋] No battery power

4. Flash mode

- [📷] Auto
- [👁️] Red-eye Reduction
- [⚡] Forced Flash
- [🕒] Flash Off

5. Focus area

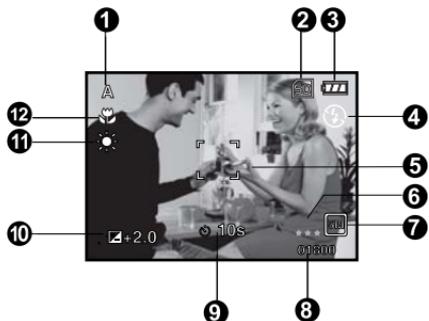
6. Quality

- [***] Fine
- [**] Standard
- [*] Economy

7. Image size

- [5M] 2560 x 1920
- [3M] 2048 x 1536
- [1.3M] 1280 x 960
- [VGA] 640 x 480

8. Possible number of shots



9. Self-timer icon

- [🕒 10s] 10 sec.
- [🕒 2s] 2 sec.
- [🕒 10+2s] 2 sec.

10. [📷] Exposure compensation

11. White balance

- [Blank] Auto
- [☀️] Daylight
- [☁️] Cloudy
- [💡] Tungsten
- [✳️] Fluorescent

12. Focus mode

- [👇] Macro
- [🏔️] Normal

■ Video Mode

1. Video mode
2. Recordable movie time available
3. SD memory card indicator (if present)
4. Battery power indicator
5. Focus area
6. Image size
7. Focus mode



■ Image Playback

1. Playback mode
2. SD memory card indicator (if present)
3. Battery power indicator
4. Playback information
5. Image protect



■ Video Playback

1. Playback mode
2. Video mode
3. Total recorded time
4. SD memory card indicator (if present)
5. Battery power indicator
6. Playback indicator

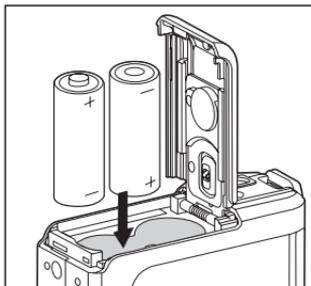


PREPARING THE CAMERA

Installing the Batteries

You can use two AA size batteries to power the camera. Make sure that the power of the digital camera is off before inserting or removing the batteries.

1. Make sure that the digital camera is turned off.
2. Open the battery/SD card cover.
3. Insert the batteries in the correct orientation as shown in the illustration.
4. Close the battery/SD card cover.
 - To remove the batteries, first turn the camera off, then hold the camera with the battery/SD card cover facing upward before opening the battery/SD card cover.



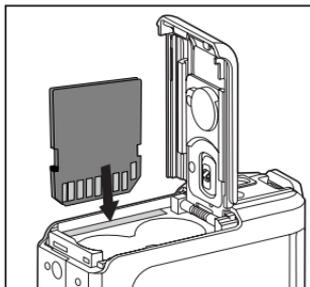
NOTE

- Be careful not to drop the batteries when opening or closing the battery/SD card cover.

Inserting and Removing an SD Memory Card

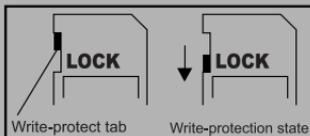
The digital camera comes with 16MB of internal memory (15MB available for image storage), allowing you to store captured still images or video clips in the digital camera. You can expand the memory capacity by using an SD (Secure Digital) memory card so that you can store more files. Your camera is supplied with a 256MB SD card and accepts SD cards up to 2GB.

1. Make sure your camera is turned off before inserting or removing a memory card.
2. Open the battery/SD card cover.
3. Insert an SD memory card in the correct orientation as shown in the illustration.
4. Close the battery/SD memory card cover.
 - To remove the SD memory card, make sure the camera is turned off. Press lightly on the edge of the memory card and it will eject.



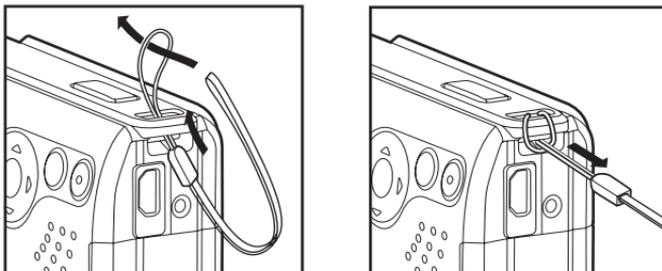
NOTE

- Be sure to format an SD memory card with this digital camera before using it. Refer to the section in the manual entitled **"Formatting"** for further details.
- To prevent valuable data from being accidentally erased from an SD card, you can slide the write protect tab (on the side of the SD memory card) to "LOCK".
- To save, edit, or erase data on an SD memory card, you must unlock the card.



Attaching the Camera Strap

Attach the strap as shown in the illustration.



LED Indicators

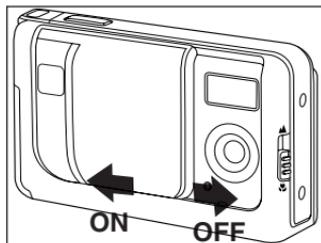
Indicator	State	Description/Activity
Self-timer indicator	Blinking red	The digital camera is powering up.
LED indicator	Blinking green	The digital camera is ready to record images (or movies).
LED indicator	Blinking green	USB communication/transfer in progress
Self-timer indicator	Blinking red	Charging the flash.
Self-timer indicator	Blinking red	The self-timer function is activated.

GETTING STARTED

Turning the Power On/Off

Load the batteries and insert an SD memory card before starting.

- To turn the camera on, slide the lens cover open until it clicks, uncovering the lens.
- To turn the camera off, slide the lens cover closed until it clicks, covering the lens.



NOTE

- The power is turned off automatically when the camera has not been operated for a fixed period of time. To resume the operation condition, turn the power on again. Refer to the section in this manual titled "Auto Off" in the Setup Menu for further details.

Choosing the Screen Language

Follow the steps below to choose the desired language.

1. Slide the lens cover open until it clicks to turn on the camera.
 - The camera mode (default preview) is displayed.
2. Press **▲ / MENU** and access setup menu with the **▶** button.
 - You may also toggle the **▼ / MODE** button and switch to [] mode or press the [] button, then follow the step above to access in setup menu.
3. Select [Language] with the **▲ / ▼** buttons, then press the **OK** button.
 - The Language setting screen will be displayed.
4. Select the required language with the **▲ / ▼** buttons, then press the **OK** button.
 - The setting will be stored.
5. To exit from menu, press the **◀** button continuously .



Ex.: In Camera Mode

Formatting an SD Memory Card or Internal Memory

If you wish to use an SD card with this camera you must first format it so it is compatible with the camera. You can also format the internal memory to clear any data from it. This function deletes all files in the internal memory and memory card.

1. Slide the lens cover open until it clicks to turn on the camera.
 - The camera mode (default preview) is displayed.
2. Press **▲ / MENU** and access setup menu with the **▶** button.
 - You may also toggle the **▼ / MODE** button and switch to [] mode or press the [] button, then follow the step above to access in setup menu.
3. Select [Format] with the **▲ / ▼** buttons, then press the **OK** button.
4. Select [Execute] with the **▲ / ▼** buttons, then press the **OK** button.
 - To cancel formatting, select [Cancel] and press the **OK** button.
5. To exit from menu, press the **◀** button continuously.



Ex.: In Camera Mode



NOTE

- When you format an SD memory card, be aware that all data on it will be erased for good. Protected images are also erased.
- To format the internal memory, do not insert a memory card into the camera. Otherwise, you will format the memory card.
- Formatting is an irreversible action and data cannot be recovered at a later time.
- An SD memory card with problems cannot be formatted properly.

PHOTOGRAPHY MODE

Shooting Images - The Basics

1. Slide the lens cover open until it clicks to turn on the camera.
 - The camera mode (default preview) is displayed.
2. Compose the image on the monitor screen so that the main subject is within the focus frame.
3. Press the shutter button to capture the image.



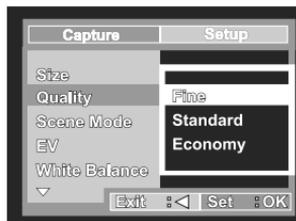
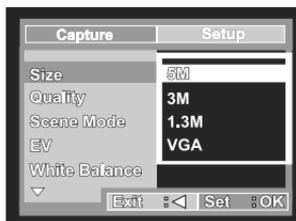
Setting Image Resolution and Quality

As you get to know the digital camera, you can set the image resolution (number of vertical and horizontal pixels) and image quality (compression ratio) based on the types of images you want to shoot. These settings affect the number of images that can be stored in memory, or on a memory card.

Higher resolution and higher quality images provide finer detail but cause the images' file size to be larger.

To change image resolution or image quality, perform these steps below:

1. Slide the lens cover open until it clicks to turn on the camera.
 - The camera mode (default preview) is displayed.
2. Press the **▲ / MENU** button.
 - The [Capture] menu is displayed.
3. Select [Size] with the **▲ / ▼** buttons, then press the **OK** button.
4. Select the desired setting with the **▲ / ▼** buttons, then press the **OK** button.
5. Select [Quality] with the **▲ / ▼** buttons, then press the **OK** button.
6. Select the desired setting with the **▲ / ▼** buttons, then press the **OK** button.
7. To exit from the menu, press the **◀** button.



NOTE

- The possible number of shots and recording time depend on the storage size, resolution and quality settings and the subject of the image to be captured.

■ Possible Number of Recordable Images

The frame counter indicates the approximate number of images that can be stored on the SD memory card. The number of recordable images varies depending on the recorded subject, the capacity of the memory card, the presence of files other than images or when the recording is made while changing the picture quality or resolution.

Resolution	Quality (Compression Ratio)	SD Memory Card							
		16MB	32MB	64MB	128MB	256MB	512MB	1GB	2GB
2560 x 1920 	*** Fine (1/4)	16	34	70	142	285	572	1146	2292
	** Standard (1/8)	20	43	87	177	356	715	1433	2866
	* Economy (1/16)	25	53	108	218	439	881	1764	3528
2048 x 1536 	*** Fine (1/4)	23	48	98	199	400	804	1609	3218
	** Standard (1/8)	29	60	123	249	501	1006	2015	4030
	* Economy (1/16)	35	74	152	307	617	1238	2479	4958
1280 x 960 	*** Fine (1/4)	43	90	184	372	748	1500	3005	6010
	** Standard (1/8)	54	110	230	465	935	1876	3756	7512
	* Economy (1/16)	66	139	284	574	1153	2314	4634	9268
640 x 480 	*** Fine (1/4)	102	212	434	877	1763	3537	7083	14166
	** Standard (1/8)	127	266	543	1097	2204	4422	8854	17708
	* Economy (1/16)	157	327	668	1350	2713	5442	10897	21794

* The above data shows the standard testing results. The actual capacity varies according to the shooting conditions and settings.

■ Approximate Duration of Recording Time

The table below indicates the approximate duration of recording time depending on the capacity of the SD memory card.

Image size	SD Memory Card							
	16MB	32MB	64MB	128MB	256MB	512MB	1GB	2GB
	00:12	00:26	00:54	01:50	03:42	07:26	14:53	29:46
	00:26	00:55	01:53	03:49	07:41	15:25	30:53	61:46

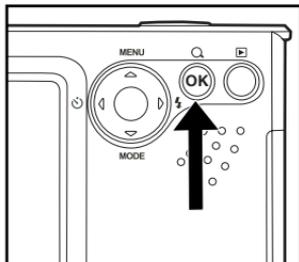
* The values for the recording time varies depending on the shooting conditions and settings.

Using the Zoom Function

This camera is equipped with 4x digital zoom. You can enlarge the subjects by holding down the **OK / Q** button. Although this is a very useful feature, the more the image is magnified, the grainier the image may become.

To capture a zoomed image, perform the following steps:

1. Slide the lens cover open until it clicks to turn on the camera.
 - The camera mode (default preview) is displayed.
2. To activate the digital zoom, hold down the **OK / Q** button.
 - The status of digital magnification is displayed on the LCD monitor.
3. Compose your shot and press the shutter button to capture the image.



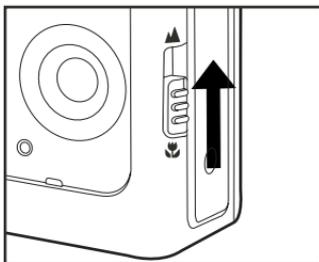
NOTE

- The digital magnification ranges from 1.0x to 4.0x.
- As you record video clips, the zoom function cannot be activated.
- The zoom function can only be activated by choosing the resolution of 5 M.

Setting Focus

Close-up images can be captured by sliding the focus switch to set the focus modes: [🌸] macro or [▲] normal mode.

1. Slide the lens cover open until it clicks to turn on the camera.
 - The camera mode (default preview) is displayed.
2. Slide the focus switch to your desired focus mode.
3. Compose your scene and press the shutter button.



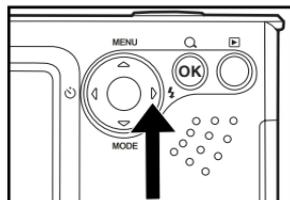
The table below will help you choose the appropriate focus mode:

Focus mode	Description
▲ Normal	This mode is suitable for scenery and portrait shooting.
🌸 Macro	Select macro to capture close-up images. When the lens is zoomed to its widest position you may focus objects as close as 60cm away.

Using the Flash

The flash is designed to function automatically when lighting conditions warrant it. The camera has four flash modes: Auto Flash (default), Red Eye, Forced Flash and No Flash. You can take an image using a desired flash mode to suit your circumstances.

1. Slide the lens cover open until it clicks to turn on the camera.
 - The camera mode (default preview) is displayed.
2. Toggle ► / ◄ until your desired flash mode appears on the LCD monitor.
3. Compose your scene and press the shutter button.



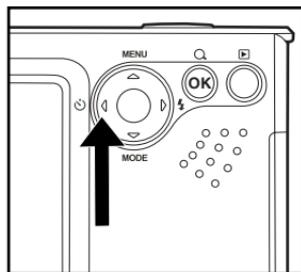
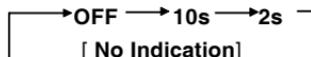
The table below will help you to choose the appropriate flash mode:

Flash mode	Description
A ⚡ Auto	The flash fires automatically according to suit the photographic conditions.
⊕ ⚡ Red-eye	Use this mode to reduce the red-eye phenomenon when you want to take natural-looking photographs of people and animals in low-light conditions. When taking photographs, the red-eye phenomenon can be reduced by asking the subject (person) to look at the digital camera.
⚡ Forced Flash	The flash will always fire regardless of the surrounding brightness. Select this mode for recording images with high contrast (backlighting) and deep shadows.
⊘ ⚡ Flash Off	Use this mode when flash use is prohibited or when the distance to the subject is too far for the flash to have any effect.

Using the Self-Timer

The self-timer can be used in situations such as group shots. When using this option, you should either mount the camera on a tripod (recommended) or rest it on a flat, level surface.

1. Secure the camera on a tripod or place it on a stable surface.
2. Slide the lens cover open until it clicks to turn on the camera.
 - The camera mode (default preview) is displayed.
3. Toggle ◀ / ☺ until your desired self-timer mode appears on the LCD monitor.



4. Compose your scene and press the shutter button.
 - The self-timer function is activated.
 - The photograph is then taken after the preset time.
 - To cancel the self-timer at any time, press the ◀ / ☺ button to disrupt the sequence.



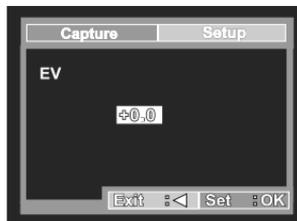
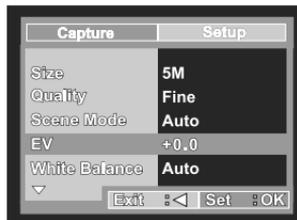
NOTE

- After one shot is taken, the self-timer mode is turned off.
- If you wish to take another image using the self-timer, repeat the steps above.

Adjusting the Exposure (EV Compensation)

You can manually adjust the exposure determined by the digital camera. Use this mode when the proper exposure cannot be obtained, for example, when the contrast (difference between light and dark) between the subject and the background is extremely large. The EV compensation value can be set in the range from -2.0EV to $+2.0\text{EV}$.

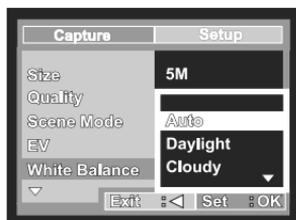
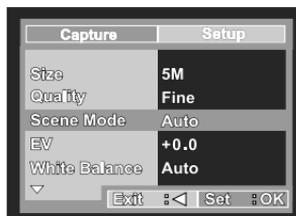
1. Slide the lens cover open until it clicks to turn on the camera.
2. Toggle the **▼ / MODE** button and switch to camera or [] mode.
3. Press the **▲ / MENU** button.
 - The [Capture] or [Video Output] menu is displayed.
4. Select [EV] with the **▲ / ▼** buttons, then press the **OK** button.
5. Use **▲** or **▼** to set the range of EV compensation value from -2.0EV to $+2.0\text{EV}$, then press the **OK** button.
6. To exit from the menu, press the **◀** button.



Setting White Balance

This feature lets you make adjustments to compensate for different lighting types according to your shooting conditions.

1. Slide the lens cover open until it clicks to turn on the camera.
2. Toggle the ▼ / **MODE** button and switch to camera or [📷] mode.
3. Press the ▲ / **MENU** button.
 - The [Capture] or [Video Output] menu is displayed.
4. Select [White Balance] with the ▲ / ▼ buttons, then press the **OK** button.
5. Select the desired setting with the ▲ / ▼ buttons, then press the **OK** button.
6. To exit from the menu, press the ◀ button.

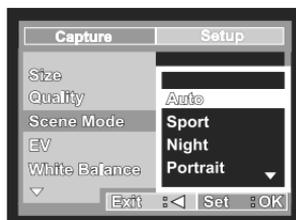
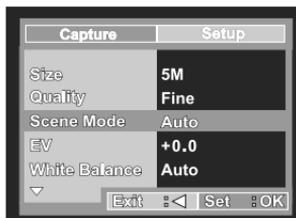


Scene Mode Selection

You can select the scene mode according to the shooting scene. There are 6 available modes in this scene mode.

- [**A**] Auto: Select this mode for point-and-shoot action.
- [] Sport: Select this mode when you want to photograph fast-moving subjects.
- [] Night: Select this mode when you want to capture people with an evening or night scene background.
- [] Portrait: Select this mode when you want to capture an image that makes the person stand out against a defocused (blurred) background.
- [] Landscape: Select this mode to capture an image with infinity focus, hard sharpness and high saturation.
- [] Backlight: Select this mode when you want to capture images with the light coming from behind the object.

1. Slide the lens cover open until it clicks to turn on the camera.
 - The camera mode (default preview) is displayed.
2. Press the **▲ / MENU** button.
 - The [Capture] menu is displayed.
3. Select [Scene Mode] with the **▲ / ▼** buttons, then press the **OK** button.
4. Select the desired scene mode with the **▲ / ▼** buttons, then press the **OK** button.
5. To exit from the menu, press the **◀** button.

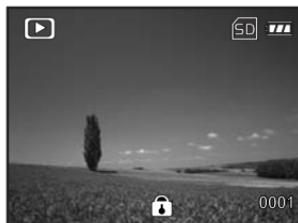


PLAYBACK MODE

Viewing Images

You can display the still images you have captured at any time.

1. Slide the lens cover open until it clicks to turn on the camera.
2. Press the [] button.
 - The last recorded image appears on the LCD monitor.
3. Use ◀ or ▶ to select the desired images.
 - To view the previous image, press the ◀ button.
 - To view the next image, press the ▶ button.
4. To exit from playback mode, press the [] or ▼ (MODE) button.



NOTE

- The playback information displayed on the LCD monitor will disappear after a short time.
- If there is no image stored in the internal memory or on the memory card, the [NO IMAGE] message will appear on the monitor.

Magnifying Images

While reviewing your images, you may enlarge a selected portion of an image. This allows you to view fine details. The digital zoom factor displayed on the screen shows the current magnification ratio.

1. Slide the lens cover open until it clicks to turn on the camera.
2. Press the [] button.
 - The last recorded image appears on the LCD monitor.
 - To view the previous image, press the ◀ button.
 - To view the next image, press the ▶ button.
3. Press the **OK** /  button continuously to adjust the zoom ratio.
 - The magnification factor is displayed on the LCD monitor.
4. To view different portions of the images, press the ▲ / ▼ / ◀ / ▶ button to adjust the display area.



NOTE

- The magnification factors range from 1x to 4x (within 4 stages: 1.0x, 2.0x, 3.0x and 4.0x).

Thumbnail Display

This function allows you to view 9 thumbnail images on the LCD monitor simultaneously so you may search for a particular image.

1. Slide the lens cover open until it clicks to turn on the camera.
2. Press the [] button.
 - The last recorded image appears on the LCD monitor.
3. Press the **▲ / MENU** button.
 - The playback menu is displayed.
4. Select [Thumbnails] with the **▲ / ▼** buttons, then press the **OK** button.
 - Nine thumbnail images are displayed simultaneously.
 - For recorded video clips, the [] video mode icon will be displayed.
5. Use the **▲ / ▼ / ◀ / ▶** button to move the cursor to select the image to be displayed at regular size.
6. Press the **OK** button to display the selected image on full screen.



Slideshow Display

The slideshow function enables you to play your images back automatically in sequential order. This is a very useful and entertaining feature for reviewing recorded images and for presentations.

1. Press the [] button.
2. Press the **▲ / MENU** button.
 - The playback menu is displayed.
3. Select [Slide Show] with the **▲ / ▼** buttons, then press the **OK** button.
4. Select **▲ / ▼** to set the playback interval, then press the **OK** button.
 - The slideshow starts.
5. To stop the slide show during playback, press the **OK** button.



NOTE

- You can adjust the slide show display intervals to 3 Sec., 5 Sec., 10 Sec.
- The Auto Off function does not operate during slide show.
- All still images in the folder are automatically played back.

VIDEO MODE

Recording Video Clips

This mode allows you to record video clips.

1. Slide the lens cover open until it clicks to turn on the camera.
2. Press ▼ / **MODE** and switch to [📹] mode.
3. Press the shutter button to start recording.
4. To stop recording, press the shutter button again.



NOTE

- The flash cannot be used when recording a video clip.

Playing Back Video Clips

You can play back recorded video clips. A guide to operation appears on the LCD monitor during the video playback.

1. Press the [] button.
2. Use ◀ or ▶ to go through the images until the video clip you want to play back is displayed.
 - To view the previous image, press the ◀ button.
 - To view the next image, press the ▶ button.
3. Press the **OK** button to start playing back the video clips.
 - To pause or resume video playback, press the **OK** button again.



NOTE

- The playback information displayed on the LCD monitor will disappear after a few seconds.
- The zoom function cannot be activated while playing video clips back.
- To playback video clips on a computer, we recommend you use Windows Media Player 9.0 (WMP 9.0). You can download WMP at www.microsoft.com.

PLAYBACK MODE – ADVANCED FEATURES

Deleting Images/Video Clips

Use this function to delete one or all images/video clips stored in the internal memory or memory card. Please note that the deleted images or video clips cannot be recovered. Exercise caution before deleting a file.

Deleting in Playback Mode

1. Press the [] button.
 - The last image will be displayed on the screen.
2. Select the image you want to erase with the ◀ / ▶ buttons.
3. Press the ▲ / MENU button.
 - The playback menu is displayed.
4. Select [Delete] with the ▲ / ▼ buttons, then press the OK button.
 - The deletion menu is displayed.
5. Select [Single] or [All] with the ▲ / ▼ buttons, then press the OK button.
 - Single: Erases the selected image or the last image.
 - All: Erases all of the images on the SD memory card except for the protected images.
 - Select: Erases a number of selected images.
6. Select [Execute] with the ▲ / ▼ buttons, then press the OK button.
 - To not erase, select [Cancel], then press the OK button.



Deleting selected images

1. Press the [] button.
2. Press the ▲ / MENU button.
 - The playback menu is displayed.
3. Select [Delete] with the ▲ / ▼ buttons, then press the OK button.
 - The deletion menu is displayed.
4. Select [Select] with the ▲ / ▼ buttons, then press the OK button.
 - The images are displayed in the thumbnail display.
5. Select the image you want to delete with the ▲ / ▼ / ◀ / ▶ buttons, then press the OK button.



Protecting Images / Video Clips

Set the data to read-only to prevent images from being erased by mistake.

Protecting Images

1. Press the [] button.
 - The last recorded image appears on the LCD monitor.
2. Select the image that you want to protect with the ◀ / ▶ buttons.
3. Press the ▲ / MENU button.
 - The playback menu is displayed.
4. Select [Protect] with the ▲ / ▼ buttons, then press the **OK** button.
5. Select [Single] or [All] with the ▲ / ▼ buttons, then press the **OK** button.
 - Press the ◀ button continuously to return to the playback mode. The protect icon [] is displayed with the selected image.
6. Select [Set] with the ▲ / ▼ buttons, then press the **OK** button.
 - When [All] has been selected, [] is displayed with all the images.



To cancel the protection

To cancel protection for only one image, display the image that you want to remove the image protection for.

1. Select [Protect] with the ▲ / ▼ buttons from the playback menu, then press the **OK** button.
2. Select [Single] or [All] with the ▲ / ▼ buttons, then press the **OK** button.
3. Select [Cancel] with the ▲ / ▼ buttons, then press the **OK** button.
 - Press the ◀ button continuously to return to the playback mode. The removal of image protection has been executed.

To protect multiple images simultaneously

1. Select [Protect] with the ▲ / ▼ buttons from the playback menu, then press the **OK** button.
2. Select [Select] with the ▲ / ▼ buttons, then press the **OK** button.
 - The images are displayed in the thumbnail display. The protect icon [] is also displayed.
3. Select the image you want to protect with the ▲ / ▼ / ◀ / ▶ buttons, then press the **OK** button.
4. If you want to cancel the protection of selected images follow the steps in "To cancel the protection" above.



NOTE

- Formatting an SD memory card overrides protection, and erases all images regardless of their protected status.

Setting the Digital Print Order Format

DPOF (Digital Print Order Format) allows you to embed printing information on your memory card. By using DPOF, you can select an image to be printed and then specify how many prints or which image you would like. Take your memory card to a DPOF enabled printer that accepts memory cards. The DPOF/card-compatible printer will read the embedded information on the memory card and print your images as specified.

1. Press the [] button.
2. Select the image that you want to set DPOF for with the ◀ / ▶ buttons.
3. Press the ▲ / MENU button.
 - The playback menu is displayed.
4. Select [DPOF] with the ▲ / ▼ buttons, and press the OK button.
 - The DPOF setting screen is displayed.
5. Select [Single] or [All] with the ▲ / ▼ buttons, and press the OK button.
 - Single: Sets DPOF for each individual image.
 - All: Sets DPOF for all images at once.
6. Select [Print Num.] with the ▲ / ▼ buttons, and press the OK button.
 - This displays the Print Num. setting screen.
7. Set the number of prints with the ▲ / ▼ buttons, and press the OK button.
 - You can set up to 9 prints for each image.



8. Select [Print Enable] with the ▲ / ▼ buttons, and press the **OK** button.
9. Select [Execute] with the ▲ / ▼ buttons, and press the **OK** button.
 - This creates a file containing the DPOF information; and when the operation is finished, the screen returns to the playback mode.
 - The DPOF icon [] is displayed on each image that has DPOF settings.



NOTE

- Before you perform the DPOF settings on your camera, always remember to copy your images from the internal memory to an SD memory card first.
- You cannot print movies.

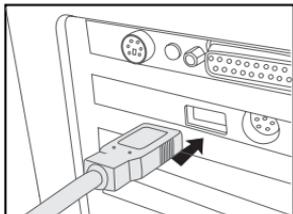
TRANSFERRING FILES FROM YOUR DIGITAL CAMERA TO COMPUTER

After using a USB cable to establish a USB connection between the camera and your computer, you can use your computer to share recorded images or video clips with your family or friends via e-mail or post them on the Web. In order to do this, you must install the USB driver onto your computer first. Note that before you begin to install the software, you need to check that your system fulfils the requirements set out in the table below.

	System Requirements (Windows)	System Requirements (Macintosh)
CPU	Pentium III 600 MHz processor or higher	PowerPC G3/G4
Operating System	Windows 2000 / XP	OS 9.0 or higher
RAM	32MB (64MB RAM recommended)	32MB (64MB RAM recommended)
Hard Disk Space	128MB hard disk space	128MB hard disk space
Required Devices	A CD-ROM drive An available USB port	A CD-ROM drive An available USB port
Display	Color Monitor (800x600, 24-bit or higher recommended)	Color Monitor (800x600, 24-bit or higher recommended)

Step I: Connect the digital camera to your computer

1. Slide the lens cover open until it clicks to turn on the camera.
2. Connect one end of the USB cable to an available USB port on your computer.
 - The USB screen appears on the camera LCD screen.
3. Use ▲ / ▼ to select [PC], then press the **OK** button.
4. From the Windows desktop, double click on "My Computer".
5. Look for a new "Removable disk" icon. This "Removable disk" is actually the memory card in your camera. Typically, the camera will be assigned drive letter "e" or higher.
6. Double click on the removable disk and locate the DCIM folder.
7. Double click on the DCIM folder to open it to find more folders.
 - Your recorded images and video clips will be inside these folders.
 - Copy & Paste or Drag-N-Drop image and video files to a folder on your computer.



(For Mac users, double-click the "untitled" or "unlabeled" disk drive icon on your desktop. iPhoto may launch automatically.)

Step 2: Download images or video clips

When the digital camera is turned on and connected to your computer, it is considered to be a disk drive, just like a floppy disk or CD. You can download (transfer) images by copying them from the “Removable disk” (“untitled” or “unlabeled” disk on a Macintosh) to your computer hard drive.

■ Windows

Open the “removable disk” and double click on the DCIM / DSCIM folder to open it to find more folders. Your images are inside these folder(s). Select the desired still images or video clips and then choose “Copy” from the “Edit” menu. Open the destination location (folder) and choose “Paste” from the “Edit” menu. You may also drag and drop image files from the digital camera to a desired location.

■ Macintosh

Open the “untitled” disk icon, and the destination location on your hard disk. Drag and drop from the digital camera to the desired destination.



NOTE

- Memory card users may prefer to use a memory card reader (highly recommended).
- A Video playback application is not included with the package. Make sure that video playback application has been installed in your computer.

CONNECTING TO A PICTBRIDGE COMPLIANT PRINTER

If a printer that supports PictBridge is available, images can be printed by connecting the digital camera directly to the PictBridge-compatible printer without using a computer.

Connecting the camera to the printer

1. Connect the USB port on the camera and the USB jack on the printer with the supplied USB cable, then turn on your camera and the printer.
 - The screen for selecting the USB mode is displayed.
2. Select [PRINTER] and press the **OK** button.



Printing images

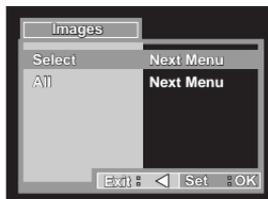
When the camera is properly connected to a PictBridge compliant printer, the PictBridge menu is displayed on the monitor.

1. Select the item you want to configure with the **▲/▼** buttons, and press the **OK** button.
 - [Images]: Select whether you want to print a specific image or all images.
You may also select a printing quantity for a specific image.
 - [Date Print]: According to the printer type, select whether you want to print the image with date imprint or not.
 - [Paper Size]: Select the desired paper size according to the printer type.
 - [Layout]: Select the desired printing layout according to the printer type.
 - [Print]: After all settings are configured, select this item to start printing.



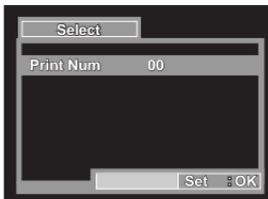
2. If you select [Images] in the previous step, the screen image shown on the right will appear. Select [Select] or [All] with the ▲/▼ buttons, and press the **OK** button.

- [Select]: Select to print multiple images simultaneously.
- [All]: Select to print all images.
- Select [Exit] with the ◀ buttons.



3. If you select [Select] in the previous step, the figure shown on the right hand side will appear.

- Select the multi images that you want to print simultaneously with the ◀/▶ buttons.
- Select the [Print Num.] (up to 99) with the ▲/▼ buttons.
- After selecting the desired image and printing quantity, press the **OK** button to confirm.



4. Select [Print] with the ▲/▼ buttons, and press the **OK** button to start printing.

5. The printing starts and the screen image shown on the right appears.

- [Complete] will be displayed temporarily, reminding you that the printing procedure is finished.
- If a print error is detected, the [Print Error] will be displayed.



- Printing may fail if the power to the camera is cut off.

EDITING SOFTWARE INSTALLATION

Installing Photo Explorer

Ulead® Photo Explorer is a simple and efficient way to transfer, browse, modify and distribute digital media. Acquire photos, video or sound clips from various digital device types and easily browse or add personal descriptions; make modifications; or distribute files through a medium of your choice: E-mail, Print, Slideshow Presentations. It is an indispensable all-in-one tool for owners of digital cameras, WebCams, DV camcorders, scanners, or anyone who strives to efficiently organize a large collection of digital media.

1. Insert the enclosed CD-ROM into your CD-ROM drive.
2. When the welcome screen appears, click "**INSTALL PHOTO EXPLORER 8.0**". Follow the on-screen instructions to complete the installation.



NOTE

- For more information about the operation of Photo Explorer application software, refer to its respective help documentation.
- For Windows 2000/XP users, please make sure to install and use Photo Explorer in "Administrator" mode.
- Photo Explorer is not supported on Mac. iPhoto or iPhoto2 is recommended.

Installing Photo Express

Ulead® Photo Express is a complete photo project software package for for digital images. The step-by-step workflow, visual program interface, and in-program help assist users in creating exciting photo projects. Acquire digital photos effortlessly from digital cameras or scanners. Organize them conveniently with the Visual Browse mode. Use hundreds of ready-to-use templates such as albums, cards, posters, slideshows, and more. Edit and enhance images with photo editing tools, photographic filters, and special effects. Embellish projects by adding creative design elements such as frames, callouts, and stamp objects. Share results with family and friends via e-mail and multiple print options.

1. Insert the enclosed CD-ROM into your CD-ROM drive.
2. When the welcome screen appears,click "**INSTALL PHOTO EXPRESS 5.0**". Follow the on-screen instructions to complete the installation.



- For information on how to use Photo Express to edit and retouch your recorded images, please refer to its online helpline.
- For Windows 2000/XP users, make sure to install and use Photo Express while logged in as a user with an Administrator account.
- Photo Express is not supported on Mac.

USING THE DIGITAL CAMERA AS A WEBCAM

Your digital camera can act as a Webcam, which allows you to video-conference with business associates, or have a real-time conversation with friends or family. To use the digital camera for videoconferencing, your computer system must include the following items:

- Microphone
- Sound card
- Speakers or headphones
- Network or Internet connection



NOTE

- Video conferencing (or video editing) software is not included with the digital camera.
- This mode is not supported by MAC.

Step I: Install the Webcam driver

The Webcam driver included on the CD-ROM is exclusively for Windows. The PC camera function is not supported by MAC platforms.

1. Insert the enclosed CD-ROM into your CD-ROM drive.
2. When the welcome screen appears, click "**DRIVER For PC CAM**". Follow the on-screen instructions to complete the installation.
3. After the driver installation is completed, restart your computer.

Step 2: Connect the digital camera to your computer

1. Slide the lens cover open until it clicks to turn on the camera.
2. Connect one end of the USB cable to an available USB port on your computer.
 - The USB screen appears on the screen.
3. Use ▲ / ▼ to select [PC Camera], then press the **OK** button.
4. Position the digital camera steadily on top of your computer monitor or use a tripod.



NOTE

- Batteries must be installed when using this digital camera as a webcam.

Step 3: Run your application software (i.e. Windows NetMeeting)

To use Windows NetMeeting for videoconferencing:

1. Go to **Start → Programs → Accessories → Communications → NetMeeting** to launch the NetMeeting program.
2. Click the Start Video button to view live video.
3. Click the Place Call button.
4. Type the e-mail address or the network address of the computer that you are calling.
5. Click Call. The person that you are calling must also have Windows NetMeeting running and be willing to accept your call to start the videoconference.



NOTE

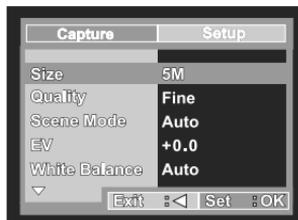
- The video resolution for videoconferencing applications is generally 320 x 240.
- For more information about the operation of videoconference application software, refer to its respective help documentation.

MENU OPTIONS

Camera Menu

This menu is for the basic settings to be used when capturing still images.

- Slide the lens cover open until it clicks to turn on the camera.
 - The camera mode (default preview) is displayed.
- Press the **▲ / MENU** button.
 - The [Capture] menu is displayed.
- Select the desired option item with the **▲ / ▼** buttons, then press the **OK** button to enter the respective menu.
- Select the desired setting with the **▲ / ▼** buttons, then press the **OK** button.
- To exit from the menu, press the **◀** button.



Size

This sets the size of the image that will be captured.

- * [5M] 2560 x 1920
- * [3M] 2048 x 1536
- * [1.3M] 1280 x 960
- * [VGA] 640 x 480

Quality

This sets the quality (compression rate) at which the image is captured.

- * [★★★] Fine
- * [★★] Standard
- * [★] Economy

Scene Mode

Refer to the section in this manual entitled “Scene Mode Selection” for further details.

EV

Refer to the section in this manual entitled “Adjusting the Exposure (EV Compensation)” for further details.

White Balance

This sets the white balance capturing under a variety of lighting conditions and permits images to be captured that emulate the conditions seen by the human eye.

- [**Blank**] Auto
- * [] Daylight
- * [] Cloudy
- * [] Tungsten
- * [] Fluorescent

ISO

This sets the sensitivity for capturing images. When the sensitivity is raised (and the ISO figure is increased), photography will become possible even in dark locations, but the more pixelated (grainier) the image will appear.

- * 50 / 100 / 200 / Auto

Colour

This sets the colour of the image that will be photographed.

- * Standard / Vivid / Sepia / Monochrome

Saturation

To capture an image, your camera offers you three different degrees of colour to match with your preference. By selecting different degrees of colour, your images will convey different impressions. This is called “Saturation”.

- * High / Normal / Low

Sharpness

This sets the sharpness of the image that will be photographed.

- * Hard / Normal / Soft

Preview

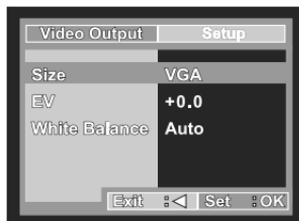
This determines whether or not to display an image on the screen immediately after it is captured.

- * On / Off

Video Menu

This menu is for the basic settings to be used when recording video clips.

1. Slide the lens cover open until it clicks to turn on the camera.
2. Toggle the ▼ / **MODE** button and switch to [] mode.
3. Press the ▲ / **MENU** button.
 - The [Video Output] menu is displayed.
4. Select the desired option item with the ▲ / ▼ buttons, then press the **OK** button to enter the respective menu.
5. Select the desired setting with the ▲ / ▼ buttons, then press the **OK** button.
6. To exit from the menu, press the ◀ button.



EV

Refer to the section in this manual entitled “EV” in Camera Menu for further details.

White Balance

Refer to the section in this manual entitled “White Balance” in Camera Menu for further details.

Playback Menu

In the [] mode, define the settings to be used for playback.

1. Press the [] button.
2. Press the **▲ / MENU** button.
 - The playback menu is displayed.
3. Select the desired option item with the **▲ / ▼** buttons, then press the **OK** button to enter the respective menu.
4. Select the desired setting with the **▲ / ▼** buttons, then press the **OK** button.
5. To exit from the menu, press the **◀** button.



Delete

Refer to the section in this manual entitled “Deleting Images/Video Clips” for further details.

Copy to Card

Allows you to copy your files from the digital camera’s internal memory to a memory card. Of course, you can only do this if you have a memory card installed and files in the internal memory.

* Cancel / Execute

Slide Show

Refer to the section in this manual entitled “Slideshow Display” for further details.

DPOF

Refer to the section in this manual titled “Setting the DPOF” for further details.

Protect

Refer to the section in this manual titled “Protecting Images/Video Clips” for further details.

Thumbnail

Refer to the section in this manual titled “Thumbnail Display” for further details.

Setup Menu

Set your camera's operating environment.

1. Press **▼ / MODE** and switch to camera or [] mode, or press the [] button.
2. Press the **▲ / MENU** button and access in setup menu with the **▶** button.
 - The [Setup] menu is displayed.
3. Select the desired option item with the **▲ / ▼** buttons, and press the **OK** button to enter the respective menu.
4. Select the desired setting with the **▲ / ▼** buttons, and press the **OK** button.
5. To exit from menu, press the **◀** button continuously .

Format

Erases all images and reformats the SD card loaded in your camera. Protected images are also erased. SD card cannot be formatted if it is write-protected. Refer to the section in this manual titled "Formatting an SD Memory Card or Internal Memory" for further details.

Beep

This determines whether or not to mute the camera sound each time you press the camera button.

* On / Off

Language

Refer to the section in this manual titled "Choosing the Screen Language" for further details.

Auto Off

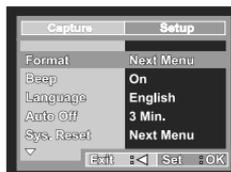
If no operation is performed for a specific period of time, the power to the camera is automatically turned off. This feature is useful to reduce battery wear.

* 1 Min. / 3 Min. / 5 Min. / OFF

Sys. Reset

This returns all basic settings to the camera's default settings. The time setting will not be reset.

* Cancel / Execute



SPECIFICATIONS

Item	Description
Image Sensor	CMOS
Effective pixels	5.0 Mega pixels
Image resolution	Still image: 2560 x 1920, 2048 x 1536, 640 x 480 Video clip: VGA, QVGA
Image quality	Still image: Fine, Normal, Economy Movie image: Economy
Recording media	16MB internal memory (15MB available for image storage) SD memory card (Optional, up to 2GB)
File format	Image format: JPEG; video format: Motion JPEG
Lens	F-no.: 3 Focus Length: 6.47mm (equiv. to 39mm film)
Focus range	Macro: 60 ~ 145 cm Normal: 145 ~ infinity
LCD monitor	2.0" LTPS color LCD High-resolution 153K pixels display
Self-timer	10 sec delay, 2 sec delay
Exposure compensation	-2.0EV ~ +2.0EV (in 1/3EV increments)
White balance	Auto, Daylight, Cloudy, Tungsten, Fluorescent
ISO	50/100/200/Auto
Interface	USB connector
Power	4 x 1800mAH+Charger
Dimension	Approx.89.5 x 56 x 24 mm
Weight	Approx. 85g (without batteries and the SD memory card)

* Design and specifications are subject to change without notice.

TROUBLESHOOTING GUIDE

Symptom	Possible causes	Solutions / Corrective Actions
The power does not turn on.	<ul style="list-style-type: none"> * The batteries have run out. * The batteries are not oriented correctly. * The battery/SD card cover is not closed properly. 	<ul style="list-style-type: none"> * Load new or fully charged batteries. * Load the batteries in the correct direction. * Close the battery/SD card cover correctly.
The camera suddenly powers down.	<ul style="list-style-type: none"> * The function of Auto off in setup menu has been activated. * The batteries have run out. 	<ul style="list-style-type: none"> * Set the option of Auto Shut Down to Off. * Turn the power back on or charge the batteries.
The image is not captured when the shutter button is pressed.	<ul style="list-style-type: none"> * The camera is in  (Playback) mode. * Memory is full. 	<ul style="list-style-type: none"> * Toggle the  / MODE button to the camera mode. * Transfer the desired files to your computer and then delete unnecessary files, or use a different memory card.
The flash does not fire.	<ul style="list-style-type: none"> * NO FLASH is selected in flash mode. * The camera is in  (Video) mode. 	<ul style="list-style-type: none"> * Select a different flash mode. * Press the  / MODE and switch to the camera mode.
Cannot transfer files over a USB connection.	<ul style="list-style-type: none"> * The USB cable is not connected securely. * The USB driver is not installed. * The camera is turned off. 	<ul style="list-style-type: none"> * Check all connections. * Install the USB driver on your computer. * Turn on the camera.



Electrical and electronic equipment (EEE) contains materials, parts and substances which can be dangerous to the environment and harmful to human health if waste of electrical and electronic equipment (WEEE) is not disposed of correctly.

Equipment which is marked with the WEEE logo (as shown on the left), should not be thrown away with your household waste. Contact your Local Authority Waste Disposal Department as they will be able to provide details of the recycling options available in your area.