RICOH

RDC-7

Image Capturing Device

Operation Manual

To ensure correct use of your digital camera, read this manual carefully before use. Keep the manual handy for future reference.

Introduction

Thank you for purchasing a Ricoh digital camera. This manual explains the correct handling procedures and precautions for your camera. To ensure the best performance, please read the manual thoroughly before using the camera. Keep the manual handy for quick future reference.

Ricoh Co., Ltd.

Test Shots

Check that your camera is recording the images correctly by taking a number of test shots.

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Exemption from Liability

Ricoh Co., Ltd. assumes no liability for failure to record or play back images caused by malfunction of the digital camera.

Warranty

This product is manufactured to local specifications and the warranty is valid within the country of purchase. Should the product fail or malfunction while you are abroad, the manufacturer assumes no responsibility for servicing the product locally or bearing the expenditure incurred therefor.

Radio Interference

Operating the digital camera in the vicinity of other electronic equipment may adversely affect the performance of both devices. In particular, operating the camera close to a radio or television may lead to interference. If interference occurs, follow the procedures below.

– Move the camera as far away as possible from the TV, radio or other device
– Reorient the TV or radio antenna.
– Plug the devices into separate electrical outlets.

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Camera Features

● **3,340,000-pixel resolution compact camera**

With a 3,340,000-pixel resolution CCD, the compact camera produces high quality, high-resolution images (2048 × 1536).

● **Compact camera**

The camera is so light you can carry it with you anywhere.

● **Immediate recording**

Using the camera is as simple as pressing the shutter button. Images thus shot are recorded in the internal memory (8 MB) or on a SmartMedia memory card (2/4/8/16/32/64 MB).

* The internal memory allows you to take pictures without the need for a SmartMedia memory card.

● **Instant playback**

You can instantly review recorded image files simply by switching to Play mode. You can also magnify the images (zoom playback), rotate the LCD monitor, or display several images at once (6-image display).

● **High image quality and multiple image recording modes**

The RDC-7 offers multiple image recording modes to suit your specific photographic needs, including F (Fine) mode which puts the emphasis on image quality, and E (Economy) mode which allows you to capture more images than any other mode.

● **Wide shooting range**

The 3.0X zoom lens allows you to capture subjects in a variety of compositions, from close-ups to shots with a background.

● **Natural colors**

The white balance feature allows you to capture a subject in its natural colors under any lighting conditions, indoors or outdoors.

● **Close-ups**

Macro mode for taking close-up shots at distances up to 1cm (with the lens set on Wide) is ideal for shooting flowers, small objects, etc.

● **Monitors images on the TV screen**

Connect the digital camera to a TV set with the video interface cable supplied and you can display your image files on the TV screen. You can also connect the camera to a video deck or video printer to dub the images onto a videotape or make full color prints.

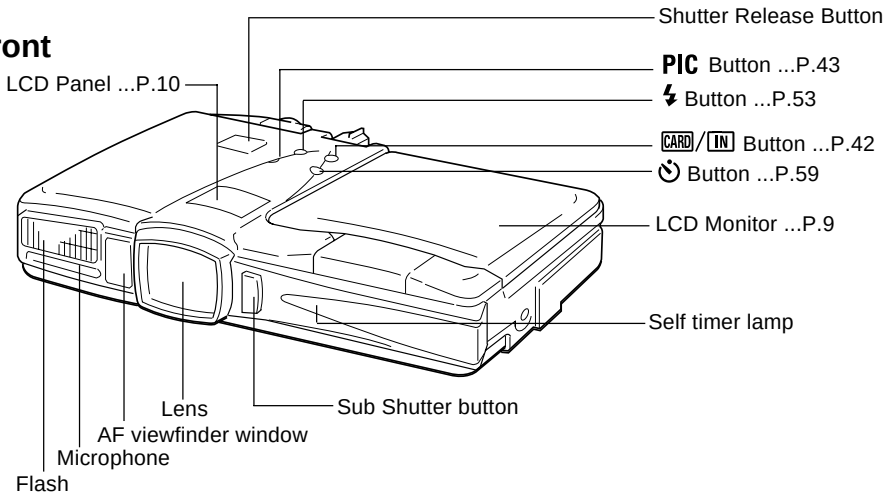
● **Transfers images to a PC**

You can transfer the images onto a personal computer using software compatible with the digital camera. When loaded onto a PC, the images can be printed on a color printer or color copier.

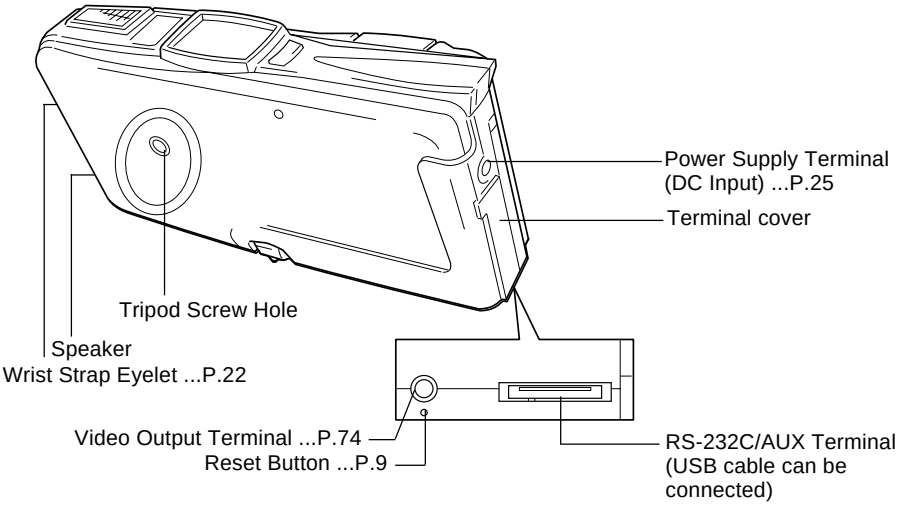
Parts & Names

■ Camera Body

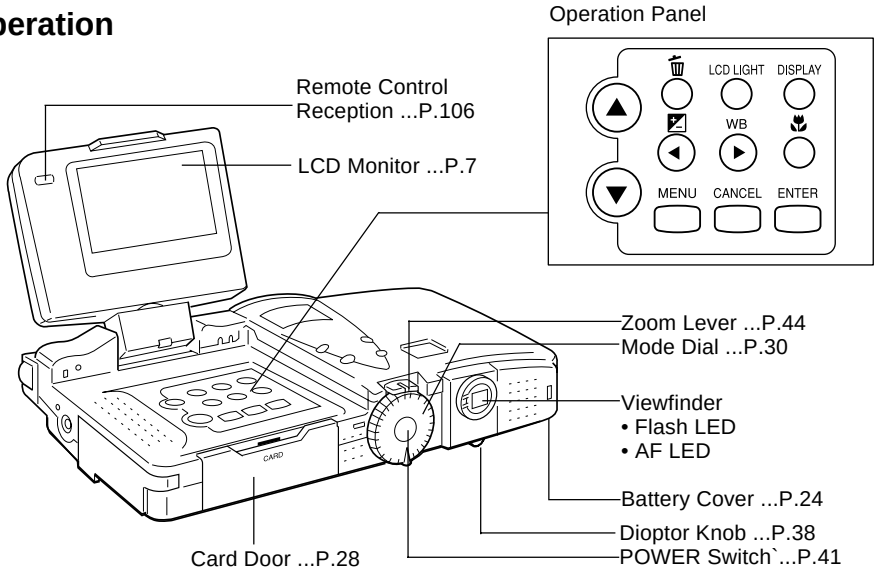
Front



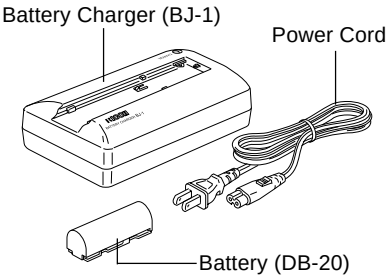
Back



Operation

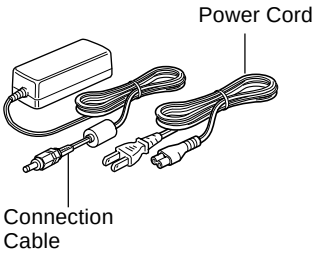


■ Battery

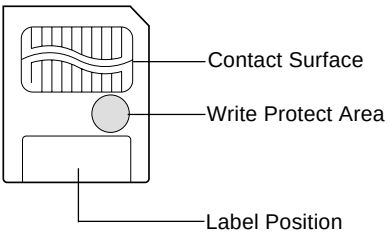


■ AC Adapter (optional)

• AC-3 (120V – 240V)

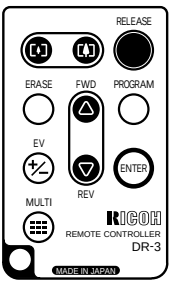


■ SmartMedia Memory Card (optional)



■ Remote Control Unit (optional)

• DR-3

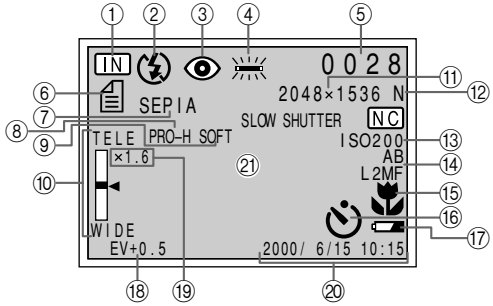


Explanation of Information Displays

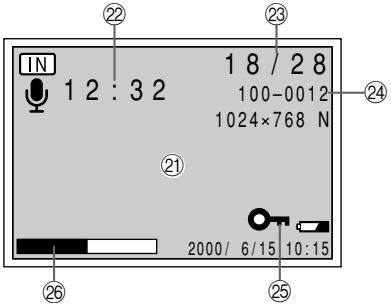
The LCD monitor or the LCD panel displays symbols and figures showing the status of your camera, such as the battery level, the number of pictures that can be taken, and the mode settings.

LCD Monitor

■ Information Displays



Recording Mode Displays



Play Mode Displays

① Recording Destination/Playback Source: CARD • IN → (p.42, 76)
② Flash Mode: ⚡ • ϟ • ϟ (blinking) • ϟᴬ → (p.53)
③ Red-Eye Reduction Mode: 👁 → (p.63)
④ White Balance Indicator: AUTO ☀ • ☁ • 💡 • 𝍖 → (p.57)
⑤ Recording Data Indicator (for recording): Displays the remaining number of pictures or remaining recording time
⑥ File Type: Still picture (No Display) 🎙 • 🖹 • 🎞 • 🎥 → (p.41, 49–53)
⑦ Monochrome Indicator: B&W/SEPIA → (p.66)
⑧ PRO Mode: PRO, PRO-L, PRO-H → (p.70)
⑨ Soft Mode: SOFT → (p.65)
⑩ Zoom Indication Bar → (p.44)
⑪ Size (No. of pixels): 2048 × 1536 • 1024 × 768 • 640 × 480 → (p.43)
⑫ Image Quality (Compression Rate): F • N • E → (p.43)
⑬ ISO Sensitivity: ISO200 • ISO400 → (p.64)
⑭ Auto Bracket: Manual Focus Mode: MF → (p.60)/
Time exposures (L1, L2, L4, L8) → (p.72)
⑮ Macro Mode: 🌷 → (p.60)
⑯ Self-Timer: ⏲ → (p.59)
⑰ Battery Symbol: → (p.8)
⑱ Exposure Compensation Level → (p.56)
⑲ Digital Zoom → (p.44)
⑳ Date & Time Display → (p.34)
㉑ Message Display
㉒ Sound Recording Time/Motion Picture Recording Time
㉓ Recording Data (for playback): Displays the number of the image file being played and total number of files recorded
㉔ File Name
㉕ Image Protect Mark: 🔑 → (p.85)
㉖ Indicator Display

Note
- All items of information are shown for illustration purposes. During actual camera operation, only the relevant items are displayed.
- File names are used when submitting to digital printing services, etc. If a file that does not conform to the DCF (Design rule for Camera File system) is encountered, [*□□□□□□□□] is displayed.
  Changing the file name of an image on a personal computer may result in incorrect display on the camera.

■ Warning Messages

If any of the warning messages listed below appears on the camera's LCD monitor, read the corresponding explanation and take the corrective action suggested.

Warning Message	Status	Explanation and Remedy	Reference Page
	Lit	Indicates low battery. Recharge battery.	P. 23
NO CARD	Flashing	A SmartMedia memory card has not been inserted. Mount a SmartMedia memory card.	P. 28
WRITE PROTECTED	Flashing	A write-protected SmartMedia memory card is found. Remove the write-protection label from the card to gain access to it.	P. 27
FILE PROTECTED	Flashing	You attempted to erase a protected file. Unprotect the file before erasing it.	P. 85
NO FILE	Lit	There are no files to play. Mount a SmartMedia memory card with files recorded on it.	P. 28
UNMATCHED FILE	Flashing	You attempted to play an unplayable file.	P. 74
FILE NUMBER OVER	Flashing	No more files can be recorded. Format the internal memory or insert a new SmartMedia memory card to continue recording.	P. 98
SET DATE/TIME	Flashing	The date has not been set. Set the date before starting operations with the camera.	P. 34

■ Error Messages

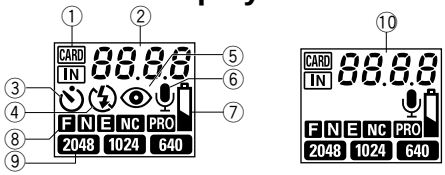
If any of the error messages listed below appear on the camera's LCD monitor, read the corresponding explanation and take the corrective action suggested.

Error Message	Explanation and Remedy	Reference Page
FORMAT CARD	The SmartMedia memory card is unformatted. Format the card with the camera before using it.	P. 98
FORMAT INTERNAL MEMORY	Format the internal memory before using it.	P. 98
CARD ERROR	A SmartMedia memory card of this type is not supported by this camera. Use a different type of SmartMedia memory card.	—

Note • If the error display does not clear, reset the LCD monitor to its factory default settings.
How to reset: With the terminal cover open, press the reset button (p.5). If the error display still won't clear, call your dealer or a Ricoh service center.

LCD Panel

■ Information Displays



Recording Mode Displays Play/Erase Mode Displays

① Recording Destination/Playback Source: CARD • IN → (p.42, 76)
② Recording Data Indicator (for recording): Displays the remaining number of pictures and remaining recording time
③ Self-Timer: → (p.59)
④ Flash Mode: AUTO: No display • • • (blinking) → (p.53)
⑤ Red-eye Reduction Mode: → (p.63)
⑥ Sound Recording Indicator: → (p.50, 52, 77)
⑦ Battery Symbol: → (p.8)
⑧ Image Quality (Compression Rate): F • N • E • NC • PRO → (p.43)
⑨ Size (No. of Pixels): 2048 • 1024 • 640 → (p.43)
⑩ Recording Data Indicator (for playback): Displays the number of the image file being played and playback time

Note • Recording Destination/Playback Source CARD • IN is displayed for files recorded with another digital camera from the Ricoh DC-3Z/DC-4 or RDC-5000 series or a non-Ricoh camera.

■ Error Messages

If any of the error messages listed below appear on the camera's LCD monitor, read the corresponding explanation and take the corrective action suggested.

Error Message	Explanation and Remedy	Reference Page
CARD no.Fo	The SmartMedia memory card is unformatted. Format the card with the camera before using it.	P. 98
IN no.Fo	Format the internal memory before using it.	P.98
CARD Err	A SmartMedia memory card of this type is not supported by this camera. Use a different type of SmartMedia memory card.	–

Note • If the error display does not clear, reset the LCD monitor to its factory default settings.
How to reset: With the terminal cover open, press the reset button (p.5). If the error display still does not clear, call your dealer or a Ricoh service center.

Basic Operation/Quick Reference

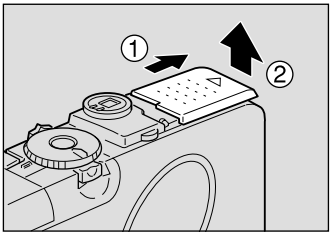
This section provides introductory information for operating the RDC-7 digital camera. Further details can be found in the reference pages mentioned below.

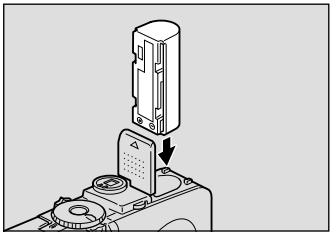
Preparations

Powering the Camera → (p.22-26)

❶ **Load the battery into the camera.**

* When using an AC adapter, connect it to the camera and then to the AC outlet. → (p.26)



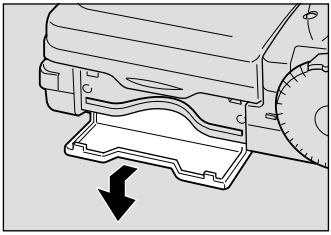


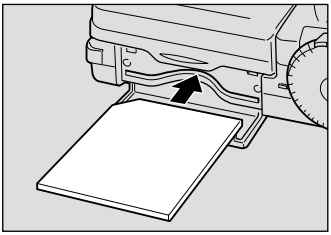
Inserting a SmartMedia Memory Card → (p.27-29)

❶ **Make sure that the camera is turned off.**

❷ **Open the card door and insert a SmartMedia memory card.**

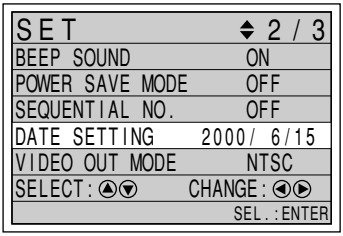
* Before using a new SmartMedia memory card, you must first format (initialize) it with the camera. → (p.98)

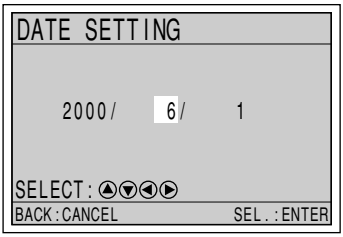




Setting the Date and Time → (p.34-35)

❶ **Turn the power switch on and set the mode dial to [SET].**
❷ **Press the ▲ or ▼ button to select [DATE SETTING].**
❸ **Press the DISPLAY button to select the display method.**
❹ **Press the ENTER button.**
❺ **Press the ▲ or ▼ button to change the flashing digit.**
❻ **Press the ◀ or ▶ button to select the digit you wish to change.**
Repeat steps ❺ and ❻ above to complete the settings.
* Each time you press the ◀ or ▶ button, the flashing digit changes, from year to month, day, hour and minute.
❼ **After you have set the date and time, press the ENTER button.**

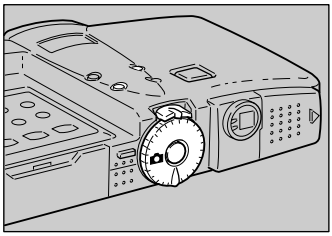


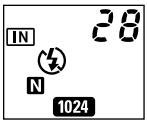


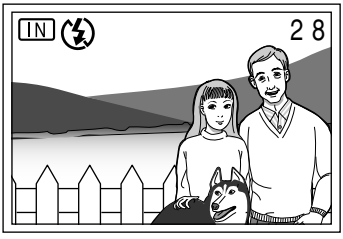
Shooting

Basic Shooting Procedure (Still Picture Mode) → (p.41-48)

❶ **Turn the power switch on and set the mode dial to [📷].**
❷ **Press the CARD/IN button to select the recording destination.**
❸ **Press the PIC button to select an image quality mode.**
❹ **Move the zoom lever to select the desired size of the subject.**
Move to [T] to increase the size of the subject and move to [W] to decrease the size of the subject.
* Check the position of the subject by looking through the viewfinder or at the LCD monitor.
❺ **Press the shutter release button to record the image.**

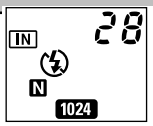


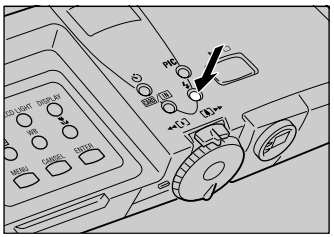




Changing the Flash Mode → (p.53-55)

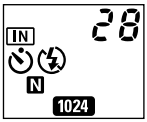
❶ **Set the mode dial to [📷] or [📄].**
❷ **Press the ϟ button to select a flash mode.**
You can choose Flash Off ( ), Auto ( ), Forced Flash (ϟ), or Slow Synchro mode (ϟ blinks).
The mark for the selected mode will be displayed on the LCD monitor or on the LCD panel.

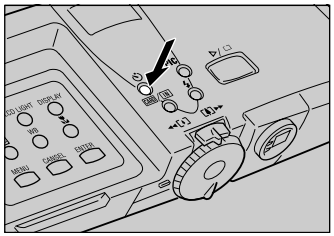




Using the Self-Timer → (p.59)

❶ **Set the mode dial to [📷] or [📄].**
❷ **Press the ⏲ button.**
The ⏲ mark will be displayed on the LCD monitor or on the LCD panel.
❸ **Press the shutter release button to record the image.**
The self-timer LED will start flashing and the shutter will be released after a delay of about 10 seconds.

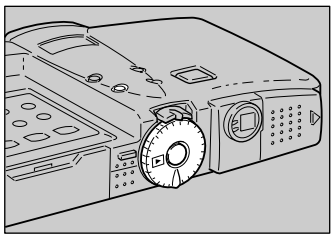




Playback

Playing Back Files (Still Image Files) → (p.76-78)

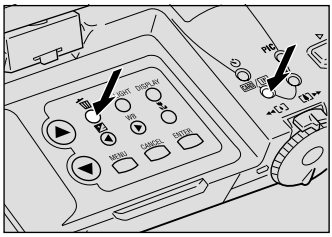
❶ **Turn the power switch on and set the mode dial to [▶].**
❷ **Press the CARD/IN button to select the playback source.**
❸ **Press the ▲ or ▼ button to select a file.**
* The zoom playback and multi-image features allow you to magnify an image or view several image files at once. → (p.80, p.82)



Erasing

Erasing Files → (p.92-94)

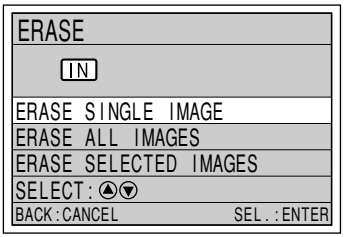
❶ **Set the mode dial to [▶].**



❷ **Press the CARD/IN button to select the erase source.**

❸ **Press the [🗑] button.**

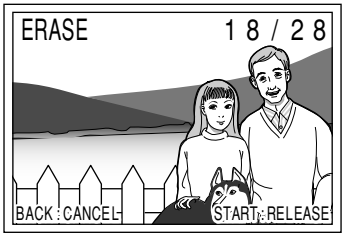
❹ **Press the ▲ or ▼ button to select the erase mode and press the ENTER button.**



* Remember that files cannot be restored once they are erased. Before starting to erase a file, make sure that you want to erase it.

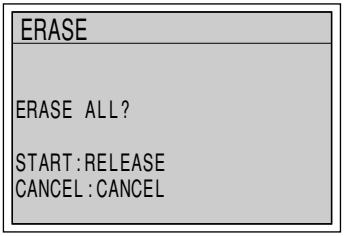
If you selected [ERASE SINGLE IMAGE]

❺ **Press the ▲ or ▼ button to select a file you want to erase and press the shutter release button.**
Repeat step ❺ to erase additional images one at a time.



If you selected [ERASE ALL IMAGES]

❺ **Press the shutter release button.**



If you selected [ERASE SELECTED IMAGES]

❺ **Press the ▲ or ▼ button and the ◀ or ▶ button to select a file you want to erase and press the ENTER button.**
Repeat step ❺ to select additional files. To cancel the erase setting, press the ENTER button again.

❻ **Press the shutter release button.**

Safety Precautions

Warning Symbols

Various symbols are used throughout this instruction manual and on the product to prevent physical harm to you or other people and damage to property. The symbols and their meanings are explained below.

⚠**Warning**	This symbol indicates matters that may lead to death or serious injury if ignored or incorrectly handled.
⚠**Caution**	This symbol indicates matters that may lead to injury or physical damage if ignored or incorrectly handled.

Sample Warnings

The ❗ symbol alerts you to actions that must be performed.

The ⃠ symbol alerts you to prohibited actions.
The ⃠ symbol may be combined with other symbols to indicate that a specific action is prohibited.

● **Examples**

Do not touch

Do not disassemble

Observe the following precautions to ensure safe use of this equipment.

⚠Warning

● Turn off the power immediately in the event of irregularity, such as the equipment emitting smoke or a strange smell. Remove the batteries as soon as possible, being careful to avoid electric shocks or burns. If you are drawing power from a household electrical outlet, be sure to unplug the power cord from the outlet to avoid fire or electrical hazards. Discontinue use of the equipment immediately if it is malfunctioning. Contact the nearest service center at your earliest convenience.

⚠Warning

- Turn off the power immediately if any metallic object, water, liquid or other foreign object gets into the equipment. Remove the batteries as soon as possible, being careful to avoid electric shocks or burns. If you are drawing power from a household electrical outlet, be sure to unplug the power cord from the outlet to avoid fire or electrical hazards. Discontinue use of the equipment immediately if it is malfunctioning. Contact the nearest service center at your earliest convenience.

- Avoid any contact with the liquid crystal inside the LCD monitor, should the monitor be damaged. Follow the emergency measures below in the following circumstances.
  - SKIN: If any of the liquid crystal gets on your skin, wipe it off and rinse the affected area thoroughly with water, then wash well with soap.
  - EYES: If it gets in your eyes, wash your eyes with clean water for at least 15 minutes and seek medical advice immediately.
  - INGESTION: If any of the liquid crystal is ingested, rinse the mouth out thoroughly with water. Have the victim drink a large amount of water and induce vomiting. Seek medical assistance immediately.

⚠Warning

- Keep the battery used in this equipment out of the reach of children to prevent accidental ingestion of harmful substances. Consumption of battery fluid is extremely harmful to human beings. If swallowed, seek immediate medical assistance.

- Keep the equipment out of the reach of children. Their inability to read and understand warnings and safety precautions may lead to accidents.

- Do not touch the internal components of the equipment if they become exposed as a result of being dropped or damaged. The high-voltage circuitry in the equipment could lead to an electric shock. Remove the batteries as soon as possible, being careful to avoid electric shocks or burns. Take the equipment to your nearest dealer or service center if it is damaged.

- Do not attempt to disassemble, repair or alter the equipment yourself. The high-voltage circuitry in the equipment poses significant electrical hazard.

- Do not use the equipment in the bathroom or shower as this could result in fire or electric shock.

⚠Warning

- Do not use the equipment near flammable gases, gasoline, benzine, thinner or similar substances to avoid the risk of explosion, fire or burns.
- Do not use the equipment in aircraft or other locations where usage is restricted or prohibited as this may lead to disasters or accidents.

- Wipe off any dust that accumulates on the electrical plug as this may lead to fire.
- Use only the specified AC adapters for this equipment (optional AC-3) in household electrical outlets. Other adapters pose the risk of fire, electric shock or injury.

- To avoid the risk of fire, electric shock or injury, do not use the AC adapter with commercially available electronic transformers when traveling abroad.

Observe the following precautions to ensure safe use of this unit.

⚠Caution

- Contact with fluid leaking from a battery can lead to burns. If part of your body comes in contact with a damaged battery, wash the area with water immediately. (Do not use soap.) If a battery starts to leak, remove it immediately from the equipment and wipe the battery chamber thoroughly before replacing it with a new battery.

- Plug the power cords securely into the electrical outlets. Loose cords pose a fire hazard.

- Do not allow the camera to get wet. In addition, do not operate it with wet hands. Both pose the risk of electric shock.

- Do not fire the flash at drivers of vehicles, such as bicycles, cars and trains, as this may cause the driver to lose control and result in a traffic accident.

Safety Warnings for Accessories

- Safety warnings for the optional accessories, such as the AC adapter, are contained in the instruction manual provided with each product and should be read thoroughly before operating the equipment.