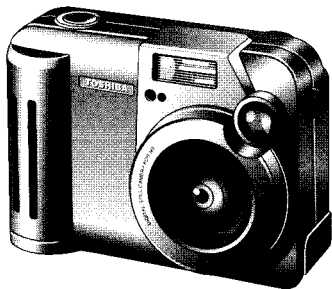


TOSHIBA

PDR-M3

DIGITAL STILL CAMERA



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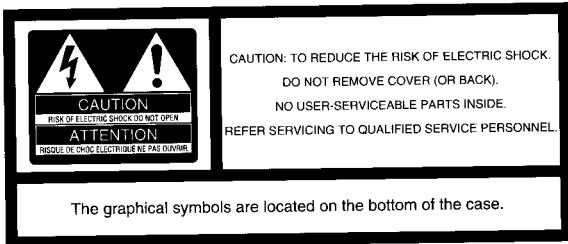
5

OWNER'S MANUAL

To ensure that you use the Toshiba PDR-M3 Digital Still Camera safely and correctly, read this User's Guide carefully beforehand. Once you have finished reading the owner's manual, keep it handy at all times.

Warning

To prevent fire or shock hazard, do not expose the unit to rain or moisture.



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

For customers in the U.S.A.

DIGITAL STILL CAMERA PDR-M3



Tested To Comply
With FCC Standards

FOR HOME OR OFFICE USE

FCC Statement

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

CAUTION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Change the direction of the radio or TV antenna.
Move the computer or the radio or TV. For example, if the computer is to the right of the TV, move it to the left of the TV.
Or, move the computer farther away from the radio or TV.
- Plug the computer into a different outlet. Don't plug your radio or TV into the same circuit as your computer.
- Ensure that all expansion slots (on the back or side of the computer) are covered.
Also, ensure that all metal retaining brackets are tightly attached to the computer.

If these suggestions don't help, consult your computer dealer or experienced radio/TV technician for help.

If you modify the camera in any way, without getting approval from Toshiba Corporation, your camera may violate FCC regulations. Violation of FCC regulations may cause the FCC to void your right to use the modified camera. Only peripherals (computer input / output devices, terminals, printers, etc.) certified to comply with the Class B limits may be attached to the computer containing the camera. Operations with non-certified peripherals are likely to result in interference with radio and TV reception.

TOSHIBA AMERICA INFORMATION SYSTEMS, INC.

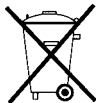
Imaging Systems Division
9740 Irvine Boulevard,
Irvine, California 92618-1697
Phone Number: (949)583-3000

For customers in Canada

CAUTION

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

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.



Bij dit produkt zijn batterijen geleverd. Wanneer deze leeg zijn, moet u ze niet weggooien maar inleveren als KCA

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Using Your Camera Correctly

Be sure to read this information in conjunction with Before You Use This Product "Safety Notes" (→P.11) to ensure that you use your camera correctly.

■ Places to Avoid

Do not store or use the camera in the following types of locations:

- Places subject to strong vibrations
- Places subject to strong magnetic fields (such as places near motors, transformers or magnets)
- For long periods in contact with chemicals such as pesticides or next to rubber or vinyl products

■ Do not expose the camera to sand.

The PDR-M3 is particularly adversely affected by sand. In sandy locations such as beaches or deserts, or in locations where there is wind borne sand, ensure that the camera is not exposed to sand. This can cause faults that may be irreparable.

■ Notes on Condensation

Due to a sudden change in temperature, such as the move from a cold location to a warm one, water droplets (condensation) may form on the inside of the camera or on the lens. When this occurs, switch the camera off and wait an hour before using the camera. Condensation may also form on the SmartMedia card. In this event, remove the SmartMedia and wait a short time before using it again.

■ Cleaning Your Camera

- Use a blower brush to remove dust from the lens and LCD surface and then wipe lightly with a soft, dry cloth. If any soiling remains, apply a small amount of lens cleaning liquid to a piece of lens cleaning paper and wipe gently.
- Do not scratch hard objects against the lens, LCD monitor screen or viewfinder as these surfaces are easily damaged.
- Clean the body of the camera with a soft dry cloth. Do not use volatile substances such as thinners, benzine or insecticide, as these may react with camera body and cause deformation or remove the coating.

■ Using the Camera Overseas

When travelling overseas, do not place your camera in the check-in baggage. Baggage handling at airports may subject baggage to violent shocks, and the camera may be damaged internally even when no external damage is visible.

Using the Battery

Before you use the camera, read the battery instructions and take care to observe the safety precautions provided in the instructions.

The PDR-M3 camera uses a rechargeable lithium-ion battery. Note the points below when using this battery. **Read the "Safety Notes" carefully to ensure that you use the battery correctly.**

*When shipped, the NP-100 is not fully charged. Always charge the battery before using it.

Battery Features

- The battery gradually loses its charge even when not used. Use a battery that has been charged recently (in the last day or two) to take pictures.
- To maximize the battery life, switch the camera off as often as possible when it is not being used.
- In cold locations, the number of frames that can be shot decreases. Take along a spare fully charged battery.

You can also increase the amount of power produced by putting the battery in your pocket or another warm place to heat it and then loading it into the camera just before you take a picture. If you are using a heating pad, do not place the battery directly against the pad.

Charging the Battery

- The battery can be charged using the PDR-ACM1 AC Adapter supplied with the PDR-M3.

The battery takes approximately 7 hours to charge.

If you use the BC-100 Battery Charger (sold separately), the battery can be charged in approximately 2.5 hours.

- This rechargeable battery does not need to be fully discharged or exhausted before being charged.
- The battery may feel warm after it has been charged or immediately after being used. This is perfectly normal.
- The battery can be charged at temperatures between 0°C and +40°C (+32°F and +104°F), but should be charged between +10°C and +30°C (+32°F and +86°F) to obtain maximum battery performance.
- Do not recharge a fully charged battery.

Battery Life

At normal temperatures, this battery can be used at least 300 times. If the battery runs out quickly, this indicates that the battery has reached the end of its effective life and should be replaced.

■ To ensure that you obtain optimum battery performance:

- Always keep the battery contacts clean.
- Store the battery in a cool, dry place. Storing the battery for long periods in a hot location can shorten the battery life.

If the battery is used for a long period, the camera body and the battery itself will become warm. This is normal and is not a malfunction. Use the AC adapter supplied with the camera if you are taking picture or viewing images for a long period of time.

AC Adapter

Use only the PDR-ACM1 AC Adapter (supplied) with your PDR-M3 Digital Still Camera. The use of an AC adapter other than the PDR-ACM1 could result in damage to your PDR-M3 Digital Still Camera.

- For indoor use only.
- Firmly push the connection cord plug into the DC IN socket on the camera.
- Before removing the connection cord from the camera's DC IN socket, switch the camera off and grasp the plug as you pull it out. (Do not pull on the cord.)
- Do not use this camera with devices other than those specified for use with this camera.
- The camera may at times become warm during use. This is normal and does not indicate a fault.
- Do not use the camera in very hot and humid locations.
- Do not drop the camera or subject it to strong impacts.
- Buzzing or whirring noises may come from inside the camera. This is normal and does not indicate a fault.
- Do not use the camera near a radio as it could interfere with radio signal reception.
- Ensure that you do not touch the AC adapter against any other metal object as this could cause a short circuit.
- Do not plug the AC adapter into the DIGITAL socket as this could damage your camera.
- Do not plug in the AC adapter while you are using the battery. Switch the camera off first.
- Do not load the battery while you are using the AC adapter. Switch the camera off first.
- If you disconnect the AC adapter while there is no battery loaded in the camera, the date and time information will be lost. In this event, reset the date and time. (→P.25)
- If you plug in the AC adapter when there is no battery loaded in the camera, the viewfinder lamp may flash red. This does not indicate a fault, however.

SmartMedia

The SmartMedia card supplied with your PDR-M3 camera is a new image recording medium developed especially for use in digital cameras. Each SmartMedia card contains a built-in semiconductor memory chip (NAND flash memory) which is used for storing digital image data.

Because the data is stored electronically, the stored image data can be erased from the card and new data recorded.

■ Storing Data

In the situations listed below, recorded data may be erased (destroyed). Please note that Toshiba Corporation accepts no responsibility whatsoever for the loss (destruction) of recorded data.

- * When the SmartMedia is used incorrectly by the owner or a third party
- * When the SmartMedia is exposed to static electricity or electrical noise
- * When the SmartMedia cover is opened or the SmartMedia removed and the camera is then switched off during data recording, during data erasing (SmartMedia formatting) or during frame advance when images are being played back.

Back up important data onto another medium (MO disk, floppy disk, hard disk, etc.).

■ Handling SmartMedia

- When inserting the card into the camera, hold the SmartMedia straight as you push it in.
- Never remove the SmartMedia or switch the camera off during data recording, during data erasing (SmartMedia formatting) or during frame advance when images are being played back. These actions could result in damage to the SmartMedia.
- Use only the SmartMedia specified for use with the PDR-M3. The use of other SmartMedia could damage the camera.
- SmartMedia are precision electronic devices. Do not bend, drop, or subject SmartMedia to excessive shocks.
- Do not use or store SmartMedia in environments likely to be affected by strong static electricity or electrical noise.
- Do not use or store SmartMedia in very hot, humid or corrosive environments.
- Take care not to touch the SmartMedia's contact area or allow the area to become soiled. Use a dry lint-free cloth to wipe away any soiling that does occur.
- To avoid damage caused by static electricity, always use the special static-free case provided during transportation or storage, or keep the SmartMedia in a storage case if available.
- Do not carry SmartMedia in locations such as a trouser pocket. This could subject the SmartMedia to excessive force when you sit down, thereby damaging the SmartMedia.
- The SmartMedia may feel warm when it is removed from the camera after extended periods of picture taking or image viewing. This is normal and does not indicate a fault.
- Inserting a SmartMedia that is charged with static electricity into your camera may result in a camera malfunction. If this occurs, switch the camera off and then on again.

Using Your Camera Correctly

- Affix the label onto the designated area of the card. Do not use third-party labels as this can lead to problems when the card is inserted or removed.
- When you attach the label, take care that it does not cover any of the write-protect area.

■ Using SmartMedia with a PC

- If you intend to take photos using a SmartMedia that has been used on a PC, format the SmartMedia on your camera.
When you format a SmartMedia in the camera, a folder (directory) called "IM01TOSH" is automatically created. Image data is then recorded in this folder.
- Do not change or delete the folder (directory) names or file names on the SmartMedia from your PC as this will make it impossible to use the SmartMedia in your camera.
- Always use the camera to erase image data on a SmartMedia.
- To edit image data, copy the image data to the computer's hard disk and then edit the copied data.
- To record or erase image data on a SmartMedia card from your PC, or to read images recorded on the SmartMedia using your PDR-M3 camera from your PC, use the PICTURE SHUTTLE Data Transfer Software provided with the Interface kit.

■ Write Protection

- Affix a write-protect sticker over the write-protect area on the SmartMedia prevent recording of data to or the erasure of data from the SmartMedia.
- When attaching the sticker, ensure that it is within the write-protect area and that it is firmly stuck flush to the card.
Do not use third-party labels as this can lead to problems when the card is inserted or removed.
- The write protection may not function if the write-protect sticker becomes soiled. Use a soft dry cloth to wipe away any soiling.

■ SmartMedia Specifications

Type	Image memory card for digital cameras (SmartMedia) 2MB, 4MB, 8MB, 16MB, (32MB)
Type of memory	NAND flash memory
Operating voltage	3.3V
Operating conditions	Temperature: 0°C to 40°C; Humidity: 80% or less (condensation free)
Dimensions	37mm × 0.76mm × 45mm (1.45in. × 0.03in. × 1.77in.) (W × H × D)
Accessories	Anti-static case (1), labels (2), write-protect stickers (4)



Safety Notes

Safety precautions

Please read these safety precautions carefully before using. These instructions contain valuable information on safe and proper use that will prevent harm and damage to the operator and other persons.

Make sure you fully understand the following contents (displays) before proceeding to the main manual.

■ Display definitions

Display	Meaning
 WARNING	This indicates improper use may cause grave bodily harm.
 CAUTION	This indicates improper use may cause bodily injury* ¹ or property damage.

*1: Injury meaning treatment not requiring hospitalization, or prolonged treatment.

WARNING

When a fault arises, switch the camera off and then remove the battery and disconnect the AC adapter.

Continued use of the camera when it is emitting smoke, emitting any unusual odor, or is in any other abnormal state can cause a fire or electric shock.

- Contact your dealer.



Unplug from power socket.

Do not use in areas near water.

This could cause fire or electric shock.

Please take special care during rain, snow, on the beach or near the shore.

- Contact your dealer.



Keep dry

WARNING

Do not place the camera on an unstable surface.

Do not place objects on the camera.

This can cause the camera to fall or tip over and cause injury.



Never attempt to modify or disassemble the camera. (Never open the casing.)

Do not use the camera when it has been dropped or the casing is damaged.

This can cause a fire or electric shock.

● Contact your dealer.



Do not disassemble.

Do not use the camera in the bath or shower.

This can cause a fire or electric shock.



Do not use in the bath or shower.

Never attempt to take pictures while in motion.

Do not use the camera while you are walking or operating a moving car or other vehicle.

This can result in your falling down or being involved in a traffic accident.



Do not touch Power or TV antenna cords during a thunderstorm.

This can cause an electric shock due to induced current from the lightning discharge.



Use only the batteries or AC adapter specified for use with this camera.

The use of other power sources can cause a fire.



CAUTIONS

Do not use or leave this camera in locations severely affected by oil fumes, steam, humidity or dust.

This can cause a fire or electric shock.



Do not leave this camera in places subject to extremely high temperatures.

Do not leave the camera in locations such as a sealed vehicle or in direct sunlight.

This can cause a fire.



CAUTIONS

Do not allow foreign matters such as paper-clips, etc. to enter the unit and do not spill liquid such as coffee over the unit.

This could cause electric shock and defects. Should any foreign matter comes in the unit, turn the power off, remove the batteries and contact your dealer.



Do not look at the sun through the camera finder.

This may cause soreness of the eyes.



Do not move the camera while the AC adapter is still connected.

This can damage the power cord or cable and cause a fire or electric shock.



Do not apply severe impacts to the LCD screen.

if applied, the glass on the screen may be shatter and the internal fluid may come out.

if the fluid enters your eyes or spills on your body or clothing, immediately rinse with fresh water.

When the fluid enters your eyes, immediately consult a physician to receive treatment.



Do not cover or wrap the camera or the AC adapter in a cloth or quilt.

This can cause heat to build up and distort the casing or cause a fire.



Remove the battery and disconnect the AC adapter when you are cleaning the camera or if you intend to leave the camera unused for a long period.

Failure to do so can cause a fire or electric shock.



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

This can cause temporary damage to the person's eyesight.



You must read the separate "Safety Notes" and instructions provided with the NP-100 before using your PDR-M3 camera.

■ Test Shots Prior to Photography

For particularly important photographs (such as weddings and overseas trips), always take a test photograph to check that the camera is functioning normally.

- * Toshiba Corporation cannot accept liability for any incidental losses (such as the costs of photography or the loss of income from photography) incurred as a result of faults with this product.

■ Copyright

Images recorded using your digital camera system cannot be used in ways that infringe copyright laws without the consent of the owner, unless intended only for personal use. Note that some restrictions apply to the photographing of stage performances, entertainments and exhibits, even when intended purely for personal use. Users are also asked to note that the transfer of memory cards containing images or data protected under copyright laws is only permissible within the restrictions imposed by those copyright laws.

■ Handling Your Digital Camera

This camera contains precision electronic components. To ensure that images are recorded correctly, do not subject the camera to impacts or shocks while an image is being recorded.

■ Trademark Information

- IBM PC/AT is a registered trademark of International Business Machines Corp. of the USA.
- Macintosh is a trademark of Apple Computer, Inc.
- MS-DOS and Windows are registered trademarks of the Microsoft Corporation of the U.S. registered in the USA and other countries.
Windows is an abbreviated term referring to the Microsoft Windows Operating System.
- SmartMedia is a trademark of Toshiba Corporation.
- Other company or product names are trademarks or registered trademarks of the respective companies.

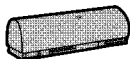
Accessories / Main Features

Accessories

Check the items shown below before using your camera.

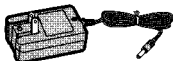
● NP-100 Rechargeable Battery (1)

Supplied with Operating Instructions (1)



● PDR-ACM1 AC Adapter (1)

* The shape of the plug on the AC adapter depends on the country use.



● Sample Image Memory Card (Smart Media) (4MB, 3.3V) (1)

Supplied with:

- Anti-static case (1)
- Index labels (1set)
- Write-protect stickers (1set)



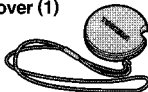
● Video Cable (approx. 1.5m (4.9 ft.), mini-plug (3.5mm dia.) to pin-plug cable) (1)



● Hand Strap (1)



● Lens Cover (1)



● Interface Set (1)

- CD-ROM (Image Expert for Windows, Data Transfer Software PICTURE SHUTTLE/EZtouch for Macintosh) (1)
- Serial Cable for IBM PC/AT Compatible Computer (1)
- Serial Cable for Macintosh Computer (1)
- Noise suppression core (1)
- Install Manual for Windows and Macintosh (1set)

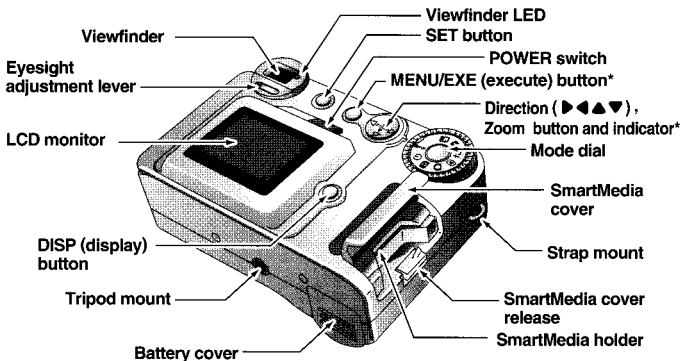
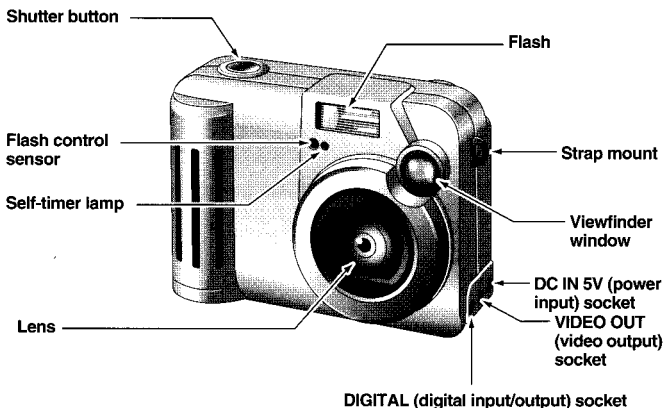
● Owner's Manual (this manual) (1)

Main Features

- 1.5 million-pixel CCD for high-quality images
- 1.8-inch LCD monitor
- Wide-angle lens with macro capability
- Easy-to-use 3× zoom lens with auto focus
- Automatic flash with flash control sensor
- SmartMedia compatible
- Selectable quality and image size (no. of pixels)
- PC mode for downloading images to computers
- Automatic time/date recording
- Filter function allows easy access to simple image effects (soft focus and cross filter) wherever you are
- Manual settings for beautiful close-up shots and perfect pictures against evening backgrounds
- Compatible with Exif version 2.1 so that images can be used directly on most PC-based image processing software

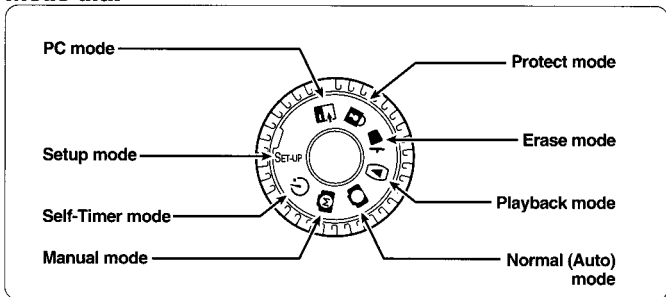
* The PDR-FLP1 Floppy Disk Adapter makes using the PDR-M3 with a PC even easier.

Nomenclature



*Shown as <MENU/EXE>, <▼>, etc. on the LCD monitor.

Mode dial



[**SET-UP**]: **Setup mode (⇒P45)**

In this mode, you can set the sharpness, color, frame number memory, buzzer tone and date and time settings.

[**⌚**]: **Self-Timer mode (⇒P49)**

This mode allows you to take pictures using a 10-second timer.

[**M**]: **Manual mode (⇒P60)**

Manual mode allows you to check the photographed image before it is recorded. This mode also allows you to select the white balance, brightness (exposure), flash brightness, auto exposure (AE) and external flash synchronization settings.

[**⦿**]: **Normal (Auto) mode (⇒P26)**

This is a simple and convenient photography mode in which the camera automatically controls the exposure (a combination of shutter speed and aperture setting) to suit the shooting conditions. This mode is ideal for general photography where you are not trying to achieve any particular effect.

[**▶**]: **Playback mode (⇒P30, 50)**

In addition to normal single-frame playback, Playback mode allows multi-frame playback, automatic playback and playback zoom.

[**🗑️**]: **Erase mode (⇒P31, 54)**

In Erase mode, you can erase one frame, erase all frames or format (initialize) a SmartMedia card.

[**🔒**]: **Protect mode (⇒P57)**

Protect mode allows you to protect one frame and to remove the protection from one frame or all the frames.

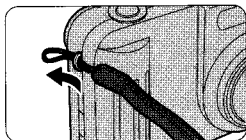
[**📁**]: **PC mode (⇒P74)**

You can use PC mode to transfer your images to a personal computer.

Use the hand strap to avoid dropping the camera when you are taking photographs.

Attaching the Hand Strap

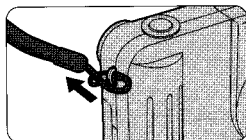
1



Pass the end of the strap through the strap mount on the camera.

Pass the end of the loop of thin cord through the strap mount.

2



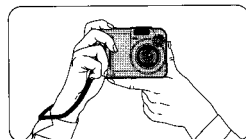
Pass the strap through the loop and pull.

Pass the other end of the strap through the loop of thin cord and pull the strap tight.

1

Using the Hand Strap

1



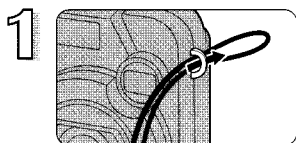
Wear the strap around your wrist.

To avoid dropping the camera while shooting, loop the hand strap over your wrist and then hold the camera by the grip.

Using the Lens Cover

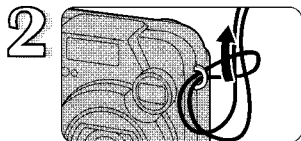
Use the lens cover to protect the lens.

Attaching the Lens Cover



Attach the lens cover to the strap mount.

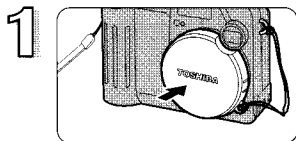
Thread the end of the lens cover cord through the strap mount.



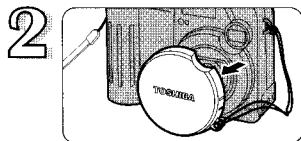
Pull the lens cover through.

Push the lens cover through the lens cover cord loop formed in step 1 and then pull the loop tight.

Using the Lens Cover



Fit the lens cover onto the lens.



Before you take a picture, remove the lens cover.

IMPORTANT

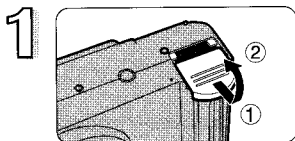
Note that the lens extends if you switch the camera on in a photography mode (Normal, Manual or Self Timer) or switch to a photography mode from one of the other modes. Always remove the lens cover beforehand.

Charging the Battery

To use your PDR-M3 Digital Camera, you need an NP-100 rechargeable battery (included) or the PDR-ACM1 AC Adapter (included).

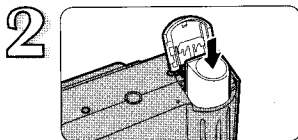
Loading the Battery

Use the procedure below to load the NP-100 rechargeable battery into the camera.



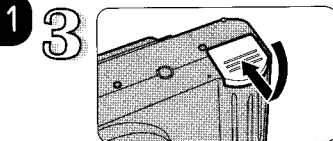
Open the battery cover.

- ① Slide the battery cover outwards.
- ② Open the battery cover.



Insert the battery.

- Insert the battery with the arrow [▼] on the end pointing downwards.
- Push the battery in until it stops.



Close the battery cover.

Check that the battery cover is firmly closed.

IMPORTANT

- The battery is not fully charged at shipment. You must charge the battery before you use it.
- When replacing the battery, always switch the camera off beforehand.
- If you remove the battery without switching the camera off, the date and time revert to the default settings. (⇒P.25)
- Check the date and time settings after you replace the battery. (⇒P.25)
- Refer also to "Battery" (⇒P.7) and to the instructions provided with the NP-100.

Number of Available Shots with a New Battery


With the LCD monitor on: Approx. 100

With the LCD monitor off: Approx. 230

To Maximize the Battery Life

Switch the camera off as quickly as possible when it is not being used.

When the Battery Runs Low

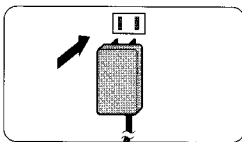
When the battery runs low, the  battery symbol appears on the LCD monitor. Load a fully charged battery as soon as possible. To charge the battery, use the PDR-ACM1 AC Adapter or the BC-100 Battery Charger (sold separately).



Note If you load an exhausted battery and switch the camera on, the camera beeps after the lens moves forward and the lens then moves back again.

Connecting the AC Adapter to Charge the Battery

1

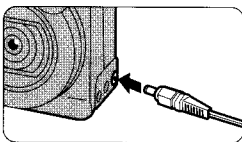


Plug the power adapter into an AC outlet.

Plug the PDR-ACM1 AC Adapter into an AC outlet.

* The shapes of the plug and socket-outlet depends on the country of use.

2



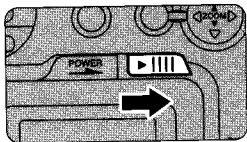
Plug the power adapter into the DC IN 5V socket on the camera.

Insert the plug of the AC adapter into the DC IN 5V socket on the camera.

- After about 4 seconds, the viewfinder LED turns orange and charging begins automatically.
- The viewfinder LED glows orange during charging and then goes off when charging is complete. See "Viewfinder LED" (➔ P.77) for more information on the viewfinder lamp displays.
- It takes about 7 hours to recharge a fully discharged battery.

Charging the Battery

To Try Out the Camera Immediately



If you slide the POWER switch forward to switch the camera on, you can take pictures and record images using the power supplied from the PDR-ACM1 AC Adapter.

Note that the battery is not being charged as long as the camera is switched on.

■ AC Adapter

Use only the specified PDR-ACM1 AC Adapter (included) with your PDR-M3 Digital Camera. The use of AC adapters other than the PDR-ACM1 can result in damage to the camera.

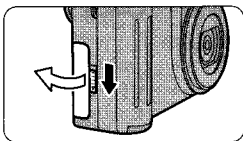
- The battery will not charge if the AC adapter plug is not correctly inserted in to the camera.
- A battery that is almost full will not charge. This is normal and does not indicate a fault.

*Refer also to "AC Adapter". (⇒P.8)

Loading the SmartMedia

Loading the SmartMedia

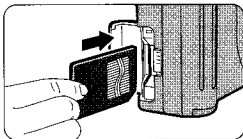
1



Open the SmartMedia cover.

Slide the SmartMedia cover release knob in the direction of the arrow to open the cover.

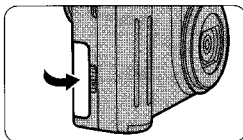
2



Insert the SmartMedia.

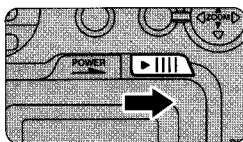
Slide the SmartMedia in slowly so that the contact area (gold portion) faces the gold line on the SmartMedia holder (towards the front of the camera) and push the SmartMedia in fully.

3



Close the SmartMedia cover.




4



Switch the camera on.

Slide the POWER switch in the direction of the arrow and then release it. The viewfinder LED will turn green.



- If the "CARD NOT INITIALIZED" message appears on the LCD monitor, format the SmartMedia. (→P.55)
- If you switch the camera on when the Mode dial is set to [], [] or [], the lens automatically extends forward.
- Because the lens moves forward, take care not to press the lens when you switch the camera on.

1

Compatible SmartMedia

In addition to the 4MB, 3.3V SmartMedia supplied with your PDR-M3 camera, you can also use the following SmartMedia:

3.3V cards: 4MB, 8MB, 16MB, (32MB)



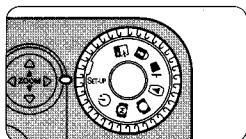
Note

To receive proper Technical support for both the camera and media, we strongly recommend use of TOSHIBA brand SmartMedia. See also "SmartMedia". (→P.9)

Setting the Date and Time

Use the procedure below to set the date and time.

1

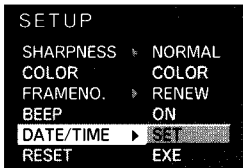


Set the Mode dial to [SETUP].



The SETUP screen appears.

2



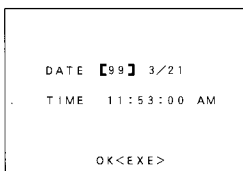
Select DATE/TIME.

Use the <▲> or <▼> button to select DATE/TIME and then press the <MENU/EXE> button.

The date and time display appears with the year digits flashing.

1

3



Set the date and time and press the <MENU/EXE> button.

Pressing the <▲> or <▼> button sets the digits and pressing the <▶> or <◀> button moves between the settings in the following sequence: Year → Month → Day → Hour → Minute.

When you have completed the settings, press the <MENU/EXE> button to return to the SETUP screen.

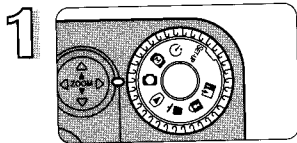
- The seconds display shows "00" and starts running from when you press the <MENU/EXE> button to complete the settings.
- Always check the date and time settings after you have replaced the battery.



Note The date and time settings are maintained correctly for about 5 minutes without a battery installed. When you replace the battery, ensure that it takes no longer than 5 minutes.

Normal mode is the simplest and easiest way to take pictures, since the camera automatically selects the exposure (a combination of shutter speed and aperture setting) to suit the shooting conditions. This mode is ideal for general photography where you are not trying to achieve any particular effect.

Taking Pictures Using the Optical Viewfinder

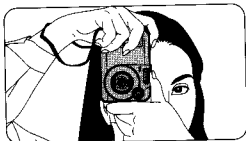


Set the Mode dial to [].



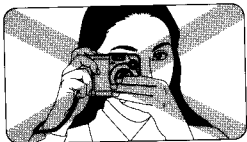
Hold the camera correctly.

To prevent camera shake, hold the camera in both hands and brace your elbows against your sides.



If you are taking a picture with the camera on its side, hold the camera with the viewfinder downwards.

2



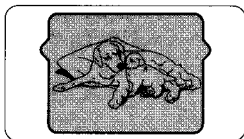
IMPORTANT

Ensure that the lens and flash are not obscured by your hands or the hand strap.

Cleaning the Lens Surface

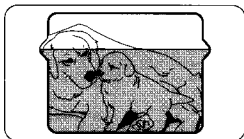
For optimum digital camera performance, make sure that the lens surface is free from dust, fingerprints, and other foreign particles. Gently wipe the lens surface clean with a soft dry cloth.

3



Compose the picture.

Look through the viewfinder to compose the picture. If the subject is 1.5m or further away from the camera, you can use the viewfinder to check the image.

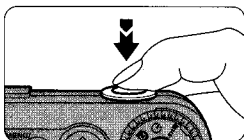


If the subject is between 90cms and 1.5m from the camera, the portion of the image from the notches in the viewfinder downwards is photographed. Ensure that your subject is within this portion.



- Note**
- If the subject is between 25cms and 90cms from the camera, you should use the Macro function (➔P.44).
 - If you cannot focus by looking through the viewfinder, zoom in on the subject and set the focus by using the eyesight adjustment lever (➔P.16) to focus on a subject roughly 3m from the camera.

4



Press the shutter button down half way.

The camera automatically sets the exposure and focus.

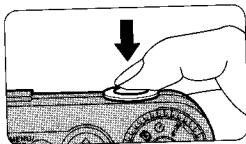
See P.37 for more information on using the shutter button.



- Note**
- To prevent the camera from shaking, brace your elbows against your body and hold the camera with both hands.

2

5



Without releasing the button, press the shutter button down fully.

The camera takes a picture.

When recording is completed, the buzzer sounds and the number of shots available shown on the LCD monitor decreases by 1.



While the image data is being recorded onto the SmartMedia, the viewfinder LED turns orange. You cannot take pictures while the LED is orange (approx. 5 seconds).

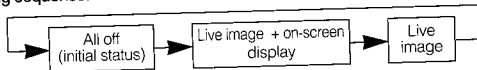
IMPORTANT

- Moving the camera when you press the shutter button (camera shake) will result in a blurred image. Brace your elbows and hold the camera in both hands.
- If you press the shutter button down fully in one movement, the camera may not take a picture. If this happens, release the shutter button briefly and take the picture again by repeating steps 4 and 5.
- Always switch your camera off before inserting or removing a SmartMedia card.
- Never open the SmartMedia cover or remove the SmartMedia while an image is being recorded. This may corrupt the data on the SmartMedia or damage the SmartMedia itself.

2



- Depending on the subject (level of detail in the image, etc.), the number of available shots may not decrease after an image is recorded. Alternatively, the number may decrease by 2. This is because the amount of data recorded for an image varies from image to image.
- If you would like to reduce your consumption of battery charge, you should use the optical viewfinder to take pictures. (→P.26)
- The image seen through the optical viewfinder differs slightly from the actual image photographed. To compose your picture precisely, use the LCD monitor.
- In some circumstances, it may be necessary to format the SmartMedia before you can take any pictures. (→P.55)
- Each time you press the <DISP> button, LCD monitor operation changes in the following sequence:

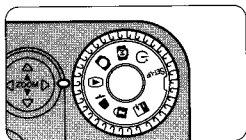


Subjects Not Suitable for Auto focus

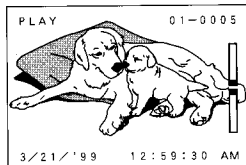
The PDR-M3 uses an accurate auto focus mechanism. However, the PDR-M3 may have difficulty focusing or not be able to focus at all for subjects and situations such as the following:

- Subjects moving at high speed.
- Very shiny subjects such as a mirror or car body.
- Subjects with little reflection, such as hair or fur.
- Subjects with no solidity, such as smoke or flames.
- Subjects viewed through glass.
- Subjects that have low contrast and merge into the background (such as white walls or subjects dressed in the same color as the background).
- When the subject is distant and dark.
- When there are objects in front of or behind the subject (such as an animal in a cage or a person in front of a tree).

1



Set the Mode dial to [▶].



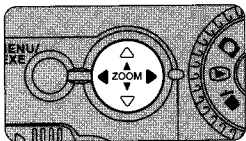
The last image frame recorded on the SmartMedia appears on the LCD monitor.



- Note**
- If the image on the LCD monitor is difficult to see, you can adjust the LCD monitor brightness. (→P.34)
 - Adjusting the LCD monitor brightness does not affect the brightness of the recorded image.
 - If you switch from a photography mode to Playback mode, the lens remains extended. Also, if you switch the camera on while it is in Playback mode, the lens remains retracted.

2

2



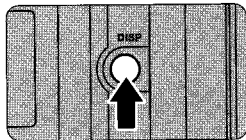
Frame advance/reverse

You can use the <▶> or <◀> button to move forward and backward through the recorded frames. Holding down either of the buttons automatically scrolls through the frames.

<▶> : Frame advance

<◀> : Frame reverse

3

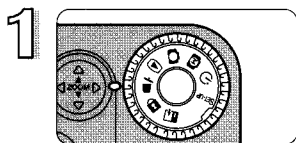


Erasing the text display

To remove the text display on the LCD monitor, press the <DISP> button.

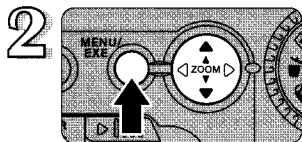
Erase Erasing Unwanted Images (Single-Frame Erase)

This method erases the selected frame.



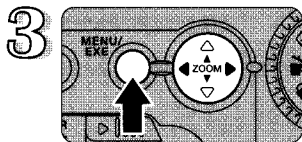
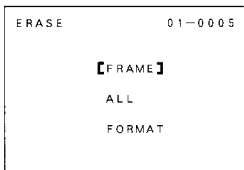
Set the Mode dial to [].

The menu screen appears.



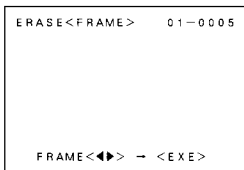
Select [FRAME] and press <MENU/EXE>.

Use the <▲> or <▼> button to select [FRAME] and then press the <MENU/EXE> button.

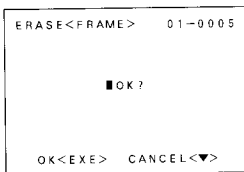


Select the image to be erased and press the <MENU/EXE> button.

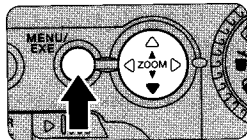
Use the <▶> or <◀> button to select the image to be erased and then press the <MENU/EXE> button.



2

4

A confirmation screen appears.

5

Press the <MENU/EXE> button.


To erase the image, press the <MENU/EXE> button. To keep the image, press the <▼> button.

6


A To erase more images

To go on and erase other images, repeat the procedure from step 3.

B To exit Erase mode

Switch the Mode dial to a setting other than [] to exit Erase mode.

Note

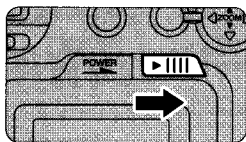
- You cannot use this method to erase protected images. If "▲ PROTECTED FRAME" appears on the LCD monitor, the image cannot be erased. To remove the protection, switch to [] Protect mode (➔P.57).
- If the SmartMedia is write protected (➔P.59), you cannot erase images or format the SmartMedia.
- To erase all the image frames at once, use Erase All (➔P.54).

2

EXIT Switching Off (Removing the SmartMedia)

First check that the camera is not recording image data.

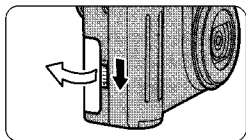
1



Switch the camera off.

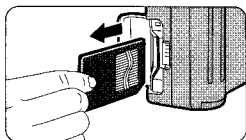
If the camera is on, slide the POWER button in the direction of the arrow and then release it.

2

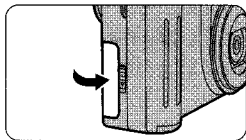


Remove the SmartMedia.

① Slide the SmartMedia cover release lever in the direction of the arrow to open the SmartMedia cover.



② Grip the SmartMedia with your fingertips and pull it out.



③ Close the SmartMedia cover.

IMPORTANT

- Always switch the camera off before removing or inserting a SmartMedia card.
- Never open the SmartMedia cover or remove the SmartMedia while image data is being recorded onto or played back from the SmartMedia. This can damage the data on the SmartMedia or damage the SmartMedia itself.

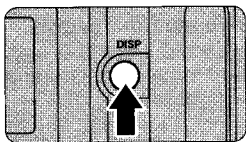
2

Adjusting the LCD Monitor Brightness

The LCD monitor brightness can only be adjusted in Normal, Manual or Playback mode.

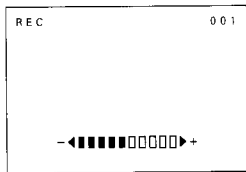
- Normal mode: When the setting is displayed on the screen with the live video image.
- Manual mode: When the setting is displayed on the screen with the live video image.
- Playback mode: When the setting is displayed on the screen during single-frame playback.

1

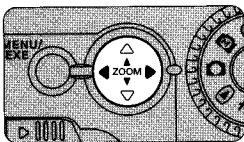


Hold down the <DISP> button.

When you hold down the <DISP> button for 2 seconds, the camera switches to LCD monitor brightness adjustment mode.



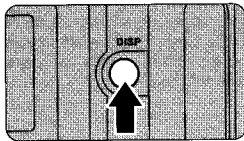
2



Adjust the brightness.

Press the <▶> or <◀> button to adjust the brightness.

3



Press the <DISP> button.

When you have finished setting the brightness, pressing the <DISP> button returns you to your previous screen.

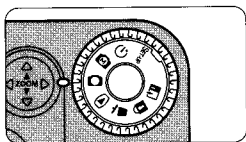


Note Adjusting the LCD monitor brightness does not affect the brightness of recorded images.

Taking Pictures Using the LCD Monitor

This section describes how to take pictures using the LCD monitor. For information on how to take pictures using the viewfinder, see "Taking Pictures Using the optical Viewfinder" (→P.26)

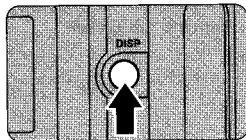
1



Set the mode dial to [LCD].

Remove the lens cover.

2



Press the <DISP> button.

The LCD monitor display goes on.

3



Hold the camera firmly in both hands.

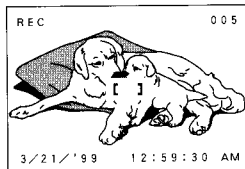
To prevent camera shake, hold the camera in both hands and brace your elbows against your sides.

Ensure that the lens and flash are not obscured by your hands or the hand strap.

Cleaning the Lens Surface

For optimum digital camera performance, make sure that the lens surface is free from dust, fingerprints, and other foreign particles. Gently wipe the lens surface clean with a soft dry cloth.

4



Look at the image on the LCD monitor to compose the picture.

A live video image (the image shown before you take the picture) as seen through the lens is shown on the LCD monitor.

Position the LCD monitor so that you are looking directly at the image.

3

Taking Pictures Using the LCD Monitor



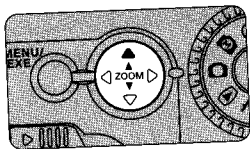
- If the image on the LCD monitor is difficult to see, you can adjust the LCD monitor brightness. (→P.34)
- Adjusting the LCD monitor brightness does not affect the brightness of the recorded image.

5

Determine the size of your subject.

Use the <▲> or <▼> button to determine the field of view.

The 3× zoom is equivalent to a 35-105mm zoom on a 35mm camera.



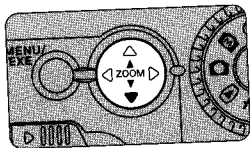
Zooming In

To make your subject appear larger in the picture, press the <▲> button.

Using the Digital 2× Telephoto

If you use the <▲> button to zoom in on your subject and then hold the button down for another 2 seconds, the camera doubles the size of the central portion of your image. This gives you a 6× zoom that is equivalent to about 210mm on a 35mm camera. The image size remains fixed at 640×480 pixels. However, because the central part of the image is digitally enlarged, the image quality may decrease due to enlargement. Press the <▼> button to cancel the digital telephoto.

3



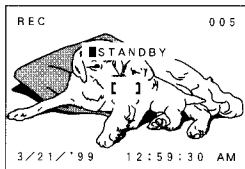
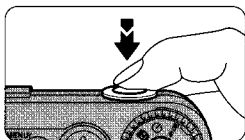
Zooming Out

To take a wider angle shot, press the <▼> button.



- The viewfinder also zooms in and out. (This does not apply to the digital 2× zoom.)
- The PDR-M3 can be zoomed out further than the default zoom setting used immediately after you switch the camera on.

6

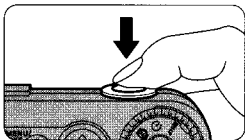


- Note**
- No image is shown while the exposure and focus are being set.
 - Once the exposure and focus are set, the "STANDBY" message appears on the LCD monitor.

Press the shutter button down halfway. (Press lightly until the button stops midway.)

- The AF (auto focus) and AE (automatic exposure control) functions begin to operate.
- The AF and AE settings are locked. (→ P.85)
- The viewfinder LED first flashes green (during AF and AE operation) and then stops flashing and remains lit (ready to shoot).

7



Without lifting your finger off, press the shutter button down fully.

- The buzzer sounds when the picture has been taken.
- While the image data is being recorded onto the SmartMedia, the viewfinder LED turns orange. You cannot take pictures while the lamp is orange (approx. 5 seconds).
- When recording is completed, the buzzer sounds and the number of shots available shown on the LCD panel decreases by 1.

IMPORTANT

- Moving the camera when you press the shutter button (camera shake) will result in a blurred image. Brace your elbows and hold the camera in both hands.
- If you press the shutter button down fully in one movement, the camera may not take a picture. If this happens, release the shutter button briefly and take the picture again by repeating steps 6 and 7.
- Always switch your camera off before inserting or removing a SmartMedia card.
- Never open the SmartMedia cover or remove the SmartMedia while an image is being recorded. This may corrupt the data on the SmartMedia or damage the SmartMedia itself.

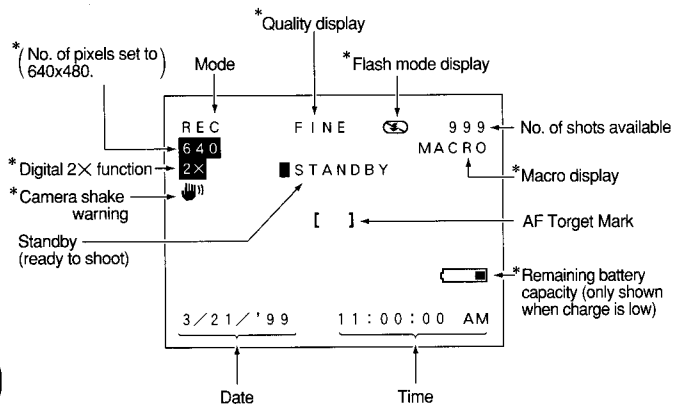
3

Taking Pictures Using the LCD Monitor

■ LCD Monitor

The LCD monitor on your digital camera is manufactured using advanced high-precision technology. Even so, small bright points and anomalous colors (particularly around text) may appear on the monitor. These are normal display characteristics and do not indicate a fault with the monitor. This phenomenon will not appear on the recorded image.

Example of LCD Monitor Text Display

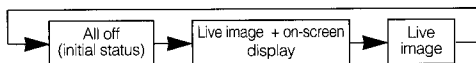


3

- *The above screen shows the NTSC model. The date order differs in the PAL model (day, month, year).
- *Asterisks indicate items that may not be displayed depending on the camera mode and photography conditions.






- Note** · The on-screen display may flicker momentarily after you record an image or switch modes. This does not affect the picture taken.
- Each time you press the <DISP> button, LCD monitor operation changes in the following sequence:



SET Button

The SET button allows you to specify the photography settings.

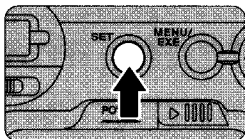
The SET button can only be used in Auto [], Manual [] or Self Timer [] mode.

- The SET button can be used to select the flash mode, image quality, image size and macro settings.
- The settings are maintained even after you switch the camera off.

Flash

Use this procedure to set the flash.

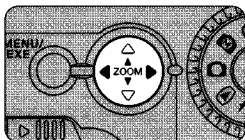
1



Press the <SET> button.

The SET menu appears on the LCD monitor.

2

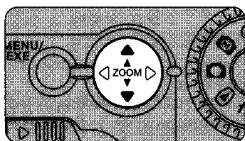


Select [FLASH].

Use the <▶> or <◀> button to select [FLASH].



3



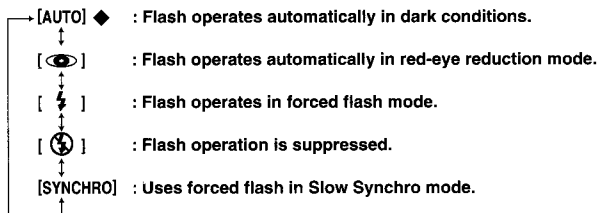
Change the setting.

Use the <▲> or <▼> button to change the setting.

3

SET Button

LCD Monitor Display Sequence] (◆: Denotes default setting.)



4 Press the <SET> or <MENU/EXE> button.
This completes the settings.

■ [AUTO]

In this mode, the flash operates automatically according to the shooting conditions. This mode is ideal for general photography where you are not trying to achieve any particular effect.

■ [Eye] Red-Eye Reduction

Use this mode to avoid the [red-eye effect] when photographing people in low-light conditions.

The flash emits a pre-flash just before the picture is taken and then flashes again to take the actual picture.

*Red-Eye Effect (⇒P.85)

■ [Lightning Bolt] Forced Flash

In this mode, the flash always operates.

Use Forced Flash to shoot pictures in artificial light (fluorescent lighting, etc.).

The flash also operates during macro photography.

■ [Prohibited Sign] Suppressed Flash

Use Suppressed Flash mode when you are taking pictures in indoor lighting at distances too great for the flash to have any effect, such as theater performances or indoor sporting events.

This mode stops the flash from operating.



- If you use Suppressed Flash mode when you are taking a picture in low-light conditions, use a tripod to prevent camera shake.
- If the Macro function is set to on when the flash is in Auto, Red-eye Reduction or Forced Flash mode, the camera automatically switches to Suppressed Flash mode. If you want to use the flash for Macro photography, switch on the Macro function and then specify Forced Flash mode.


■ [SYNC] Slow Synchro Mode



Set this mode to ON when you want to take a clear photograph of a subject such as a person against an evening backdrop.

In this mode, the flash is always used.

If you take a picture with Synchro set to ON, a slower than usual shutter speed is used and the

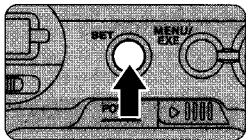
camera shake warning is displayed. When you press the shutter button down halfway, the viewfinder LED flashes green. If the LCD monitor is switched on, the camera shake warning [] appears. In this situation, you should use a tripod to prevent camera shake.

QUALITY

You can select any of 3 kinds of quality (image compression ratios), depending on the type of shot. The number of shots available (➡P.80) varies depending on the image quality you select. [NORMAL], [BASIC] or [FINE] appears on the LCD panel to indicate the image quality setting.

Select [FINE] when you want better image quality and [BASIC] when you want to fit more images on the SmartMedia.

1

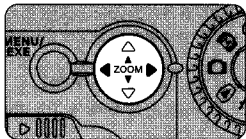


Press the <SET> button.

The SET menu appears on the LCD monitor.

3

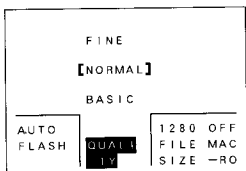
2



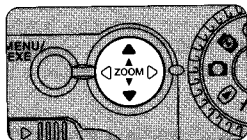
Select [QUALITY].

Use the <▶> or <◀> button to select [QUALITY].

SET Button



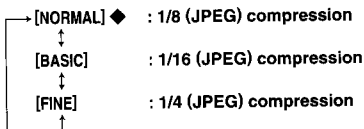
3



Change the setting.

Use the $\langle \blacktriangle \rangle$ or $\langle \blacktriangledown \rangle$ button to change the setting.

[LCD Monitor Display Sequence] (◆ : Denotes default setting.)



4

Press the $\langle \text{SET} \rangle$ or $\langle \text{MENU/EXE} \rangle$ button.

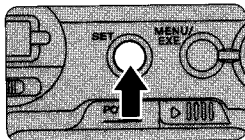
Confirm the Setting.

3

File Size

You can select either of two file size (number of pixels) settings depending on the type of shot. The number of shots available (➡P.80) varies depending on the file size setting you select. [1280] or [640] appears on the LCD panel to indicate the file size.

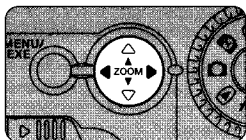
1



Press the $\langle \text{SET} \rangle$ button.

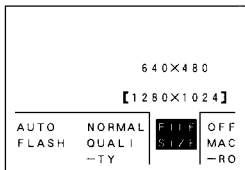
The SET menu appears on the LCD monitor.

2

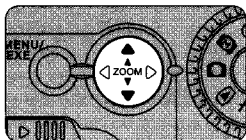


Select [FILE SIZE].

Use the <▶> or <◀> button to select [FILE SIZE].



3



Change the setting.

Use the <▲> or <▼> button to change the setting.

[LCD Monitor Display Sequence] (◆ : Denotes default setting.)

[1280x1024] ◆ : 1280x1024 Pixels



[640x480] : 640x480 Pixels


4

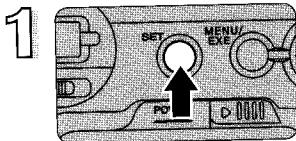
Press the <SET> or <MENU/EXE> button.

Confirm the Setting.

3

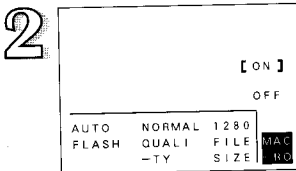
Macro (Close Up) Photography

Using the Macro (close-up) function, you can take pictures of subjects that are between 25cm and 90cm away from the camera. For Macro photography, you should shoot in Auto mode (→P.26) using the LCD monitor. You can also use [] Manual mode (→P.60) and check the image before it is recorded.



Press the <SET> button.

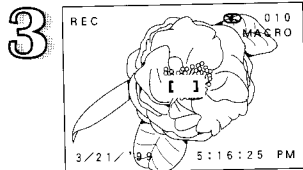
The SET menu appears on the LCD monitor.



Select Macro mode.

Use the <▶> or <◀> button to select [MACRO] and the <▲> or <▼> button to set the Macro function to ON.

The flash is automatically set to Suppressed mode and the live video image (image prior to shooting) appears on the LCD monitor.



Look at the image on the LCD monitor to compose the shot, and then take the picture.

If you are shooting in low-light conditions, you should use a tripod to prevent camera shake.

3

4 To exit Macro mode

Press the <SET> button and switch the MACRO setting to OFF to exit Macro mode.



- In Macro photography, the flash only operates when Forced Flash mode (→P.40) or Synchro mode (→P.41) is specified.
- If the LCD monitor is switched off, switching on the Macro function switches the LCD monitor on also. Similarly, switching the Macro function off also switches the LCD monitor display off.

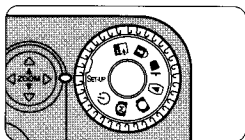
Setup Mode

[SETUP] mode can be used to specify 6 settings.

Each of the settings is retained when the camera is switched off.

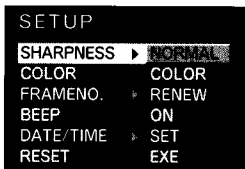
1. Sharpness
2. Color
3. Frame No. memory
4. Buzzer tone
5. Date and time (→P.25)
6. Reset


1 Set the Mode dial to [SETUP].



The SETUP screen appears.

2 Select a setting.



Use the <▲> or <▼> button to move the highlight [].

3 Change the setting.



Use the <▶> or <◀> button to change the setting.

Each time you press the button, the setting in field (A) changes.

For the "DATE/TIME" and "RESET" settings, press the <MENU/EXE> button to move to the respective setup screen.

Select the appropriate settings for the shooting conditions.

4 confirm the setting.

To confirm the settings, use the <▲> or <▼> button to move the cursor to the next setting or switch the Mode dial to another setting.

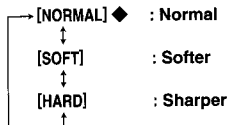
IMPORTANT

Removing the batteries or disconnecting the AC adapter while the camera is switched on can reset the settings and could cause camera malfunctions. Always switch the camera off first.

SHARPNESS

The Sharpness setting allows you to sharpen or soften the outlines in an image to suit the subject.

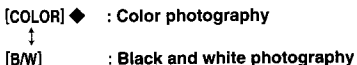
[LCD Monitor Display Sequence] (◆ : Denotes default setting.)



Color

Use this setting to select whether an image is recorded in color or in black and white. Black and white photography is ideal for monochrome subjects and as a way of recording documents.

[LCD Monitor Display Sequence] (◆ : Denotes default setting.)

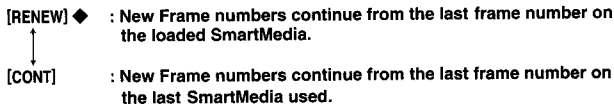


3

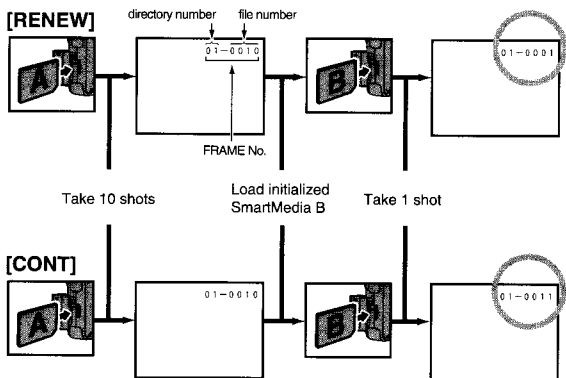
FRAME No.

Set the type of increment for recorded image frame numbers (file numbers). Switching the frame number memory option on is useful for organizing your image files since it prevents the duplication of file names when images are downloaded to a personal computer.

[LCD Monitor Display Sequence] (◆ : Denotes default setting.)



However, where the number of frames already stored on the SmartMedia is greater than the above last frame number, new frame numbers continue from the highest frame number on the SmartMedia.



FRAME No.

- * The first 2 digits of the frame number indicate the directory number while the remaining 4 digits are the file number.
- * The highest file number is 9999.
- * When file number 9999 is reached, the directory number increases by 1 and filing of images shot restarts from file number 0001.
- * The highest directory number is 99. When frame number 99-9999 is reached, set FRAME No. to OFF and erase some of the recorded images on the SmartMedia before using frame number memory again.

3

Setup mode

BEEP

This setting allows you to switch the camera buzzer on or off. Use the buzzer as appropriate.

[LCD Monitor Display Sequence] (◆ : Denotes default setting.)

- [ON] ◆ : The buzzer sounds (beeps) to indicate the camera status and specific camera operations.
- ↑
↓
- [OFF] : The buzzer emits no sound regardless of the camera status.

DATE / TIME

This setting specifies the date and time. (→P.25)

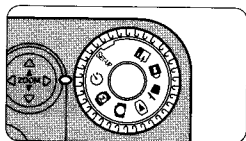
RESET

This function resets the settings to the default values (indicated by ◆) when you press the <MENU/EXE> button.

Note that the date and time are not reset.

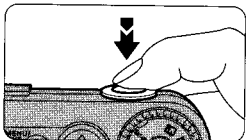
Self-Timer Mode

1



Set the mode dial to [].

2



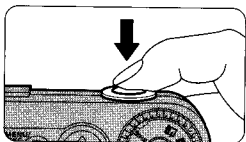
Compose the picture and press the shutter button down half way.

The camera automatically sets the exposure.

IMPORTANT

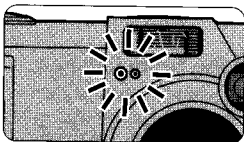
Do not stand in front of the camera when you press the shutter button as this can cause incorrect focusing and exposure.

3



Press the shutter button down fully.



4

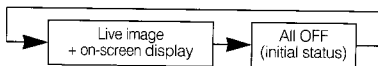


The self-timer lamp lights and then flashes.

The shutter operates after 10 seconds.



- To interrupt the self-timer, press the  button or set the Mode dial to another mode.
- When you are using the LCD monitor to shoot the picture, a countdown from 10 is displayed on the monitor.
- Each time you press the  button, LCD monitor operation changes in the following sequence:



3

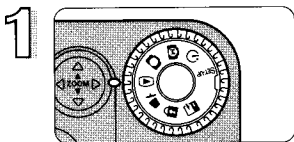
Playback Mode (Various Playback Functions)

In locations where you have access to a power outlet (indoors, etc.), use the PDR-ACM1 AC Adapter (included or sold separately).

You can also use a TV set to view your images. (→P.73)

Playback Zoom: Enlarging images by up to 400% on the monitor

Playback zoom displays images enlarged by up to 400% during single-frame playback (→P.30). Playback zoom can only be used during single-frame playback.

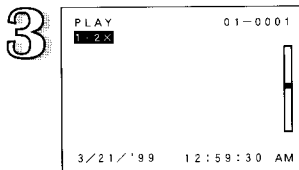


Set the Mode dial to [PLAY].

The last image frame appears on the LCD monitor.

2 **Select a frame.**

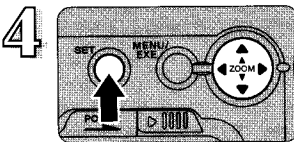
Use the <▶> or <◀> button to select the frame you want to enlarge.



Set the scale.

Use the <▲> or <▼> button to select the scale.

The scale is shown on the LCD monitor.



Move the zoom location.

You can move the zoom location by holding down the <SET> button and pressing the <▶>, <◀>, <▲> or <▼> button.

5 **Use frame advance to cancel playback zoom.**

Pressing the <▶> or <◀> button to move to the next or previous frame releases the playback zoom.

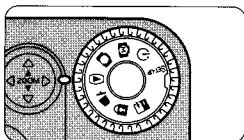


Pressing the <DISP> button during playback zoom switches the scale, frame number and date and time display on and off.

Multi-frame playback does not operate during playback zoom.

Multi-Frame Playback: Allows you to play back 9 images in one frame and to quickly select an image.

1



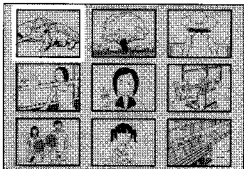
Set the mode dial to [▶].

The last recorded frame appears on the LCD.

2

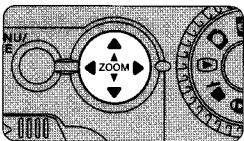


Press the <DISP> button twice.



The 9-part multi-frame image is played back.

3

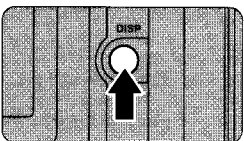


Select a frame.

When a 9-part multi-frame image is displayed, you can use the <▶>, <◀>, <▲> or <▼> button to move the cursor to the image you want to select.

- The frame number is only shown when the cursor has been moved.
- Hold down one of the <▶>, <◀>, <▲> or <▼> button to move the cursor more quickly.

4



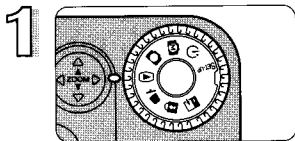
Press the <DISP> button.

The selected frame is displayed on the LCD monitor in single-image playback mode.

3

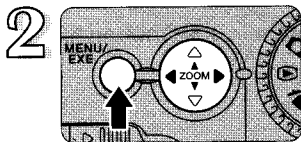
Playback Mode (Various Playback Functions)

Auto Play: Automatically plays back successive frames.



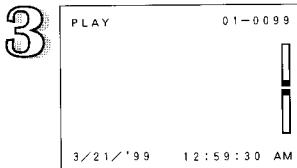
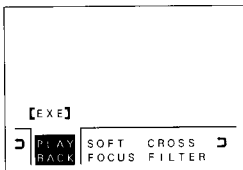
Set the Mode dial to [▶].

The last image frame appears on the LCD monitor.



Press the <MENU/EXE> button and select [AUTO PLAY].

Use the <▶> or <◀> button to select [AUTO PLAY].



Press the <MENU/EXE> button.

Automatic playback begins.

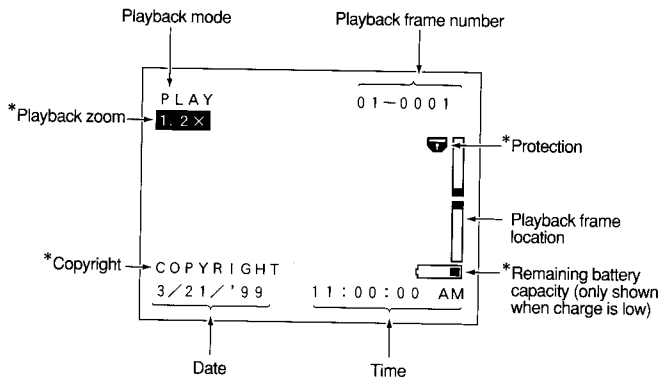
4 To cancel automatic playback

Press the <MENU/EXE> button, press the <MENU/EXE> button once and then press the <MENU/EXE> button again.



- Note**
- The Auto Power Off function (▶P.86) does not operate during automatic playback.
 - Pressing the <DISP> button during automatic playback switches the frame number and date and time display on and off.

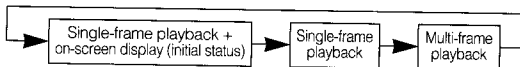
Example of LCD Monitor Text Display



- The above screen shown the NTSC model. The date order differs in the PAL model (day, Month, Year).
- Asterisks indicate items that may not be displayed depending on the camera mode and photography conditions.



- Note**
- If you are playing back images recorded on a different type of Toshiba digital still camera (not the PDR-M3), the information displayed (playback mode, frame number, etc.) may differ from what is shown in this example.
 - Each time you press the <DISP> button, LCD monitor operation changes in the following sequence:



Erase Mode

You can select three types of erase mode: Erase Frame, Erase All, and Format

Erase Frame

This method erases the selected frame. (⇒P.31)

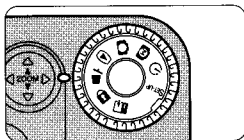


Note Press the <DISP> button to select the frame to be erased in the same way as in 9-shot multi-frame playback.

Erase All

This operation erases all the unprotected frames (⇒P.57) on a SmartMedia.

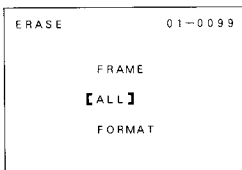
1



Set the Mode dial to [].

The menu screen appears.

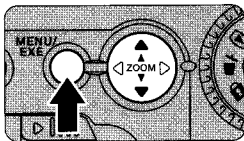
2



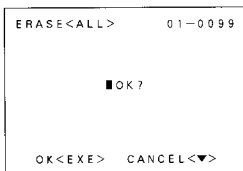
Select [ALL] and press the <MENU/EXE> button.

Use the <▲> or <▼> button to select [ALL] and then press the <MENU/EXE> button.

3

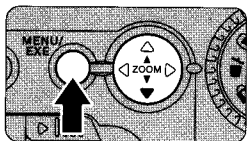


3



A confirmation screen appears.

4



Press the <MENU/EXE> button.

Press the <MENU/EXE> button to erase the frames and the <▼> button to exit erase mode without erasing the frames.



Note When you erase all the frames in a directory, the directory number is still retained. (→P.47)

Images shot subsequently are recorded in the directory with the highest saved directory number.

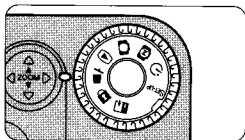
Format (Initialize)

Formatting erases all the frames on the SmartMedia card, including any protected frames (→P.57), and formats the SmartMedia.

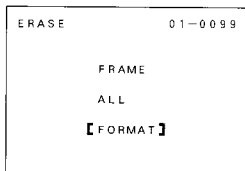
IMPORTANT

Always use the camera to format a SmartMedia.

1



Set the Mode dial to [].



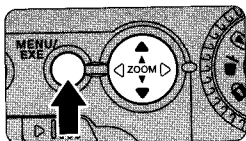
The menu screen appears.

• Setup note

If the frame number memory (→P.46) option is on [CONT] when frames are erased (using Erase Frame, Erase All or Format), the directory number is retained. Image shot subsequently are recorded in the directory with the highest saved directory number, with frame numbers continuing from the highest file number used in that directory before the erase/format operation.

Erase Mode

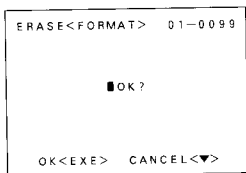
2



Select [FORMAT] and press the <MENU/EXE> button.

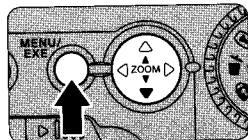
Use the <▲> or <▼> button to select [FORMAT] and then press the <MENU/EXE> button.

3



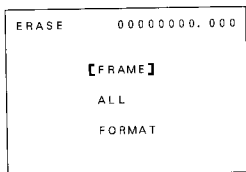
A confirmation screen appears.

4



Press the <MENU/EXE> button.

Press the <MENU/EXE> button to format the SmartMedia and the <▼> button to exit without formatting the SmartMedia.



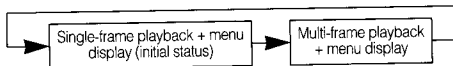
The menu screen returns.

3




Note

- When you format a SmartMedia, the directory number is reset (➔P.47). Images shot subsequently are recorded in directory number "01".
- Each time you press the <DISP> button, LCD monitor operation changes in the following sequence:



Protect Mode (Protecting Your Images)

4 The image is protected.

The Protection icon [] is displayed under the frame number to indicate that the frame is protected.

5 Remove the frame protection.

Use steps 1 to 3 above to select the image from which protection is to be removed and then press the **<MENU/EXE>** button.

The protection icon under the frame number disappears and the frame protection is removed.

6 To Repeat the Procedure.

To protect or remove the protection from another frame, repeat the procedure from step 3.

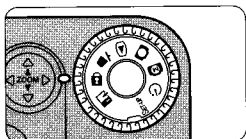
To Exit.

To exit Protect mode, switch the mode dial to a setting other than [].

Removing Protection for All Frames

This procedure removes the protection from all protected frames.

1

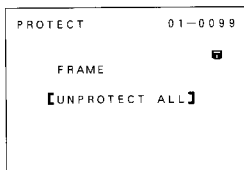


Set the Mode dial to [].

The menu screen appears.

3

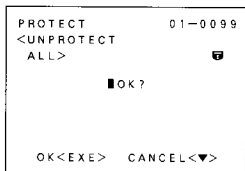
2



Select [REMOVE ALL] and press the **<MENU/EXE>** button.

Use the **<▲>** or **<▼>** button to select [REMOVE ALL] and then press the **<MENU/EXE>** button.

3



A confirmation screen appears.

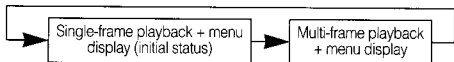
4

Press the **<MENU/EXE>** button.

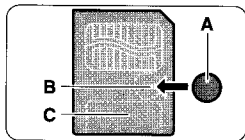
Press the **<MENU/EXE>** button to remove the protection or press the **<▼>** button to exit without removing the protection.



Note Each time you press the **<DISP>** button, LCD monitor operation changes in the following sequence:



Write Protection



To prevent the inadvertent erasing of important data, stick a write-protect seal (**A**) over the write-protect area (**B**) on the SmartMedia card. This seal makes it impossible to record data to or erase data from the card. To record or erase data, remove the seal.

3

IMPORTANT

- The write protection may not function if the seal becomes soiled. Use a soft, dry cloth to wipe away any soiling. Removed stickers cannot be reused.
- Use only the labels or write-protect stickers supplied with the SmartMedia.
- Take care not to cut your fingers on the edge of the write-protect sticker.
- Ensure that the label is attached within the designated area (C).

Manual Mode

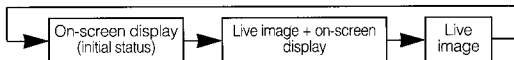
Manual mode allows you specify the settings used to take a photograph and to view the shot you have taken on the LCD monitor before you decide whether to record the shot on the SmartMedia.

The settings specified in Manual mode are retained even after you switch the camera off.

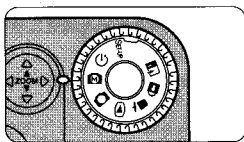


Note

- The white balance, brightness (exposure compensation), flash correction, AE and external flash synchronization settings specified in Manual mode are only valid in Manual mode. If you switch the camera off, all the settings are retained for Manual mode.
- If you replace the battery with the camera switched on or disconnect the AC adapter, the settings may revert to their default values. For this reason and because it could cause camera malfunctions, you should always switch the camera off before you replace the battery or disconnect the AC adapter.
- Each time you press the **<DISP>** button, LCD monitor operation changes in the following sequence:



1



Set the Mode dial to [**M**].

If the menu screen is no longer shown on the LCD monitor, press the **<DISP>** button.

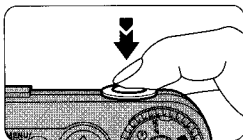
3



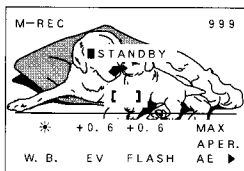
Note

- If the LCD monitor is difficult to see, you can adjust the LCD monitor brightness. (→P.34)
- Adjusting the LCD monitor brightness does not affect the brightness of the recorded image.

2

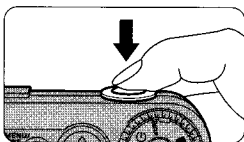


Compose the picture and press the shutter button down half way.



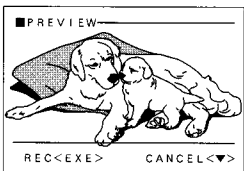
The camera automatically sets the exposure.

3



Press the shutter button down fully.

4



The preview image appears on the LCD monitor.

5

Press the **<MENU/EXE>** button.

To record the image onto the SmartMedia, press the **<MENU/EXE>** button. To exit without recording the image, press the **<▼>** button.

3

IMPORTANT

- Always switch your camera off before inserting or removing a SmartMedia card.
- Never open the SmartMedia cover or remove the SmartMedia while an image is being recorded. This may corrupt the data on the SmartMedia or damage the SmartMedia itself.

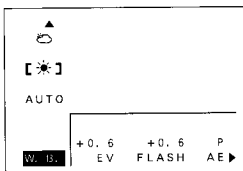
Setting the White Balance (Compensating for Color Variations due to Lighting)

You can select any of 6 white balance settings (Auto, Outdoor, Shade, Fluorescent 1, Fluorescent 2 or Incandescent) to adjust the white balance for the type of illumination. The Auto setting is normally used. Use the other settings to set the white balance when you are shooting in shadow or in special lighting.

1 Set the Mode dial to [M].

If the menu screen is not shown on the LCD monitor, press the <DISP> button.

2



Select [W.B.].

Use the <▶> or <◀> button to select [W.B.].

3

Select the white balance setting.

Use the <▲> or <▼> button to select the white balance setting.

[AUTO]: Automatic adjustment

[☀]: Shooting outdoors (in fine weather)

[☁]: Shooting in shade (cloudy weather)

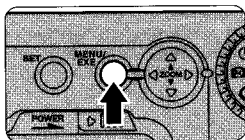
[☎]: Shooting in fluorescent light (in bluish light)

[☎]: Shooting in fluorescent light (in reddish light)

[⚡]: Shooting in incandescent light

3

4



Press the <MENU/EXE> button.

This confirms the selected setting.



- The default setting is [AUTO].
- This setting does not apply when the flash is used.

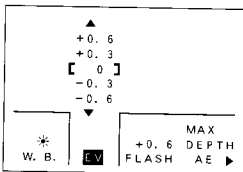
Exposure Compensation (Adjusting the Image Brightness)

Use this setting to achieve the optimum image brightness (exposure) when the subject is very small in the picture or when the subject is much brighter or darker than the background.

1 Set the Mode dial to [M].

If the menu screen is not shown on the LCD monitor, press the <DISP> button.

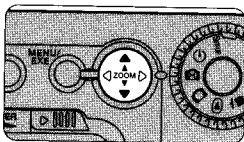
2



Select [EV].

Use the <▶> or <◀> button to select [EV].

3



Select the setting.

Use the <▲> or <▼> button to select the brightness (exposure compensation) setting.

<▲> : Brightens the image.

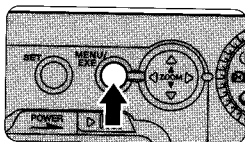
<▼> : Darkens the image.

There are 9 compensation levels (-0.9 to 1.5 in 0.3EV increments).



Note When you are shooting in low-light conditions, pressing the <▲> button may not make the image brighter.

4



Press the <MENU/EXE> button.

This completes the settings.



- The default setting is "0".
- If the subject is dark, the brightness of the live video image (the image shown before you take the picture) may not change. Press the shutter button and check the brightness of the preview image (photographed still image).
- This setting does not apply when the flash is used.

3

Exposure compensation is particularly effective for the types of subject listed below. The figures in parentheses indicate suggested compensation settings.

Positive (+) Compensation

- Copying of printed text (black characters on white paper) (+1.5 EV)
- Backlit portraits (+0.6 to +1.5 EV)
- Very bright scenes (such as snowfields) and highly reflective subjects (+0.9 EV)
- Shots made up predominantly of sky. (+0.9 EV)

Negative (-) Compensation

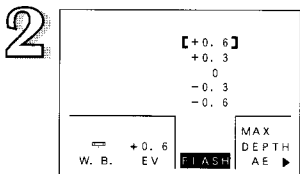
- Spotlit subjects, particularly against dark backgrounds (-0.6 EV)
- Copying of printed text (white characters on black paper) (-0.6 EV)
- Scenes with low reflectivity, such as shots of green or dark foliage (-0.6 EV)

Setting the Flash Correction (To Change the Flash Brightness when Shooting)

Use this setting to achieve the optimum image brightness (exposure) when the subject is very small in the picture or when the subject is much brighter or darker than the background.

1 Set the Mode dial to [M].

If the LCD monitor is switched off, press the <DISP> button.



Select [FLASH].

Use the <▶> or <◀> button to select [FLASH].

3 Select the flash brightness setting.

Use the <▲> or <▼> button to select the flash brightness setting.

<▲> : Increases the flash brightness.

<▼> : Decreases the flash brightness.

There are 5 compensation levels (-6, to +6, EV in approx. 0.3 EV Steps)

Note If you are shooting in dark conditions or if the subject is too far away, pressing the <▲> button may not give a brighter picture.

3

4 Press the <MENU/EXE> button.

This completes the settings.

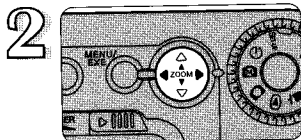
Note

- The default setting is "0".
- This setting does not change the brightness of the live video image (the image shown before you take the picture). To check the flash brightness, press the shutter button and view the preview image (photographed still image).

Setting the AE (To Set the Aperture for Your Shot)

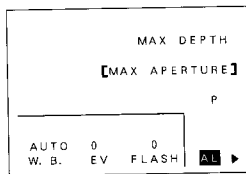
- [P] : Program AE mode. The camera sets the aperture and shutter speed.
- [MAX APERTURE] / [MAX DEPTH] : Modes in which you can select the aperture used for the shot.
- Selecting [MAX APERTURE] gives you a narrow depth of field so that only the area immediately around your main subject is in focus and the background is out of focus.
 - Selecting [MAX DEPTH] gives you a wide depth of field so that both near and far objects in your picture are in focus.

1 Set the Mode dial to [**M**].
If the LCD monitor is switched off, press the [DISP] button.



Select [AE].

Use the <▶> or <◀> button to select [AE].



3 Select the AE mode.

Use the <▲> or <▼> button to select the AE mode.

[P] : Program AE

[MAX APERTURE] / [MAX DEPTH] : Aperture-priority AE

4 Confirm the selected setting.

Press the <SET> or <MENU/EXE> button to confirm your setting.

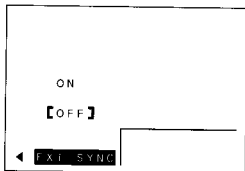
Setting the External Flash Synchronization

Use this mode when you want to synchronize the flash with an external flash unit. Connect a commercially available flash synchronizing slave unit to an external flash (also commercially available) and then operate the external flash from the built-in flash on the PDR-M3.

1 Set the Mode dial to [M].

If the LCD monitor is switched off, press the <DISP> button.

2



Select [EXT-SYNC].

Use the <▶> or <◀> button to select [EXT-SYNC].

3

Select [ON].

Use the <▲> button to select [ON].

4

Press the <MENU/EXE> button.

This confirms the setting.



- Place the slave unit within the effective range of the built-in flash on the PDR-M3 (about 2 meters). The effective range of the built-in flash decreases when [EXT-SYNC] is set to [ON].
- The shutter speed and aperture settings are fixed at 1/125 sec. and F7.6 respectively. Adjust the external flash brightness to give the optimum exposure at these settings.
- These settings take priority over the flash mode specified by the <SET> button.
- The white balance is fixed at a color temperature close to that of the large flash units normally used in studio photography (5,700K). Set the color temperature of the external flash unit to this value.

3

Filter Functions (Editing Images During Playback)

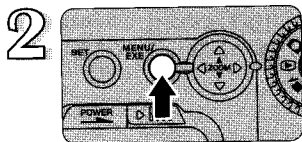
Soft Focus

The soft filter effect allows you to view an image in single-frame playback as if it had been shot in soft focus.

1 Select a frame.

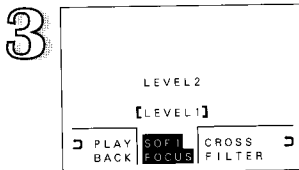
In single-frame playback, select the image to which you want to apply the soft focus filter.

See P.30 for information on how to use single-frame playback.



2 Press the <MENU/EXE> button.

The menu screen appears.



3 Select [SOFT FOCUS].

Use the <▶> or <◀> button to select [SOFT FOCUS].

The soft focus filter selection screen appears.



Note Select [BACK] and press the <MENU/EXE> button to return to the single-frame playback screen.

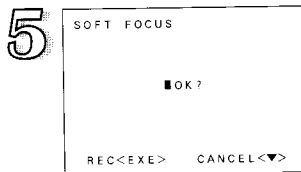
3

4 Select the filter strength.

Use the <▲> or <▼> button to select the filter.

[LEVEL1]: Strong filter effect

[LEVEL2]: Weak filter effect



5 Press the <MENU/EXE> button.

When you press the <MENU/EXE> button, the Soft Focus confirmation screen is displayed.

● To record the image

Press the <MENU/EXE> button to record the soft focus image in the last frame.



Original image

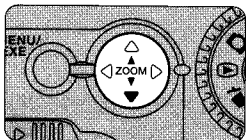


Soft focus image



- Note**
- The soft focus image is recorded in the last frame. The original image is left unchanged.
 - If all the frames on the SmartMedia already contain recorded images, "▲ CAN'T EXECUTE" appears on the LCD panel. In this case, erase an unwanted frame and try again.

6



When you do not want to record the image...

Press the <MENU/EXE> button to return to the menu screen.

Cross Filter

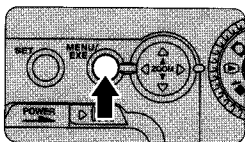
The cross filter(starburst) effect allows you to view an image in single-frame playback as if it had been shot using a cross filter.

1 Select a frame.

In single-frame playback, select the image to which you want to apply the cross filter.

See P.30 for information on how to use single-frame playback.

2



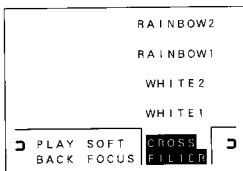
Press the <MENU/EXE> button.

The menu screen appears.

3

Filter Functions (Editing Images During Playback)

3



Select [CROSS FILTER].

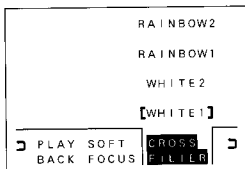
Use the <▶> or <◀> button to select [CROSS FILTER].

The soft focus filter selection screen appears.



Select [BACK] and press the <MENU/EXE> button to return to the single-frame playback screen.

4



Select the filter type and strength.

Use the <▲> or <▼> button to select the filter.

[WHITE1] / [WHITE2]

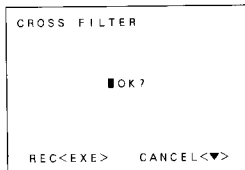
: Shows reflected light in white.

[RAINBOW1] / [RAINBOW2]

: Shows reflected light in rainbow colors.

In each case, 1 indicates a strong filter effect and 2 indicates a weak filter effect.

5



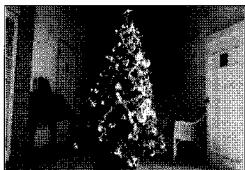
Press the <MENU/EXE> button.

When you press the <MENU/EXE> button, the Cross Filter confirmation screen is displayed.

● To record the image

Press the <MENU/EXE> button to record the cross filter image in the last frame.

3



Original image



Cross filter image



Note

- The soft focus image is recorded in the last frame. The original image is left unchanged.
- If all the frames on the SmartMedia already contain recorded images, "▲ CAN'T EXECUTE " appears on the LCD panel. In this case, erase an unwanted frame and try again.

6

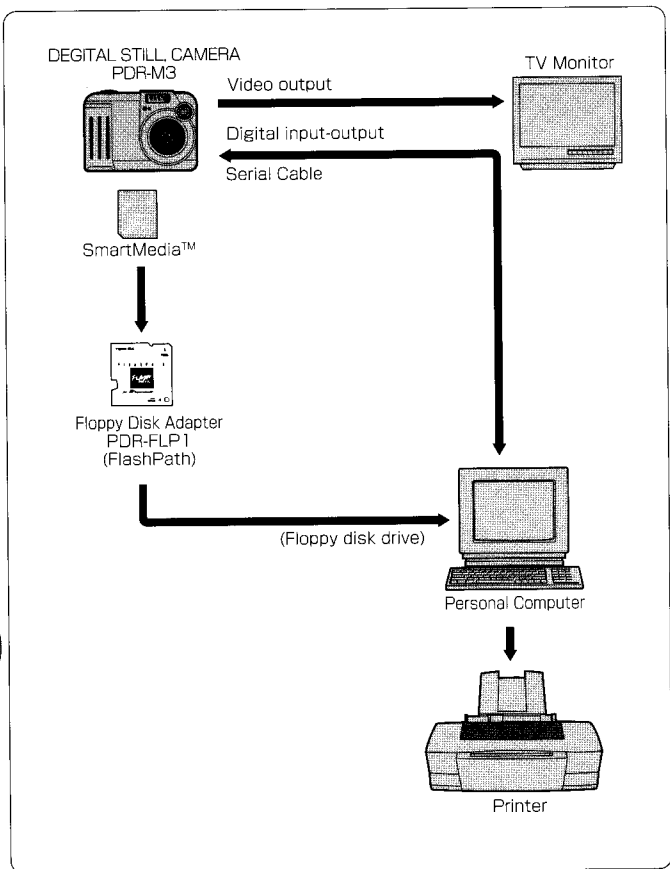
When you do not want to record the image...

Press the <▼>button to return to the menu screen.

The processing time required varies depending on the type of filter selected and the size of the image.

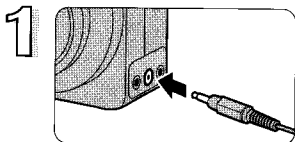
System Expansion Options

By using the PDR-M3 together with other optional accessories, your system can be expanded to fill a wide range of uses.



Using a TV to Take Pictures and View Images

To use a television to take pictures and view images, first connect the camera (NTSC or PAL model) to the television (NTSC or PAL model). In locations with access to a power outlet (indoors, etc.), use the PDR-ACM1 (included or sold separately).

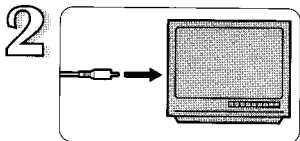


Connect the video cable to the camera.

Switch all the equipment off and plug the video cable (supplied) into the VIDEO OUT socket on the camera.

IMPORTANT

- Always switch all devices off before connecting them together.
- If you connect the camera and TV while they are switched on, screen display may be disrupted so that images cannot be viewed properly. When you are connecting up the equipment, always make sure that everything is switched off.
- When the video cable is connected, no image appears on the LCD monitor.
- The NTSC model must be connected to a TV with NTSC video-in capability. The PAL model must be connected to a PAL system TV.



Connect the TV set.

Plug the other end of the video cable into the video input socket on the television.

3 Take a picture (or view an image).

See P.26 for information on how to take pictures and P.30 and P.50 for information on how to play back images.



Note The live video image (the image shown before a picture is taken) is not quite as clear as the image shown in playback mode. (The resolution is lower.)

4

Transferring Images to a PC (PC Mode)

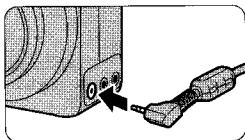
In PC mode, you can connect the camera to a personal computer using a special cable (supplied) to transfer image data.

Note As well as exchanging image data with a PC, PC mode also allows you to transfer images directly from a SmartMedia card to a PC using the PC card adapter and floppy disk adapter (FlashPath) accessories (sold separately). When you are using optional accessories, always refer to their respective user manuals.

IMPORTANT

- Install the software on your personal computer before you connect the camera and computer together.
- Always switch the camera and computer off before you connect them together.

1



Connect the cable to the DIGITAL socket on the camera.

Switch the camera off and plug one end of the connection cable into the DIGITAL input/output socket on the camera.

IMPORTANT

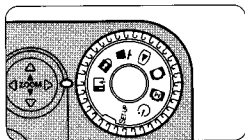
Do not insert any plug other than the special connection cable into the DIGITAL socket as this could cause a fault. Check also that the plug is inserted fully into the socket.

2

Connect the cable to the PC.

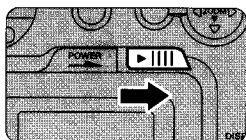
WindowsAny of ports COM1 to COM4
MacintoshModem or printer port

3

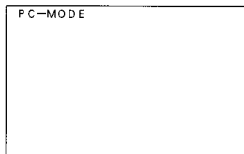


Set the Mode dial to [].

4



Switch the camera on.



"PC-MODE" appears on the LCD monitor.

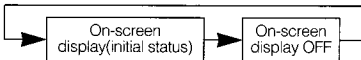
5

Switch the PC on and start up the application software.

Perform all subsequent operations from your personal computer. Refer to the manuals supplied with the application software for information on how to use the software.














! IMPORTANT

- If the power is switched off during data transmission, the image data will not be received correctly. To avoid data transfer failure due to depleted battery charge, use the PDR-ACM1 AC Adapter (included or sold separately).
- The Auto Power Off function does not operate in PC mode.
- To switch the camera to another mode after using PC mode, switch the camera off, select the new mode and then switch the camera back on.
- Each time you press the <DISP> button, LCD monitor operation changes in the following sequence:



Warning Displays

The table below lists the warnings that are displayed on the LCD monitor.

Explanation	Warning Displayed
	The camera battery is low on charge.
 NO CARD	No SmartMedia is loaded, or it is loaded incorrectly.
 CARD NOT INITIALIZED	The SmartMedia is not formatted.
 CARD ERROR	The SmartMedia is damaged. The SmartMedia format is incorrect.
 CARD FULL	All the frames on the SmartMedia contain recorded images.
 PROTECTED CARD	The SmartMedia is write-protected.
 FRAME ERROR	An attempt was made to playback incorrectly recorded data.
 READ ERROR	An attempt was made to playback a frame not recorded on this camera.
 FILE LIMIT	The frame number has reached 99-9999.
	There is a strong likelihood of camera shake because the shutter speed is slow.
 PROTECTED FRAME	A protected frame was erased.
 AF	The AF (auto focus) cannot work effectively.
 CAN'T EXECUTE	The filter function cannot be used (The SmartMedia is full).

Viewfinder LED

The table below lists the viewfinder LED displays and their meanings.

Viewfinder LED		Meaning
Color	Status	
Green	ON	Ready to shoot
	Flashing (Shutter button pressed down full way)	AF or AE operating, or camera shake/AF warning
Orange	ON	Image being recorded onto the SmartMedia.
	flashing	Flash charging
Red	Flashing (Shutter button pressed down full way)	<ul style="list-style-type: none">● SmartMedia is not loaded.● SmartMedia is not formatted.● Incorrect format.● SmartMedia write-protected.● No free space.● SmartMedia is damaged.● The lens cover is closed. * Error details can be checked on the LCD.



The viewfinder may flash orange for a few seconds when you press the shutter button. This does not affect the photograph.

Troubleshooting

Before you decide the camera is faulty, check the following once more:

Problem	Cause	Remedy
No power	<ul style="list-style-type: none">• The battery is exhausted.• The AC adapter plug has come out of the power outlet.• The Mode dial is set incorrectly.	<ul style="list-style-type: none">• Use the camera to charge the battery.• Load a new battery.• Plug the adapter back in.• Move the Mode dial to the correct setting.
Camera turns off during operation.	<ul style="list-style-type: none">• The battery is exhausted.	<ul style="list-style-type: none">• Use the camera to charge the battery.• Load a new battery.
Battery runs out quickly.	<ul style="list-style-type: none">• You are using the camera in extremely cold conditions.• The terminals are soiled.• The battery has reached its effective life.	<ul style="list-style-type: none">• Put the battery in your pocket or another warm place to heat it and then load it into the camera just before you take a picture.• Wipe the battery terminals with a clean, dry cloth.• Load a new fully charged battery.
No photograph is taken when the shutter button is pressed.	<ul style="list-style-type: none">• No SmartMedia is loaded.• The SmartMedia is loaded backwards or upside down.• All the frames on the SmartMedia contain recorded images.• The SmartMedia is write-protected.• The SmartMedia is not formatted.• The SmartMedia contact area is not clean.• The SmartMedia is damaged.• The Auto Power Off function has switched the camera off.• The battery is exhausted.	<ul style="list-style-type: none">• Load a SmartMedia.• Load the SmartMedia correctly.• Load a new SmartMedia or erase a frame.• Remove the write-protection.• Format the SmartMedia.• Wipe the SmartMedia contact area with a clean dry cloth.• Load a new SmartMedia.• Switch the camera on.• Load a new fully charged battery.

Problem	Cause	Remedy
I can't use the flash to take pictures.	<ul style="list-style-type: none"> • The Mode dial has been moved to another setting. • The flash is set to Suppressed Flash mode. • You pressed the shutter button while the flash was charging. 	<ul style="list-style-type: none"> • Set the Mode dial to the correct setting. • Set the flash to Auto, Red-Eye Reduction or Forced Flash mode. • Wait until charging is completed before pressing the shutter button.
The flash will not charge.	<ul style="list-style-type: none"> • No compatible SmartMedia is loaded. • The camera is set to Suppressed Flash mode. • The battery is exhausted. 	<ul style="list-style-type: none"> • Load a new SmartMedia, erase a frame, or remove the write-protection. • Set the flash to Auto, Red-Eye Reduction or Forced Flash mode. • Load a new battery.
The playback image is too dark even though I used the flash.	<ul style="list-style-type: none"> • The subject is too far away. 	<ul style="list-style-type: none"> • Move closer to the subject.
The playback image is blurred.	<ul style="list-style-type: none"> • The lens is not clean. 	<ul style="list-style-type: none"> • Clean the lens.
I cannot format the SmartMedia.	<ul style="list-style-type: none"> • The SmartMedia is write-protected. 	<ul style="list-style-type: none"> • Remove the write-protection.
I cannot erase all the frames.	<ul style="list-style-type: none"> • The frame is protected. 	<ul style="list-style-type: none"> • Remove the frame protection.
Nothing happens when I use the camera buttons and switches.	<ul style="list-style-type: none"> • Camera malfunction. • The Mode dial has been moved to another setting. 	<ul style="list-style-type: none"> • Remove the battery or AC power adapter once, and retry. • Remove the battery, re-insert them and try again.
No image appears when I press the <DISP> button.	<ul style="list-style-type: none"> • The video cable is being used for video output. 	<ul style="list-style-type: none"> • Disconnect the video cable.

Specifications

System

Model
Storage media
Number of frames

Digital camera
SmartMedia (3.3V)

Quality Mode	Compression Ratio	File Size*	4MB	8MB	16MB
FINE	1/4	Approx. 650KB	5	12	24
		Approx. 160KB	24	49	98
NORMAL	1/8	Approx. 330KB	11	23	47
		Approx. 85KB	45	91	183
BASIC	1/16	Approx. 170KB	22	46	92
		Approx. 50KB	80	160	322

* Top: 1,280 × 1,024 pixels

* Bottom: 640 × 480 pixels

Recording format
Scanning resolution
Pickup elements

JPEG-compliant (Exif Ver. 2.1)
1,280 × 1,024 or 640 × 480 pixels
1/2-inch square-pixel interlined-format primary color CCD
Total number of pixels: Approx. 1.5 million

Sensitivity
Lens
Focal length
Viewfinder
Exposure control

Equivalent to ISO 100
3× zoom lens
7.4 mm to 22 mm (equivalent to 35-105 mm on a 35 mm camera)
Frame coverage: Approx. 80%
TTL 64-zone metering, program AE (exposure compensation and aperture-priority AE available in Manual mode)

White balance

Auto selected
6 settings selectable in Manual mode

Focal range

Normal: Approx. 90 cm to infinity
Macro: Approx. 25 cm to 90 cm

Shutter speed
Aperture
Self-Timer

Variable, 1/4 to 1/1,000 sec. (auto selected)
F3.8/F7.6 (wide edge) to F5.5/F11 (tele edge)
10 sec. timer

5 Erase modes
LCD monitor
Flash

Single-frame erase; All-frame erase; Format (initialize)
1.8-inch, D-TFD, 70,000 pixels
Auto-flash with flash control sensor
Effective range : Approx. 0.4 m (1.57 in.) to 2.0 m (7.87 in.)
(telephoto, no pre-flash)
: Approx. 0.4 m (1.57 in.) to 3.0 m (11.81 in.) (wide-angle, no pre-flash)

Video output

Flash modes: Auto, Red-Eye Reduction, Forced Flash, Suppressed Flash, Synchro
NTSC (US/Canada model) / PAL (Europe model)

Input/Output Terminals

Video Output	Mini pin-jack (3.5 mm dia.) (1), 1 Vp-p, 75Ω, unbalanced, synchronized negative (NTSC/PAL)
Digital (RS-232C / RS-422)	Stereo mini-jack (2.5 mm dia.) (1) for image data transfer to and from a personal computer
DC Input	Socket for connecting specified PDR-ACM1 AC adapter

Power Supply and Others

Power supply	NP-100 rechargeable lithium-ion battery (included or sold separately) or specified PDR-ACM1 AC Adapter (included or sold separately)
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No. of available shots using battery (battery life)	Battery type	With LCD monitor ON	With LCD monitor OFF
	NP-100 battery	Approx. 100 frames*	Approx. 230 frames*

*With fully charged battery

- This indicates the number of available frames shot consecutively at room temperature with a flash use rate of 50%. Note that these figures may vary depending on the ambient temperature and the amount of charge in the battery.

Operating conditions	Temperature: 0°C to +40°C (+32°F to +104°F); 80% humidity or less (no condensation)
Camera dimensions	122 mm × 85 mm × 60 mm (4.8 in. × 3.35 in. × 2.38 in.) (W × H × D) (excluding accessories and attachments)
Camera mass	Approx. 340g (12 oz) (excluding accessories, battery and SmartMedia)
Camera mass for shooting	Approx. 390g (13.8 oz) (with NP-100 battery fitted)*
Accessories	See P.15
Optional Accessories	See P.83

AC Adapter PDR-ACM1

Power Supply	AC120V 60Hz (U.S.A. and Canada) AC230V 50Hz (other countries)
Rated Input Capacity	12W (U.S.A. and Canada) / 120 mA (other countries)
Rated Output	DC5.0V 1.5A
Temperature During Use	-0°C~+40°C
Storage Temperature	-10°C~+70°C
Dimensions(MAX.)	48 (W) × 26 (H) × 70 (D) mm [1.9 (W) × 1.0 (H) × 2.8 (D) in.] (U.S.A. and Canada)

Specifications

Mass(Weight)	49.5 (W) X 60.5 (H) X 76 (D) mm
	[1.9 (W) X 2.4 (H) X 3.0 (D) in.] (U.K. and Hong Kong)
	49.5 (W) X 66.5 (H) X 76 (D) mm
	[1.9 (W) X 2.6 (H) X 3.0 (D) in.] (European Continent)
	90g (3.2oz) (U.S.A. and Canada)
	Approx. 130g (4.5oz) (other countries)
Connection Cord Length	Approx. 2m
Accessories	Operating Instructions (1 copy)

*These specifications are subject to change without notice.

*The LCD monitor on your digital camera is manufactured using advanced high-precision technology. Even so, small bright points and anomalous colors (particularly around text) may appear on the monitor. These are normal display characteristics and do not indicate a fault with the monitor. This phenomenon will not appear on the recorded image.

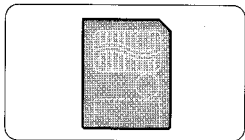
Accessories Guide

The optional accessories (sold separately) can make taking pictures with the PDR-M3 even easier. For information on how to attach and use the accessories, refer to the instructions provided with the accessory used.

SmartMedia

The 3 types of SmartMedia listed below (sold separately) can be used with this camera.

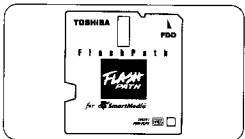
- 4MB, 3.3V
- 8MB, 3.3V
- 16MB, 3.3V



Floppy Disk Adapter PDR-FLP1 (Flash Path)

This adapter is the same size and shape as a 3.5-inch floppy disk. You can copy the images on a SmartMedia into your PC simply by loading the SmartMedia into the floppy disk adapter and then inserting the adapter into your floppy disk drive.

- Compatible operating systems for the PDR-FLP1 Floppy Disk Adapter
- Dedicated application software (supplied with the Interface set) should also be used.



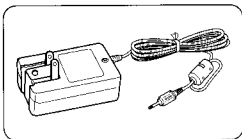
Accessories Guide

PDR-ACM1 AC Adapter

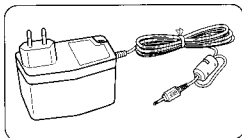
The following AC adapters are available for the PDR-M3. Please select the proper model for the country (region) where you are going to use it.



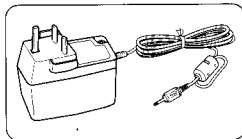
Note The AC adapters available may be limited to only one model per country.



PDR-ACM1A
U.S.A. and Canada



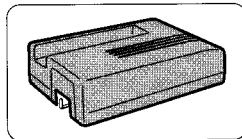
PDR-ACM1E
European Continent



PDR-ACM1U
U.K. and Hong Kong

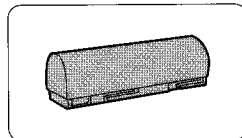
FUJIFILM BC-100 Battery Charger

Use the FUJIFILM BC-100 to quickly charge the rechargeable battery. The battery charging time using the BC-100 is Approximately 2 hours and 30 minutes.



5

FUJIFILM NP-100 Rechargeable Battery



Glossary

- AF/AE Lock:** On the PDR-M3, pressing the shutter button down half way locks the focus and exposure settings (AF and AE lock). If you want to focus on a subject that is not centered in the frame or change the picture composition after the exposure is set, you can obtain good results by changing the composition after the AF and AE settings are locked.
- ATA Card:** A PC card (type II) that conforms to the ATA PC Card Standard.
- JPEG format:** **(Joint Photographics Experts Group) format**
A file format used for compressing and saving color images. The compression ratio can be selected, but the higher the compression ratio, the poorer the quality of the expanded image.
- NTSC:** National Television System Committee, color television telecasting specifications adopted mainly in the U.S.A., Canada and Japan.
- PAL:** Phase Alternation by Line, a color television system adopted mainly by European countries and China.
- PC Card:** A generic term for cards that meet the PC Card Standard.
- PC Card Standard:** A standard for PC cards determined by the PCMCIA.
- PCMCIA:** Personal Computer Memory Card International Association (US).
- SmartMedia:** The name given to a new recording format determined by the SSFDC forum. By using the PC Card Adapter (sold separately), a SmartMedia card can be used as a PC card (Type II).
- Red-Eye Effect:** This refers to the phenomenon whereby people's eyes sometimes appear red in the picture when you use a flash to photograph them in low-light conditions. This is caused by the light of the flash reflecting off the inside of the eye. To minimize the likelihood of the red-eye effect, take the following precautions when you take the picture:
- ① Use Red-Eye Reduction mode.
 - ② Get the subjects to look at the camera.
 - ③ Get as close as possible to the subjects.

Auto Power Off Function: If the camera is not used in any way for two minutes or more, the Auto Power Off function switches the camera off. This is to prevent battery depletion and to avoid wasting power when the camera is connected to the AC adapter.

- The Auto Power Off function does not operate during automatic playback or in PC mode.
- To disable the Auto Power Off function, hold down the <MENU/EXE> button as you switch the camera on. Note also that if the camera is left unused for 2 minutes or more, the flash may not operate when a photograph is taken and you may not obtain the correct image.
- To re-enable the Auto Power Off function, switch the camera off and then on again.

White Balance: When the brightness of the light changes, the human eye adapts so that a white object still looks white. On the other hand, devices such as digital still cameras see a white subject as white by first adjusting the balance to suit the color of the ambient light around the subject. This adjustment process is referred to as matching the white balance.

Digital 2× Telephoto: This feature enlarges by 200% the central area of an image photographed using the LCD monitor, giving an apparent doubling of the focal distance (equivalent to 210mm on a 35mm camera).

If you zoom in on your subject and then hold the <▲> button down for another 2 seconds, the camera doubles the size of the central portion of your image, giving a total magnification of 600%. However, the image size remains fixed at 640 × 480 pixels, and because the central part of the image is digitally enlarged, the image quality is not as good.

Formatting (Initializing): Formatting a SmartMedia refers to the process of internally organizing the SmartMedia so that data can be recorded (written) onto it.