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DISCOVERY 1000 ZOOM

OWNER'S MANUAL
BEDIENUNGSANLEITUNG
MODE D'EMPLOI
MANUAL DE INSTRUCCIONES
使用説明書



NAMES OF PARTS

(When reading this manual, leave this page open for quick reference)

BEZEICHNUNG DER TEILE

(Wenn Sie diese Bedienungsanleitung lesen, diese Seite zwecks schneller Referenz aufgeschlagen lassen)

NOMENCLATURE

(Lors de la lecture de cette brochure, laissez cette page ouverte pour une référence rapide).

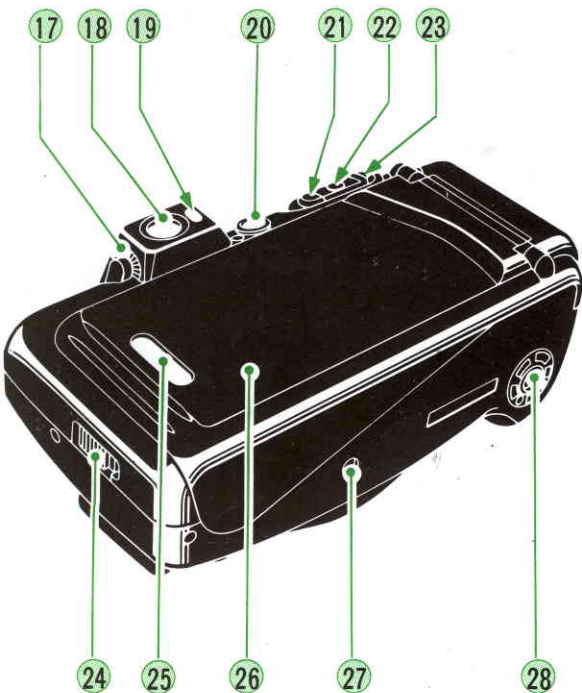
NOMENCLATURA

(Cuando lea este manual, deje esta página abierta para que pueda consultarla con rapidez.)

零件名稱

(閱讀本使用說明書時，保持本頁打開以便迅速供參考)





Liquid-crystal Display
 Flüssigkristallanzeige
 Affichage à cristaux liquides
 Visualización de cristal líquido
 液晶顯示窗

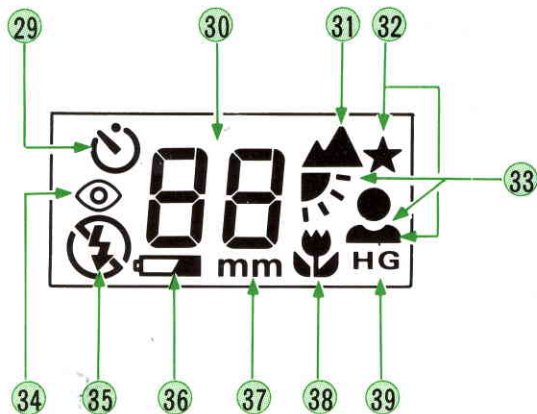


Fig. 1

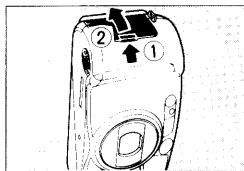


Fig. 2

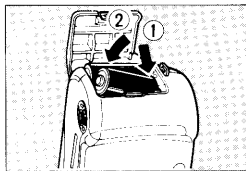


Fig. 3

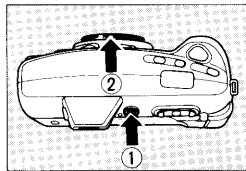


Fig. 4 Fig. 5

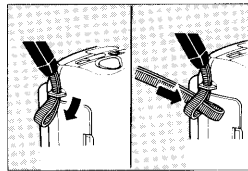


Fig. 14

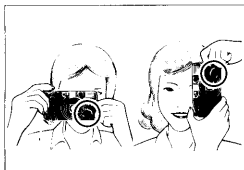


Fig. 15

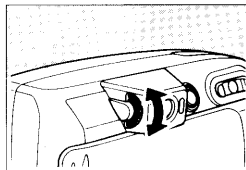


Fig. 16

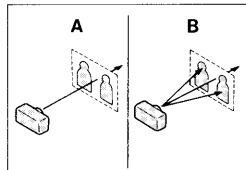


Fig. 17



Fig. 26

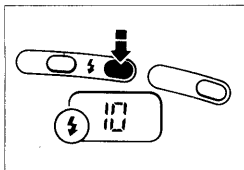


Fig. 27

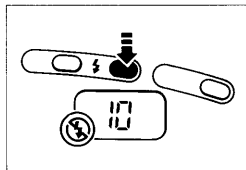


Fig. 28

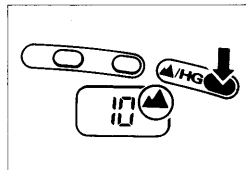


Fig. 29

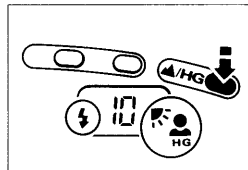


Fig. 6

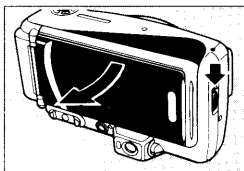


Fig. 7

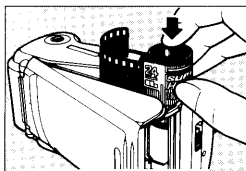


Fig. 8

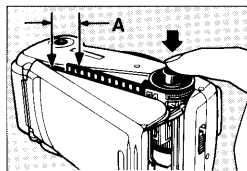


Fig. 9

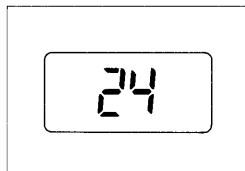


Fig. 18

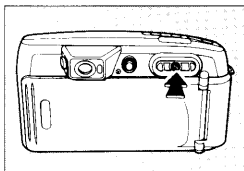


Fig. 19

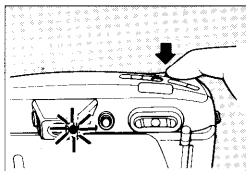


Fig. 20

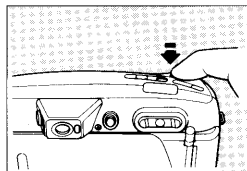


Fig. 21

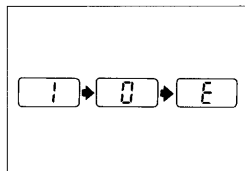


Fig. 30

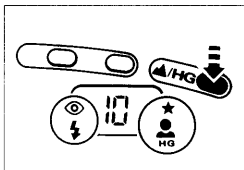


Fig. 31

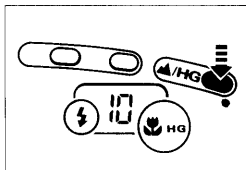


Fig. 32

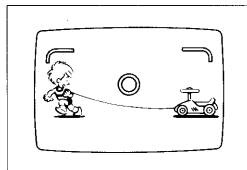


Fig. 33

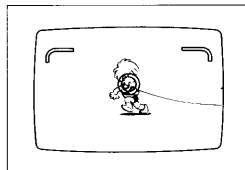


Fig. 10

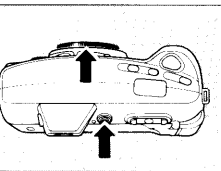


Fig. 11

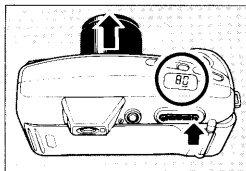


Fig. 12

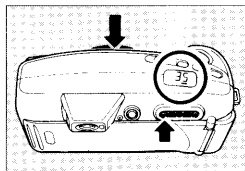


Fig. 13

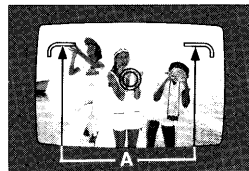


Fig. 22

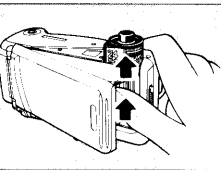


Fig. 23

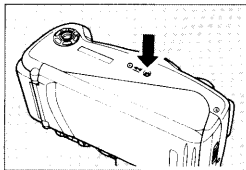


Fig. 24

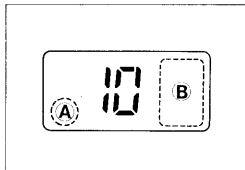


Fig. 25

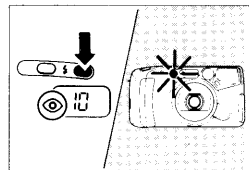


Fig. 34

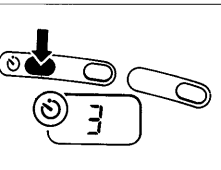
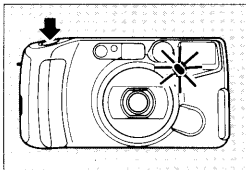


Fig. 35



Refer to PANORAMA PHOTOGRAPHY MANUAL regarding the finder's picture area frame on the model with panorama adapter.

Einzelheiten bezüglich des Sucher-Bildausschnitts beim Modell mit Panorama-Adapter siehe ANLEITUNG FÜR PANORAMA-AUFNAHMEN.

Reportez-vous au MODE D'EMPLOI POUR PHOTOGRAPHIES PANORAMA concernant le champ de l'image du viseur dans le modèle muni d'un Adaptateur Panorama.

Vea el MANUAL DE FOTOGRAFÍA PANORÁMICA con respecto al marco de imagen del visor en el modelo que viene con adaptador panorámico.

關於附帶全景模式附加器機種的取景窗視野顯示，請見全景尺寸畫面拍攝說明。

ENGLISH (Pages 7 ~ 21)

- See illustrations while you read this manual.

DEUTSCH (Seite 22 ~ 37)

- Orientieren Sie sich beim Durchlesen dieser Anleitung bitte an den abbildungen.

FRANÇAIS (Pages 38 ~ 52)

- Se reporter aux illustrations en lisant le mode d'emploi.

ESPAÑOL (Página 53 ~ 68)

- Consulte las ilustraciones mientras lee este manual.

中國語 (第69 ~ 82頁)

- 請在閱讀本說明書的同時確認各插圖。

This manual will show you how to use your camera correctly. Please follow the instructions carefully.

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SPECIAL FEATURES● **Fully automatic zoom 35 mm compact camera**

1. Power zoom (35 ~ 80 mm).
2. Multi-beam and single-beam autofocus.
3. Close-up capability (65 cm throughout the zoom range).
4. Landscape mode exposure.
5. Four flash and three HG (high grade) exposure modes.
6. Drop-in film loading, film rewinding system.
7. Automatic film speed setting (ISO 50 ~ 1600).
8. LCD shows exposure counter, zoom focal lengths, and various exposure mode settings.
9. Built-in self-timer with rapid-sequence exposure capability.
10. Powered by two lithium batteries.

NAMES OF PARTS

- ① Strap Lug
- ② Landscape/HG Mode Button
- ③ LCD
- ④ Flash Mode Button
- ⑤ Self-timer Button
- ⑥ Finder Window
- ⑦ AF Window (Infrared Beam Projector)
- ⑧ Self-timer Lamp
- ⑨ Flash Lampface
- ⑩ Battery Compartment Cover

- ⑪ Battery Compartment Cover Lock
- ⑫ Shutter Release
- ⑬ Red Eye Reduction Lamp
- ⑭ AE Light Sensor
- ⑮ Lens
- ⑯ AF Window (Infrared Beam Sensor)
- ⑰ Diopter Adjusting Wheel
- ⑱ Finder Eyepiece
- ⑲ AF Lamp
- ⑳ Power Switch/Lens Cover Button
- ㉑ Left Side Zoom Button (wideangle side)
- ㉒ Single-beam AF Button
- ㉓ Right Side Zoom Button (telephoto side)
- ㉔ Camera Back Lock
- ㉕ Film Confirmation Window
- ㉖ Camera Back
- ㉗ Mid-roll Rewind Button
- ㉘ Tripod Socket

LCD (Liquid Crystal Display)

- ㉙ Self-timer Mode Sign
- ㉚ Exposure Counter/Lens Focal Length Indicator/
Self-timer Rapid-sequence Shot Counter
- ㉛ Landscape (Nightscape) Mode Sign
- ㉜ Night Portrait (HG) Mode Sign
- ㉝ Backlight Portrait (HG) Mode Sign
- ㉞ Red-eye Reduction Mode Sign
- ㉟ Flash Mode Sign (Battery charging, fill-in flash,

- and flash off sign)
- ③⑥ Batteries Low Sign
- ③⑦ Lens Focal Length Indicator (mm)
- ③⑧ Close-up (HG) Mode Sign
- ③⑨ HG Mode Sign

The Exposure Counter in the LCD will turn off automatically five minutes after the Power Switch is turned off. If the Power Switch is on but the camera is left idle, the power will automatically turn off in five minutes and the Exposure Counter will also turn off.

I. BASIC STEPS

LOADING THE BATTERIES

- Use a pair of the following batteries:
Panasonic CR123A 3V
- If half of your pictures are taken with flash, a new set of batteries will provide about 1,000 shots if the flash shots are taken in the auto-flash mode and about 850 shots if taken in the red-eye reduction mode (as tested according to Fuji's battery testing procedure).

1. Open the battery compartment cover (Fig. 1)

To open, push the Battery Compartment Cover Lock toward the camera back, then pull up the Battery Compartment Cover.


- Always load the batteries before loading the film.
- Be sure to use two new batteries of the same type and brand each time you change them.
- Once you load the batteries, do not unload them unless you are changing batteries. Also, be sure to change the batteries quickly (insert the new batteries within two minutes after unloading the used set).

2. Load the batteries (Fig. 2)

First, insert the minus (–) end of one of the batteries into the Battery Compartment as illustrated in the Battery Compartment ①, then push in the plus (+) end toward the arrow ②. Do the same with the other battery, make sure the two are facing the same direction, then close the Battery Compartment Cover.

3. Check the batteries (Fig. 3)

To check, press in the Power Switch. If the Lens moves slightly forward and the Lens Cover opens, the batteries are loaded correctly.

- If the battery power is low, the Battery Low Sign () in the LCD will blink and the shutter won't trip. It means you'll have to change the batteries with a new set.
- If you are not taking pictures for a while, turn off the power by pressing in the Power Switch.

ATTACHING THE STRAP (Fig. 4, 5)

Pass the looped end of the Strap through the camera's Strap Lug then pass the other end of the Strap through the loop and pull it strongly.

LOADING THE FILM

1. Open the camera back (Fig. 6)

To open, push the Camera Back Lock up toward the camera top.

2. Load the film (Fig. 7)

Drop the film gently into the Film Chamber. Even if the film is curled, it will smoothly get into the camera.

- Be sure to use 35mm roll film marked DX on the film box and cartridge.

3. Press the film gently down (Fig. 8)

With your fingertip, press the film gently down into the Film Chamber.

4. Close the camera back (Fig. 9)

As soon as the Camera Back is closed, the Exposure Counter (in the LCD) will count the film frames in a rush then come to a halt in about 17 seconds (if you are using a 24-exposure roll) and show you the number of exposures your film

contains.

- If the length of film protruding from the cartridge is too long or too short, adjust it (by pulling the film out or winding it in) so that the film tip lines up with the Film Tip Mark, then drop the cartridge in the film chamber.
- The Film Confirmation Window will show the type and speed of the loaded film and the number of exposures it contains.

TAKING PICTURES

1. Turn on the power switch (Fig. 10)

To turn it on, just press it in. The Lens will now move out slightly and the Lens Cover will open to let you take pictures.


- If you turn on the Power Switch then leave the camera idle for five minutes, the Lens will move back, the Lens Cover will close, and the Power Switch will turn off automatically.

2. Zoom to telephoto (Fig. 11)

To zoom to telephoto, press in the Right Side Zoom Button ([Z]). As the Lens zooms, the LCD will show the lens focal lengths in 5mm increments and the size of the image in the Finder will also change.

- Do not block the Lens front or obstruct the lens barrel while it is zooming in or out.

3. Zoom back to normal angle (Fig. 12)

To zoom back to normal angle, press in the Left Side Zoon Button ().

4. Compose your picture (Regular 35mm-format frame) (Fig. 13)

Parallax Correction Marks (Fig. 13-A)

You'll get in your picture everything you see through the Finder. But if you are taking your subject at close range (0.65m), you'll get in your picture only the area seen within the Parallax Correction Marks.

5. Hold the camera still (Fig. 14)

To prevent camera shake, hold it with both hands. Keep your fingers off the AF Windows (the two windows enclosed with circles in the illustration).

If you are shooting with the camera held vertically, position the Flash side up.

- Camera shake can easily occur when taking telephoto shots. To avoid it, spread your legs slightly, relax your body and arms, then take your picture by "squeezing" the Shutter Release gently and slowly down.
- Keep your fingers, hair, and camera strap away from the Lens, AF Windows, and Flash Lamphace.

6. Adjust the finder to your vision (Fig. 15)

To adjust it, look through the Finder and turn the Diopter Adjusting Wheel until you can see your subject clearly.

■ Multi-beam autofocus system (Fig. 16)


The camera projects three separate beams of infrared rays to measure the distance of your subject. This system covers a wider area and is more accurate than the conventional single-beam system. But if you want to switch to single-beam autofocus-ing, just press in the Single-beam AF Button.

7. Multi-beam autofocus (Fig. 17)

Autofocus Spot (Fig. 17-A)

Infrared beams are also projected to the left and right of the Auto-focus Spot to extend the focusing area so that the lens focuses itself also on the subject you composed as shown in the illustration.

8. Single-beam autofocus (Fig. 18)

To focus the Lens on the center of your subject, aim the Auto-focus Spot at an object located in its center then press in the Single-beam AF Button  and, while holding it there, press the Shutter Release all the way down. The Lens will focus on the objects surrounding the point on which the Autofocus Spot is aimed.

9. Check the autofocus lamp (Fig. 19)

If the AF Lamp (green lamp next to the Finder Eyepiece) turns on when the Shutter Release is pressed halfway down, the lens has completed its focusing operation in the multi-beam or the single-beam mode.

- If the AF Lamp blinks quickly, your subject is too close to the camera, or too far from it when you take flash pictures. Check the shooting distance again. If it blinks slowly, it means the shutter speed will be slow. It is recommended to use a tripod to prevent camera shake. If you move closer than 30cm to your subject, the AF Lamp will stop blinking but the Lens will not be able to focus itself on your subject.

10. Take your picture (Fig. 20)

To take your picture, just press the Shutter Release all the way down. As soon as the shutter trips, the film will automatically advance into position for the next shot.

Notice

- Though rarely, the Lens may not be able to focus itself properly in the following situations.
- ① If there is a strong light source, such as strong sunlight, near your subject, as well as light reflected from these sources by the windshield of a car, etc.

- ② If the subject is a black object, such as black hair, which cannot reflect enough light.
- ③ If you are taking pictures through a window pane.
- ④ If there is a strongly light-reflecting object, such as a mirror or a shiny piece of metal, near the center of your subject.

END OF FILM

- Your camera will expose the film frames in descending order, starting from the highest numbered frame, and wind each frame into the cartridge as soon as it is exposed.
- You can unload the film as soon as the last frame (frame No. 1) is exposed and the camera motor stops because there is no need to rewind it.
- If the Camera Back is accidentally opened in mid-roll, all of the exposed frames, except the last, will be safe from light.

1. After exposing the last frame (Fig. 21)

As soon as the last frame (frame No. 1) is exposed, the Exposure Counter will switch to "0" and then to "E" and come to a halt.

- Take the exposed film to your photofinisher for processing and printing as soon as possible.
- Be sure to use your film before the expiration

date printed on the film box.

2. Unload the exposed film (Fig. 22)

Make sure the Exposure Counter is showing the "E" sign then open the Camera Back, push the film cartridge up with your finger, and take it out.

3. Unloading the film in mid-roll (Fig. 23)

To unload the film in mid-roll, press in the Mid-roll Rewind Button, wait until the Exposure Counter shows the "E" sign and the camera motor comes to a halt, then take the film out.


- If the Camera Back is accidentally opened in mid-roll, close it quickly. The film will automatically wind back into its cartridge as soon as it is closed.
- If the film is unloaded before the "E" sign appears in the LCD, the number in the Exposure Counter will blink and the camera will stop functioning. (To correct this condition, see page 17).
- To press in the Mid-roll Rewind Button, use the tip of the projection provided on the camera Strap's sliding hoop.

II. ADVANCED TECHNIQUES

SELECTING THE EXPOSURE MODE

Turn on the power switch before setting the exposure mode.

1. Automatic flash mode (for taking ordinary flash pictures) (Fig. 24)


If the areas marked A and B in the LCD (see illustration) do not show any sign or mark and the ambient light is low, the Flash will automatically fire when you press down the Shutter Release to take your picture. You can take your next auto-flash picture as soon as the Flash Mode Sign () in the LCD stops blinking.

2. Red-eye reduction mode (Fig. 25)

A word on red-eye effects


- When a person is photographed with flash in dim light, the eyes will sometimes turn out red. This is because the light from the flash is reflected back into the Lens from the back (retina) of the person's eyes. The Red-eye Reduction Lamp will contract your subject's pupils to reduce this red-eye effect.

If you want your subject's eyes to look beautiful and natural in flash pictures, press in the Flash Mode Button once so that the Red-eye Reduction Mode

Sign () appears in the LCD. The Red-eye Reduction Lamp will now turn on automatically to close down your subject's pupils before the Flash fires to take your picture.


- The Flash Mode settings will remain on after you take your pictures. Only the Red-eye Reduction Mode will remain on even after the Power Switch has been turned off temporarily.
- You can reduce red-eye more effectively by making your subject stare at the Red-eye Reduction Lamp.
- The AF Lamp (green lamp next to the Finder Eyepiece) will turn on when the Red-eye Reduction Lamp turns on and turn off as soon as the Flash fires. Be sure to hold the camera still while the AF Lamp is on.

3. Fill-in flash mode (for taking backlit pictures) (Fig. 26)

To make the face of your backlit subject turn out bright and clear, press in the Flash Mode Button twice so that the Flash Mode Sign () appears in the LCD, then take your picture. The Flash will now fire even in bright daylight.

4. Flash off mode (for taking non-flash pictures) (Fig. 27)

If you want to take existing-light pictures and don't want to use flash, press in the Flash Mode Button

three times so that the Flash Off Mode Sign () appears in the LCD, then take your picture.


- The flash shooting range will differ with the film speed and lens focal length as shown below.

Film: color negative, distance: meters

| Film Speed | ISO 100 | ISO 200 | ISO 400 | ISO 1600 |
|-----------------|--------------|--------------|--------------|-------------|
| 35 mm Normal | 0.65 ~5.5 | 0.65 ~7.6 | 0.65 ~11 | 0.65 ~20 |
| 80 mm Telephoto | 0.65 ~3.0 | 0.65 ~4.0 | 0.65 ~5.8 | 0.65 ~12 |

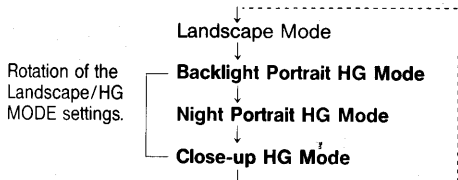
- To take stage scenes and indoor sports events that are beyond reach of the camera's flash, use a high-speed film and shoot with the camera set to the Flash Off Mode. For best results, shoot with the camera mounted on a tripod.

TAKING LANDSCAPE MODE PICTURES (Fig. 28)

To take landscapes or outdoor scenes through a window pane, press in the Landscape/HG Mode Button once, check to make sure the Landscape (Nightscape) Mode Sign () is showing in the LCD, then press down the Shutter Release. For best results, use a tripod when taking night scenes.

- If the camera is set to the Landscape Mode, the Flash won't fire.
- You'll have to reset the camera each time you take a Landscape Mode picture.

TAKING HG-MODE PICTURES



- You can take beautiful HG (high grade) pictures distinguished by well balanced ambient and flash lights by pressing in the Landscape/HG Mode Button 2, 3, or 4 times before pressing down the Shutter Release.

1. Backlight portrait HG mode (Fig. 29)

Press in the Landscape/HG Mode Button two times so that the Backlight Portrait HG Mode Sign appears in the LCD as shown, then take your picture. The Flash will automatically adjust its light to deliver beautiful, natural-looking backlit

portraits.

2. Night portrait HG mode (Fig. 30)

Press in the Landscape/HG Mode Button three times so that the Night Portrait HG Mode Sign appears in the LCD as shown, then take your picture. The Red-eye Reduction Lamp will turn on and the light from the flash will harmonize with the background to deliver beautiful, natural-looking twilight or night portrait.

- If the AF Lamp blinks slowly in the night portrait HG mode, it is recommended to use a tripod.
- If the camera is set to the HG Mode, you cannot switch it to any flash mode unless you switch off the power and turn it on again.
- Once the camera is set to the HG Mode, it will remain locked in that mode until the Power Switch is turned off.
- The HG Mode setting will override any previous flash settings.

3. Close-up HG mode (Fig. 31)

Press in the Landscape/HG Mode Button four times so that the Close-up HG Mode Sign appears in the LCD as shown, then take your picture. The Flash will automatically adjust its light to deliver close-ups of flowers or other small objects having beautiful, natural-looking colors.

USING THE AF LOCK

1. If the picture you composed is out of focus... (Fig. 32)

If the three autofocus infrared beams are off your subject, you won't get a sharply focused picture.

2. Aim the autofocus spot at something in it then... (Fig. 33)

Move the camera slightly, aim the Finder's Autofocus Spot at something near the center of your subject and press in the Single-beam AF Button (see page 11). While holding it in depressed position, press the Shutter Release about halfway down and hold it there to lock the focus, then check to make sure the AF Lamp has turned on.

3. Recompose your picture and take it (Fig. 32)

While pressing the Shutter Release about halfway down and making sure the AF Lamp is on, move the camera back to recompose your picture and take it by pressing the Shutter Release all the way down.

- As long as you don't trip the shutter, you can use the AF Lock (lock the focus) as many times as you need.

TAKING SELF-TIMER PICTURES

1. Set the self-timer (Fig. 34)

With a single press of the Shutter Release, you can take up to three self-timer pictures in succession. To take three pictures one after another, press in the Self-timer Button three times so that the Self-timer Mode Sign (☺) and the number "3" appears in the LCD.

2. Press down the shutter release (Fig. 35)

As soon as you press down the Shutter Release, the Self-timer Lamp (red lamp) will turn on and the Self-timer will start running.


- Do not stand in front of the camera when you press down the Shutter Release. If you do, the Lens will not be able to focus itself properly.
- To turn off the self-timer after it has been set, turn off the Power Switch by pressing it in.

3. The shutter will trip in 10 seconds

The Self-timer Lamp (red lamp) will turn on for seven seconds then blink for three seconds after which the shutter will trip to take your picture. The shutter will trip two times more at 3 to 6 seconds intervals to take the three pictures you ordered.

- The camera will automatically switch itself off the Self-timer Mode as soon as it finishes taking the number of pictures you ordered.

CAMERA FAULTS, POSSIBLE CAUSES, AND REMEDIES

| Faults | Possible Causes | Remedies | Page |
|---|---|--|------|
| 1. The shutter won't trip. | ① The batteries are nearly spent and the Batteries Low Sign () in the LCD is blinking. | ① Change the batteries with a new set. | 9 |
| | ② You didn't turn on the Power Switch. | ② Turn on the Power Switch by pushing it in. | 9 |
| 2. The Exposure Counter blinks and the camera does not operate. | ● You unloaded your film without winding it back into its cartridge or unloaded it before rewinding is completed. | ● Unload the batteries and wait about 15 minutes. If the LCD no longer shows any signs or marks when the Shutter Release is pressed down, reload the batteries. This should correct the fault. | 13 |
| 3. As soon as the film is loaded, it winds back into its cartridge. | ● You loaded the film first then loaded the batteries afterwards. | ● Always load the batteries before loading the film. | 9 |

| Faults | Possible Causes | Remedies | Page |
|--|--|---|------|
| 4. The film wound back into its cartridge in the middle of the roll. | ① While taking pictures or while the film was rewinding, you either opened and closed the Camera Back or moved the Camera Back Lock. | ① If there is film in the camera, never open the Camera Back or move the Camera Back Lock. | 13 |
| | ② Although the camera was loaded with film, you unloaded and reloaded the batteries. | ② If there is film in the camera, do not take the batteries out for more than two minutes. And always change the batteries as quickly as you can. | 9 |
| 5. The camera is loaded with film and the Camera Back has been closed but the Exposure Counter does not show any number. | ● You did not load the film correctly. | ● Reload the film correctly. | 10 |

PRINT FAULTS, POSSIBLE CAUSES, AND REMEDIES

| Faults | Possible Causes | Remedies | Page |
|-----------------------------|---|---|-------------|
| 1. The picture looks fuzzy. | ① You didn't aim the camera correctly. | ① Aim the Finder's Auto-focus Spot at your subject or use the AF Lock. | 11,12,16 |
| | ② The Lens is soiled. | ② Keep the Lens clean at all times. | 19 |
| | ③ You shook the camera when you pressed down the Shutter Release. | ③ Hold the camera still when you take your picture and press the Shutter Release gently down. | 11 |
| 2. The picture looks dark. | ① You took your picture against the light. | ① Use the backlight portrait HG mode or fill-in flash mode to take your picture. | 14, 15 |
| | ② Your subject was beyond reach of the camera's built-in flash. | ② Take your pictures within the range of your camera's built-in flash. | 14 |

CAMERA CARE, ETC.

1. Your camera is a precision instrument which requires careful handling. Do not expose it to shock, wet it, or drop it on the floor.
2. If you are not using your camera for a long interval, keep it where it will be safe from heat, dust, and moisture.

3. Remove, soil and dust from the lens glass, AF windows, and finder with an air blower and by wiping lightly with a piece of soft, lint-free cloth. If that is not enough, wipe off gently with Fuji Lens Cleaning Paper moistened slightly with Fuji Lens Cleaning Liquid.
4. In hot weather, do not leave your camera in a closed car, on an ocean beach, or in moist

places.

5. In case of malfunction, **never** try to repair the camera yourself because it is equipped with high-tension circuits.
6. Do not dismantle the lithium batteries, heat them, throw them into a fire, charge them, or cause them to short circuit.

SPECIFICATIONS

- **Film**
135 (35 mm) DX roll film.
- **Picture Size**
24 × 36 mm.
- **Lens**
Fujinon Zoom Lens, power zoom, $f = 35 \sim 80$ mm, 1:3.8 ~ 8.2, 8 components, 8 elements.
- **Finder**
Real image zoom finder, 0.35 ~ 0.72X magnification, 80% field of view (3m), parallax correction marks, AF spot, AF lamp (green lamp next to finder eyepiece), provision for adjusting the finder to the user's vision.
- **Focusing**
Multi-beam autofocus from 0.65 m ~ ∞ , provision for single-beam autofocus, AF lock, landscape (nightscene) mode setting (it sets the lens for long distance shooting, turns off the flash, and slows down the shutter for taking

nightscapes), AF lamp (it turns on when the lens has completed its focusing operation; blinks quickly when the subject is too close to, or too far from, the camera, and blinks slowly when the shutter will slow down).

- **Shutter**
Programmed electronic shutter, 1/9 ~ 1/350 sec. shutter speed.
- **Exposure Control**
Automatic, EV 9.8 (7*) ~ 17 (normal) and EV 12.6 (9.3*) ~ 19.3 (telephoto) coupling ranges with ISO 100 film (* = values for the flash off mode).
- **Film Speed Setting**
Automatic with ISO 50, 100, 200, 400, 800, and 1600 DX films.
- **Film Loading**
Drop-in system, automatic threading.
- **Film Advance**
Automatic (motorized), film prewind system, rewinding unnecessary, provision for mid-roll rewinding.
- **Liquid Crystal Display**
Exposure counter (shows exposures remaining), lens focal length, self-timer mode sign/shot-number counter, flash charging sign, red-eye reduction mode sign, fill-in flash mode sign, flash off mode sign, landscape mode sign, HG (high grade) mode sign (backlight portrait, night portrait, and close-up HG mode signs), battery

low sign.

- **Built-in Flash**

Automatic light-distribution control accommodates all zoom focal lengths, automatic flash firing mode, red-eye reduction mode, fill-in flash mode, flash off mode, HG exposure modes (backlight portrait, night portrait, and close-up modes), electronically controlled flashmatic exposure, distance-too-far warning (AF lamp blinks when shutter release is pressed halfway down), about 3 sec. flash interval.

- **Flash Exposure Range**

(Film; color negative, distance; meters)

| Film Speed | ISO 100 | ISO 200 | ISO 400 | ISO 1600 |
|-----------------|--------------|--------------|--------------|-------------|
| 35 mm Normal | 0.65 ~5.5 | 0.65 ~7.6 | 0.65 ~11 | 0.65 ~20 |
| 80 mm Telephoto | 0.65 ~3.0 | 0.65 ~4.0 | 0.65 ~5.8 | 0.65 ~12 |

- **Self-timer**

Electronically controlled, provision for taking up to 3 pictures in succession, about 10 sec. delay, can be stopped in mid-run, self-timer "ON" lamp.

- **Power Source**

Two 3V Panasonic CR123A lithium batteries.

- **Others**

Built-in lens cover/shutter safety lock, tripod socket.

- **Dimensions & Weight**

135 mm W × 71.3 mm D × 56.5 mm H, 331 g. (without batteries).

Notice: Specifications are subject to change without notice.