

Vivitar



B3118
Date Back

OWNER'S MANUAL

Fig.1

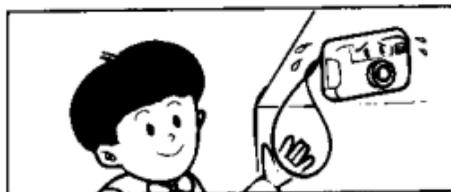


Fig.2

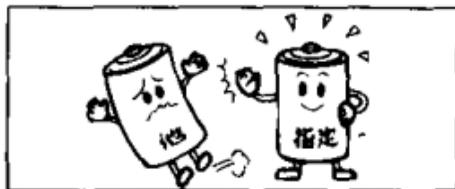


Fig.3

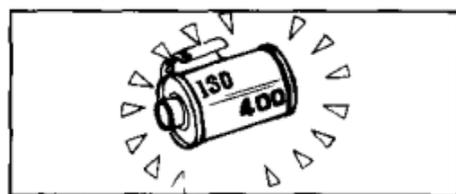
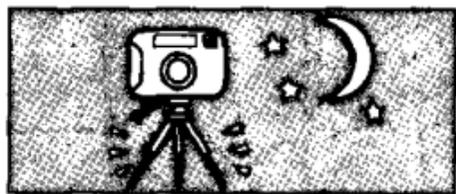
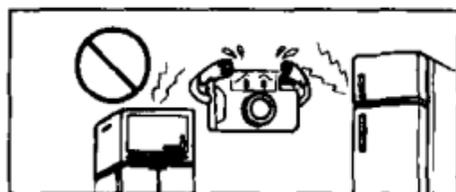
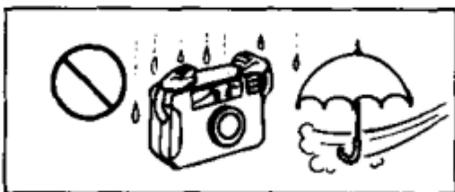
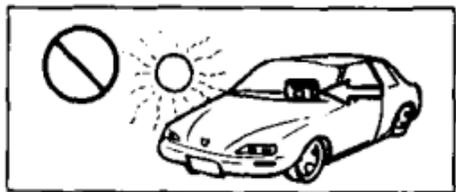


Fig.4



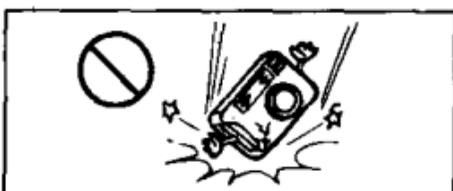
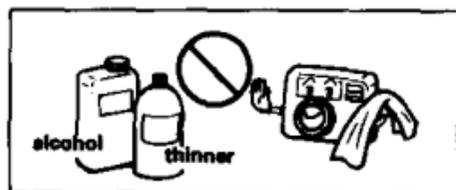
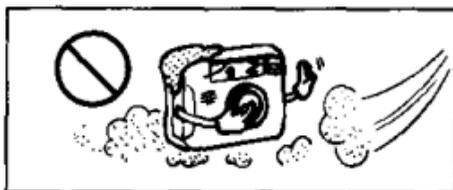


Fig.5



Fig.6

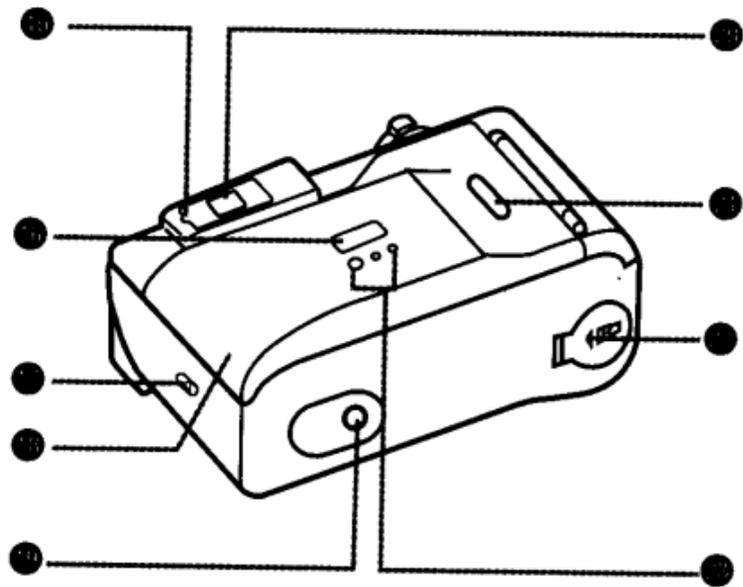
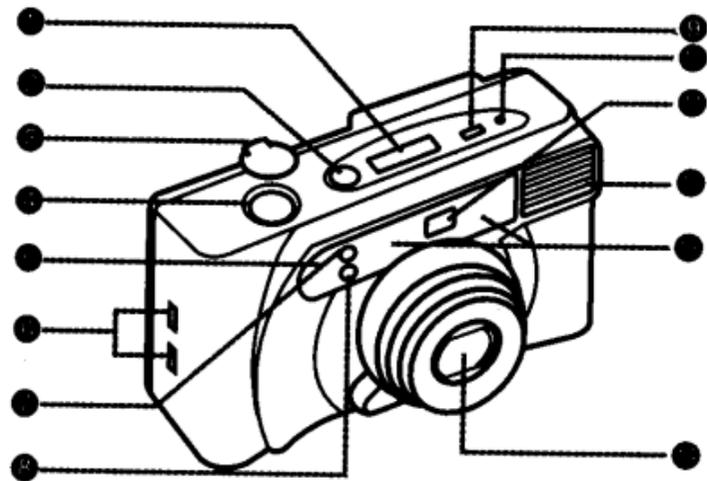
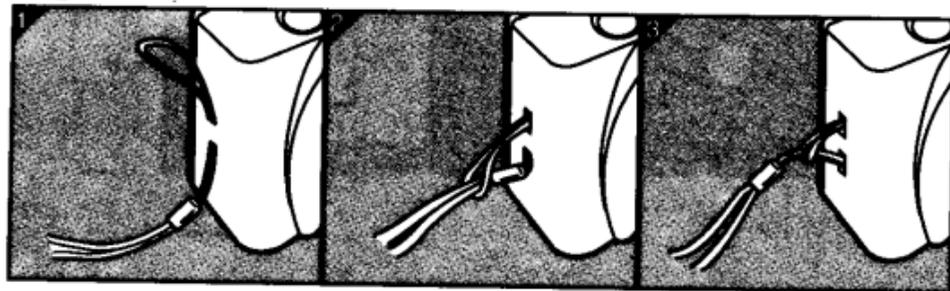


Fig.7



This was printed in B&W

Fig.8

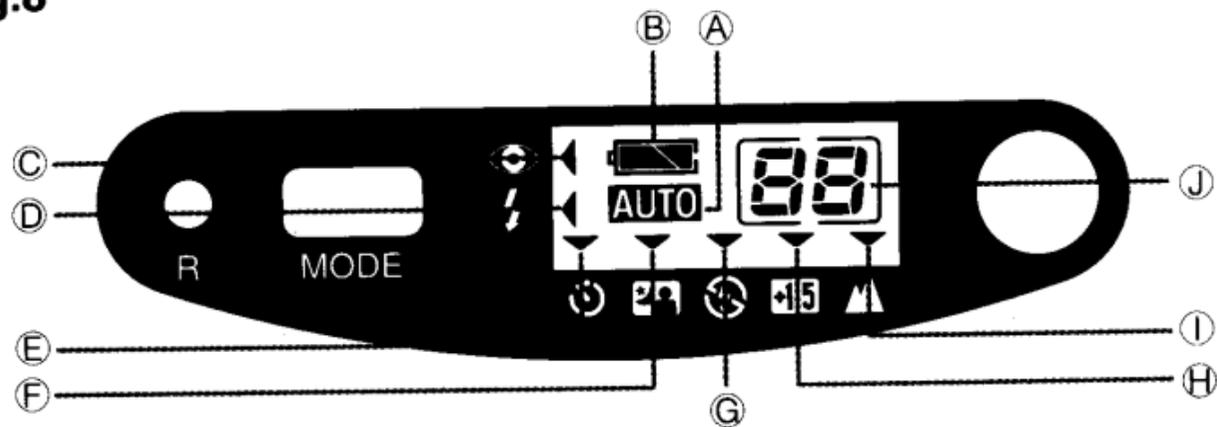


Fig.9



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Fig.10

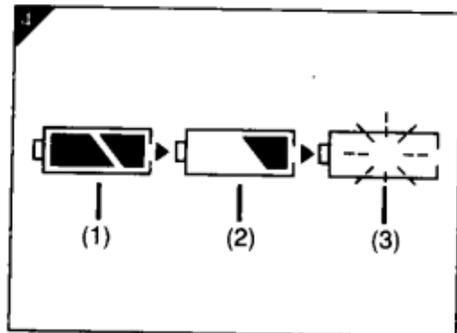
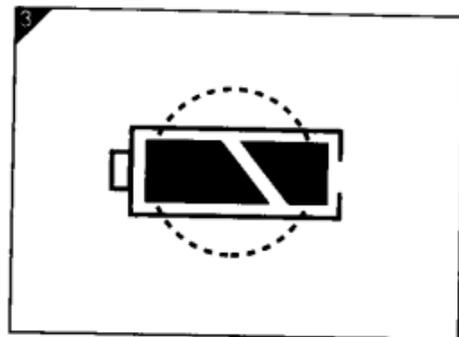
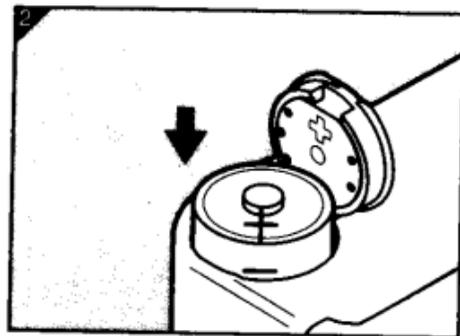
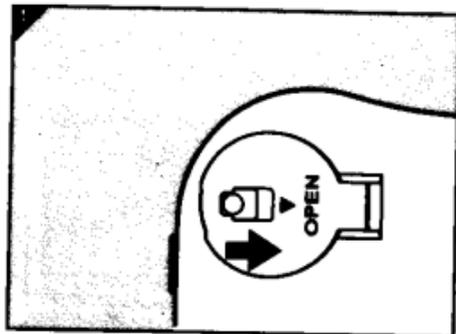


Fig.11

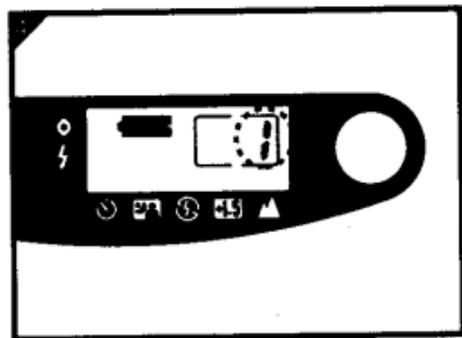
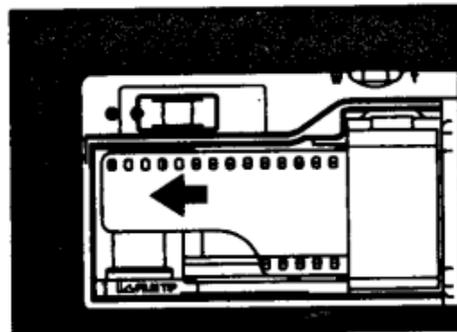
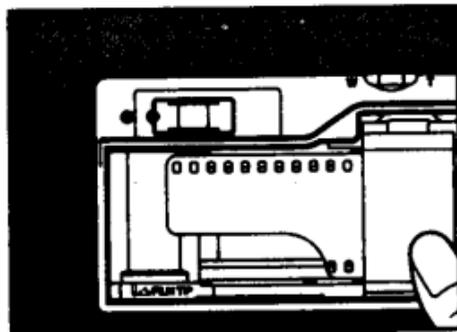
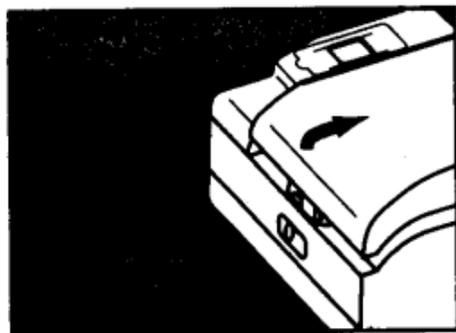


Fig.12

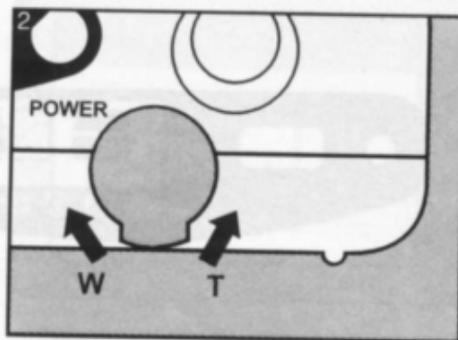
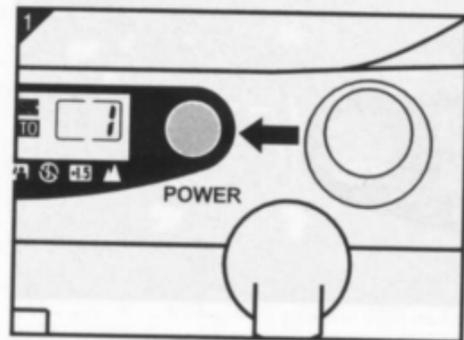


Fig.16

Fig.17

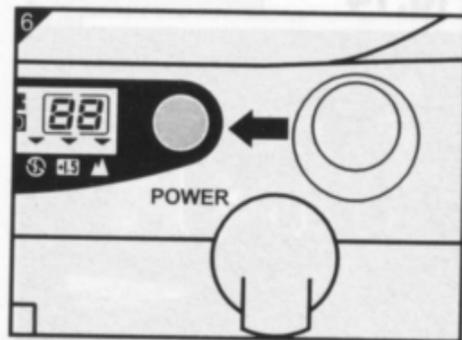
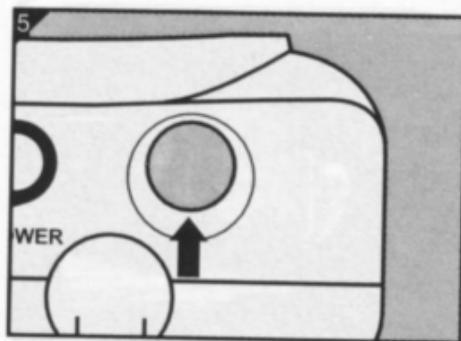
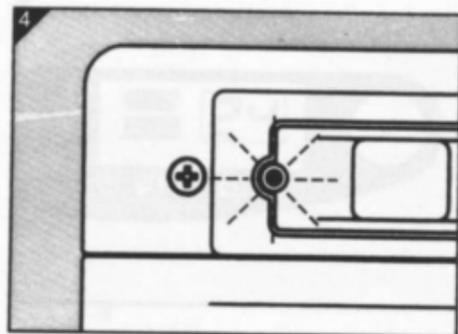


Fig.13

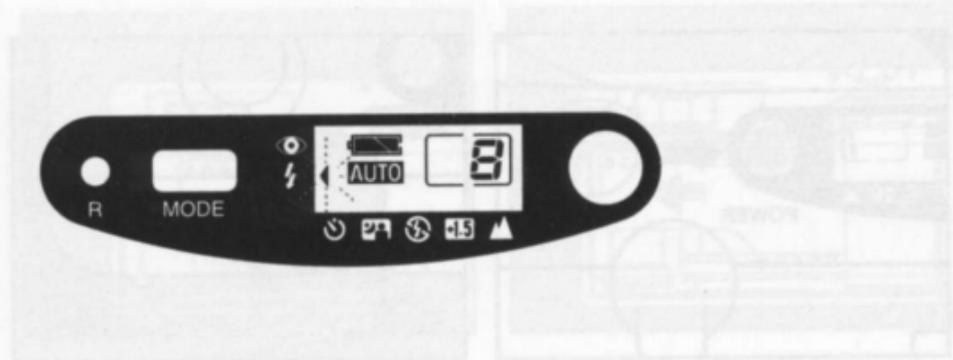
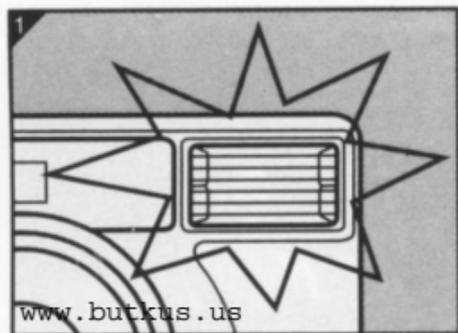


Fig.14



Fig. 15

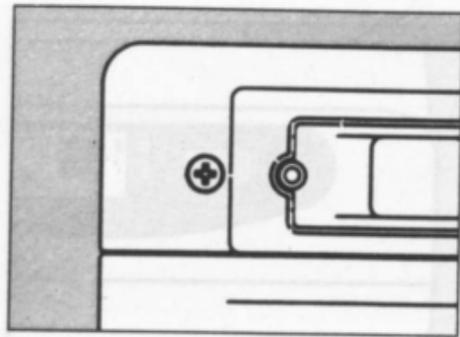
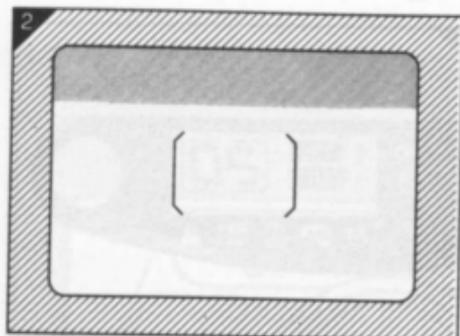
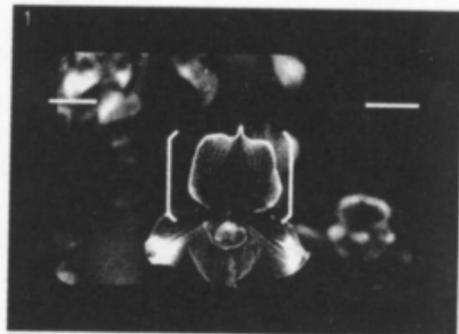


Fig. 16

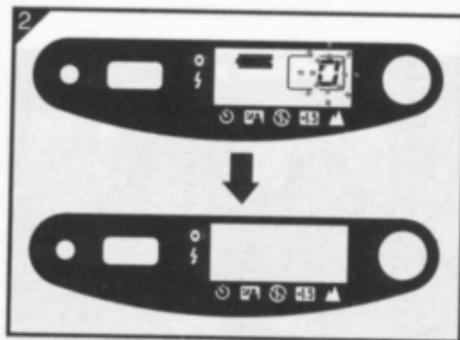
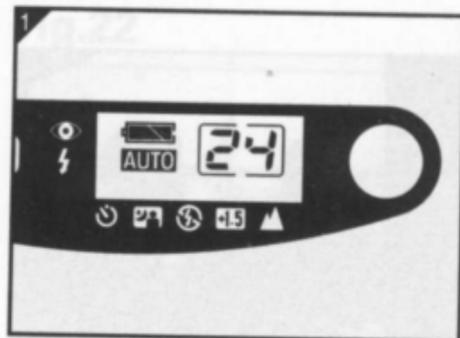


Fig. 17

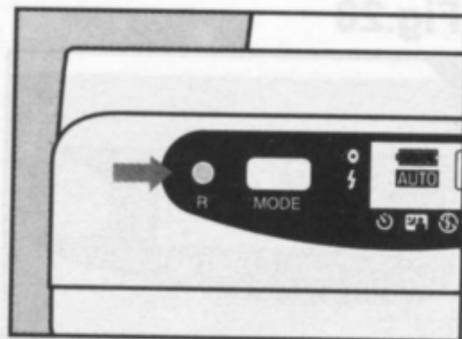


Fig.18

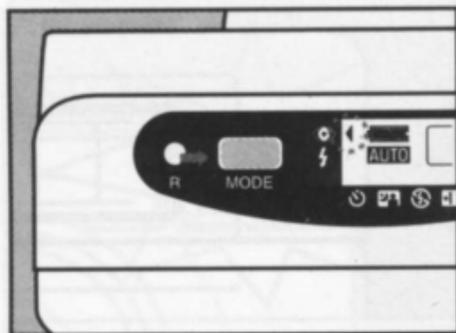


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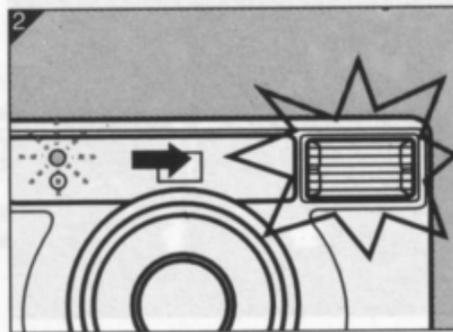
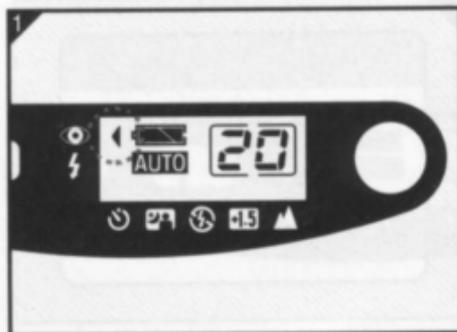
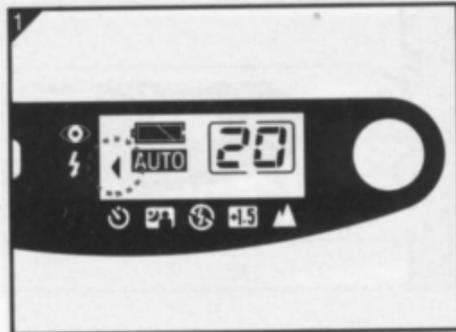


Fig.20



With Flash



Without Flash

Fig.21

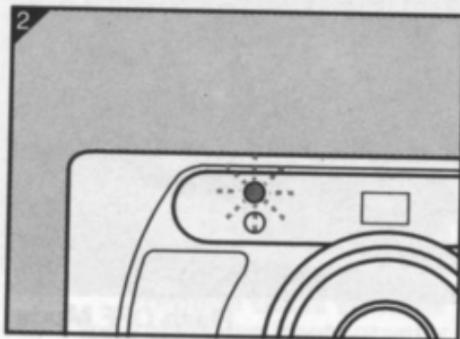
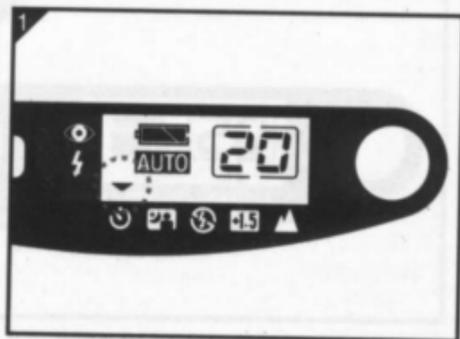
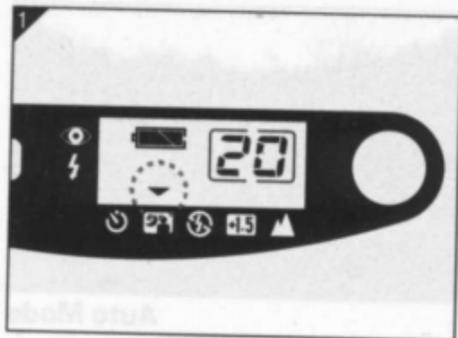


Fig.22



Night View Portrait



Flash Auto

Fig.23

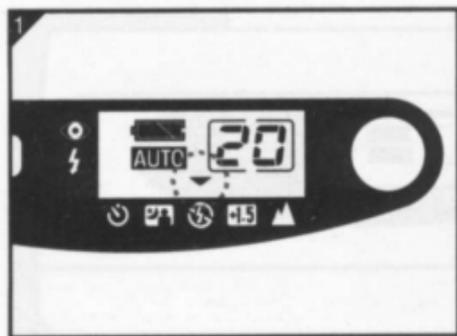


Fig.18



Flash OFF Mode

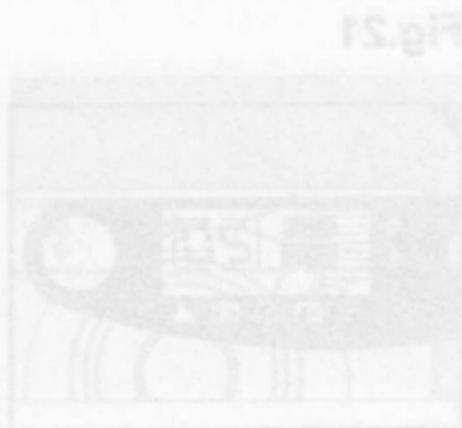
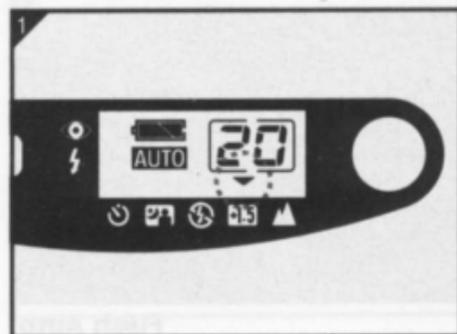


Fig.24

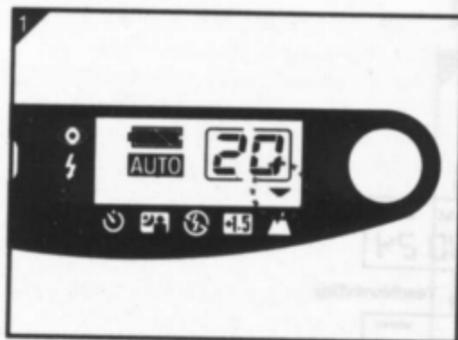


+1.5 Exposure Compensation Mode



Auto Mode

Fig.25



**Through Glass Window
long distance Photography**



Auto Mode

(Auto-date model only.)

Fig.26

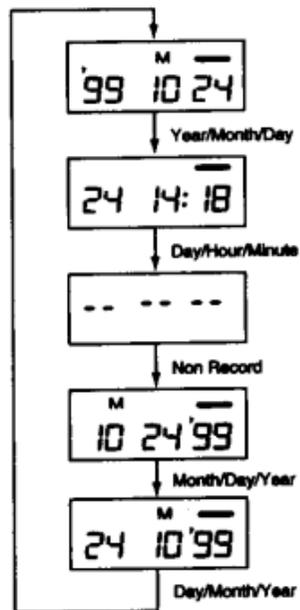
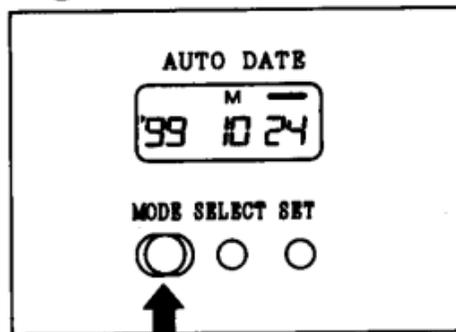
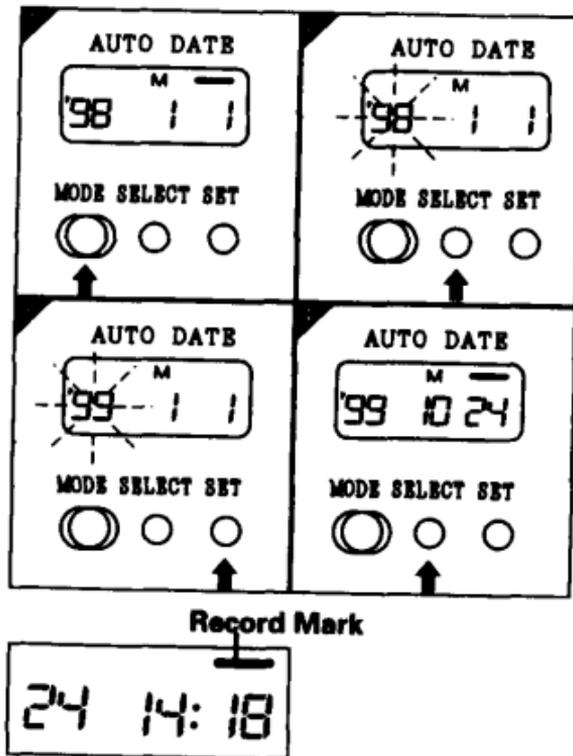


Fig.27



English

SAFETY GUIDE

This product is intended for photography. Please do not use it for any other purposes other than photography. Every precaution has been taken to insure the safety of this product, please use this product correctly after reading the information below. The following indication mark is a warning/caution label to show how to use this product so that damage or injury does not result.

WARNING

This mark is a warning mark that states that if the product is not used correctly, death or serious injury of the user or others may result.

CAUTION

This mark is a caution mark that states that if the product is not used correctly, death, serious injury or disability may result. It also warns of the possible danger of damage to property.

-  This mark indicates items that are prohibited when using this product.

1. WARNING (Fig. 1)

-  Never disassemble this camera. There are high voltage wires inside the camera so there is a danger of electric shock.
-  Do not expose the battery to heat or flame. Do not attempt to short, disassemble or charge the battery. There is a danger of explosion and severe injury.
-  Put the battery in a place where young children cannot reach it. There is a danger of death by accidentally swallowing the battery.
-  Please do not use the camera to look directly at the sun. There is a danger of injury to the eye.
-  Put the camera strap in a place where young children cannot reach it. There is a danger of accidental suffocation if the strap is wrapped around the neck.
-  When the camera is left at low or high temperatures do not touch it with your bare hands. It is possible that you may sustain an injury due to burning.
-  If you become aware of something abnormal with the camera (for example it generates abnormal sound or heat, smokes, smells of burning, etc.) during operation, immediately remove the battery out of the camera taking care not to burn your hands and ask the store that you got it at or our agent to repair it. If the camera is left as it is abnormal, it may cause a burn or fire.
-  If the inside of the camera is exposed as a result of getting dropped or damaged, be sure not to touch the exposed inside to avoid getting an electric shock, burnt or injured. In such a case, immediately remove the battery out of the camera taking care not to get an electric shock, burnt or injured, and ask the store that you got it at or our agent to

repair it.

- ⊗ Never use the camera near inflammable gas and substance (gasoline, benzine, thinner etc.) to avoid danger of explosion, fire, burn, and so on.
- ⊗ If the camera is dropped on snow or in water, or its inside is moistened with water, immediately remove the battery from the camera and ask the store that you got it at or our agent to repair it. If the camera is continuously used as it is wet, it may cause a fire or electric shock.

2. **⚠ CAUTION (Fig. 2)**

- ⊗ Do not discharge the flash close to people's eyes (especially young children.) There is a danger of injury to the eyes.
- ⊗ Do not use the battery for purposes other than those prescribed. Because there is a danger of explosion and combustion.
- ★ Before taking important pictures (for business, weddings or travel etc.) please take a test film to confirm whether the camera is working correctly. You cannot be compensated for losses caused by loss of pictures with this product (such as cost of photography.)
In some areas, it is difficult to buy a battery (especially overseas.) We recommend taking an extra new battery when taking important pictures.
- ★ Film may become exposed during X ray scanning of checked luggage and hand luggage at airports.
We recommend that you carry film in your hand luggage and remove the film from the luggage before X ray scanning, to request inspection hand.

3. **FOR BETTER PICTURES: (Fig. 3)**

- ★ Because the shutter speed is slow in the evening or night photography, please use a steady surface or tripod to prevent blurring and camera shake.
- ★ It is recommended to use a highly sensitive film (ISO 400 or higher film speed) that is advantageous in taking pictures with the flash and preventing pictures from blurring.
- ⊗ Please do not scratch the lens or finder window by soiling them with fingerprints etc.
- ⊗ If the flash is switched on as its surface is soiled or touched by a gloved hand, the flash may deteriorate or discolour because of high temperature at flashing. Before taking a picture with the flash, make sure to wipe out the flash and to avoid covering or touching it by a gloved hand.

4. **TO LENGTHEN PERIOD OF USE: (Fig. 4)**

- ⊗ Please do not leave camera in hot or humid places, such as in a car or car trunk in direct sun light or on the beach in the sun or sand.
- ⊗ Don't use this camera in the rain. If exposed to rain, sea air or sand, please wipe with a dry cloth immediately. Salt is particularly damaging to the camera.
- ⊗ Please do not leave the camera near electrical appliances such as televisions or refrigerators.
- ⊗ Keep the camera away from formalin used in new cabinets and drawers, moth repellent and the insecticide naftalin (these will effect colour film quality).
- ⊗ Avoid exposing to mud or sand. These can cause serious damage to moving parts of the camera. In some cases the camera is damaged so badly that repair is not possible.

- ⊗ Please do not use organic solvents such as alcohol or paint thinner to clean the camera.
- ⊗ The lens may become clouded with water droplets if the temperature of the camera changes suddenly, for example if it is quickly brought from the cold outdoors into a warm room. Let the camera sit for a while before using.
- ⊗ A camera is a precision instruments. Please do not drop it, strike it or use excessive force when handling the camera.

5. HOLDING THE CAMERA: (Fig. 5)

- ★ Keep your elbows down to hold the camera steady.
- ★ Whether for vertical or horizontal photography, hold the camera with both hands and draw your elbows to your body.
- ★ If the flash is used with the camera held vertically, the flash unit should be at the top of the camera.
- ★ If you flash while holding the camera with the flash down, the picture (especially portrait) comes out unnaturally.
- ★ Be careful that fingers, hair and the camera strap are not in the way of the lens, the auto-focus windows or the flash.
- ★ Hold the camera firmly with both hands in a stable posture and press the shutter button with your finger tip.

6. CE

The CE Mark indicates that the product conforms to a directive of the European Union (EU).

Name of parts (Fig. 6)

- Shooting display panel/film counter
- Power Switch
- Zoom Switch
- Shutter Release Button
- Remote Control Sensor
- Strap attachment clip
- "Red-eye" reduction lamp/Self-timer lamp
- AE Photo Sensor Window
- Mode Switch
- Manual Rewind Switch
- View-finder Window
- Flash
- Auto-focus sensor Windows
- Lens/lens cover
- Green lamp
- Date and time indicator panel
- Back cover release knob
- Back cover
- Tripod Socket
- View finder eyepiece
- Film Check Window
- Battery cover/cover release button
- Auto-date/time selector/adjuster switch
- * ●● Auto-date model only

How to use the strap (Fig. 7)

- ★ Use the protrusion on the plastic piece of the strap for ease of pushing the small button switches.

Shooting Display Panel (Fig. 8)

The diagram shows all crystal displays in the "on" state.

- Ⓐ Auto-flash Mode Symbol (Standard mode)
- Ⓑ Battery power Symbol
- Ⓒ "Red-eye" reduction Mode indicator
- Ⓓ Flash-ON Mode (Fill in Flash) indicator
- Ⓔ Self-timer Mode indicator
- Ⓕ Night View Portrait Mode indicator
- Ⓖ Flash-OFF Mode indicator
- Ⓗ +1.5 Exposure Compensation Mode indicator
- Ⓘ Long distance Mode indicator
- Ⓝ Film Counter

Liquid Crystal Display

This camera uses the liquid crystal in the shooting display panel.

- ★ The LCD display darkens at high temperatures, and the response is slower at low temperatures.
- ★ The LCD returns to correct operating characteristics at normal temperatures.

Using the Viewfinder (Fig. 9)

The finder is real image finder. It shows what the camera lens sees.

- A. Picture frame
- B. Close-up (parallax correction) marks
- C. Auto-focus frame
- D. Green lamp (AE/AF Lock and close-up warning signal)

Standard Mode Operation

1. Loading the Battery (Fig. 10)

This camera will not operate without a battery loaded.

- ✔ You can open the cover of the battery chamber by depressing the release button of the battery chamber cover to the direction of the arrow indicated with the protrusion of in the strap adjustment tool.
- ✔ Be sure to load a battery in the battery chamber matching the +/- sides of the battery with the +/- marks inside the battery chamber, and close the battery cover with a click.
- ✔ If the battery mark is displaying black in the shooting display panel ● as the power is turned on (Fig12), the battery capacity is enough for operation.
- ✔ Use a single CR 123A or DL 123A (3 V) lithium battery.
 - (1) Adequate power supply. (Battery power symbol is black.)
 - (2) Low power (Battery Power symbol is 2/3 blank, 1/3 black.) Time to replace the battery.
 - (3) No more power. (1/3 black portion of Battery power Symbol blinks, then turns completely blank.) No more pictures can be taken.

When to replace the battery

When the battery Power Symbol is 2/3 blank, enough power remains to finish a roll of film before replacing the battery.

When the battery indicator mark completely turns into white, press the manual rewind switch ● to rewind the film and then replace the battery with new one.

Notes on replacing battery.

- 1) When replacing the battery, make sure to turn the power switch off first.
- 2) When replacing the battery with a film loaded in the camera, do it quickly (within 20 seconds).
- 3) When the power switch is turned on after replacement of the battery, the exposure counter may indicate "1". In such an event, you can continue to take pictures for remaining frames.
- 4) When the battery is replaced as the loaded film is near the end of the roll the film counter may show a blinking "0". In that event, use manual rewind (see Fig. 17).

2.Loading the Film (Fig. 11)

This camera uses standard 35 mm 135 size film magazines with DX coding. The film speed (ISO25-3200) is set automatically when the film is loaded.

- ✔ Push up the back cover release knob ● in the direction of the arrow to open the back cover ●.
- ★ Be careful not to touch the lens inside the camera.
- ★ Check to see whether the camera is loaded with a film or not by looking through the film check window ●.
- ✔ Place a new roll of film in the film chamber. Draw out the tip of the film, holding the magazine in place.
- ✔ Draw the film tip as far as the FILM TIP mark inside the camera. Close the Back Cover firmly.
- ✔ When you close the back cover the film is automatically advanced to the first frame position.
- ★ The film may not be advanced automatically just by closing the back cover if the film is loaded after the battery is loaded for the first time or after battery replacement. In

such case, press the power switch ● to turn on the camera after loading the film and closing the back cover. The lens is shifted to the shooting position and the film is forwarded for the first frame.

- ★ When using a film without DX coding or a film whose film speed is ISO 25, press the shutter release button once after the power switch is turned on.
- ★ When the film is not forwarded normally, "0" blinks in the film counter for about 5 seconds and then the LCD shows nothing. In that event, open the back cover and try to load the film into the camera once again.
- ★ Use ISO 25/50/100/200/400 film for color slides.

3.Taking Pictures (Fig. 12)

- ✔ Press the power switch ●. The lens cover ● opens and the lens barrel is moved out to the shooting position (wide-angle position of 38 mm focal length). At that time, the power is turned on and the LCD of the shooting display panel ● is activated.
- ★ If the front surface of the lens is soiled or dusty, lightly wipe it over with a dry cloth.
- ✔ While looking through the viewfinder eyepiece ●, press the zoom switch ●.
- If the zoom switch is pressed to the "T" side, the zoom lens is shifted to the telephoto side (f=118mm). If the zoom switch is pressed to the "W" side, the lens is shifted to the wide-angle side (f=38mm). Stop pressing the zoom switch at a desirable position which the picture is well composed at.
- ✔ Point the camera so that subject you want to focus on is in the center of the viewfinder (Auto-focus Frame C).
- ✔ Press the Shutter Release Button ● halfway until the

Green lamp ● comes on. The focus is automatically set.

- ✔ Press the Shutter Release Button all the way down to take the picture. The film will advance one frame.
- ✔ When shooting is finished, press the power switch. The power is turned off and the lens barrel is moved back into the camera body.
- ★ If the camera is left on, it will switch off approximately three minutes after the last operation. The lens barrel is moved back to the wide-angle position ($f=38$ mm) and the LCD of the shooting display panel is also turned off. When the shutter release button is pressed halfway the LCD goes on again and the camera is ready for next shooting.
- ★ If shooting is discontinued, press the power switch to move the lens barrel back into the camera.

Camera to subject Range: 38 mm 0.8 m (2.6 ft) — ∞
 118 mm 0.8 m (2.6 ft) — ∞

- ★ When the object distance is 0.8 to 1m, the camera is set for the close-up mode. (Fig.15)

4. Using Auto-flash (Fig. 13)

The flash unit will automatically flash in low light.

- ✔ If the Shutter Release Button ● is pressed in a dark place, the flash lamp is automatically actuated to emit light.
- ★ Slowest shutter speed is 1/30 sec. at wide angle, 1/60 sec. at telephoto. Hold the camera steady to prevent blurring at slow shutter speeds.
- ★ When the shooting mode indicator ◀ is blinking at the ⚡ mark appearing in the shooting display panel, it indicates that the flashlight is being recharged and the shutter release

button is inactive.

- ★ When the flash is used to take pictures of people, use the "Red-eye" reduction Mode. (Fig. 19).

Flash Photography Range:

(When negative color film is used.)

38 mm	ISO100 0.8 m (2.6 ft) — 5.6 m (18.4 ft)
	ISO400 0.8 m (2.6 ft) — 11.2 m (36.8 ft)
118 mm	ISO100 0.8 m (2.6 ft) — 1.9 m (6.2 ft)
	ISO400 0.8 m (2.6 ft) — 3.8 m (12.5 ft)

5. Focus Lock (Fig. 14)

Aim the auto-Focus Frame at the subject.

- ✔ Depress the Shutter Release Button ● halfway until the Green lamp ● turns on.
- ★ Automatic Exposure (AE) is locked at the same time as Focus Lock.
- ✔ With the Shutter Release button held at this point, compose the picture, and continue pressing the Shutter Release Button fully down to take the picture.
- ★ Do not change the shooting distance.
- ★ Focus Lock will be released if the finger is removed from the Shutter Release Button before taking the picture.
- ★ The auto-focus may not operate properly with some kinds of dark/grey objects, reflective or light-emitting objects, very small objects or when there are obstructions such as rain. Mist or smoke. In such cases, set the Focus Lock by aiming the camera at another object of similar brightness at about the same distance.
- ★ When taking pictures through a glass window, the Auto-focus mechanism may not focus properly because of

reflections. To take photos through glass, press the camera directly against the glass. For landscape photos through a window, use the Long distance Mode (Fig. 25).

6. Close-up Photography (Fig. 15)

You can focus in as close as 0.8 m (2.6 ft), with 118 mm telephoto for extreme close-up photos.

- ✔ Match the Auto Focus target with your subject that you want to focus on. Make sure the subject is in the center of Auto focus target at a distance of 0.8 (2.6 ft) — 1 m (3.3 ft).
- ★ As you set the lens at the Telephoto distance of 118 mm, you can zoom towards Wide-angle to adjust your picture composition.
- ✔ Frame the picture within the finder's close-up (parallax correction) marks and press the shutter release button.
- ★ Use focus lock when the subject is outside the auto-focus frame.
- ★ When depressing the shutter release button halfway if the green lamp blinks, that indicates the shooting distance is shorter than 0.8 m. When the shutter will lock, correct the distance and depress the Shutter Release Button again.
- ★ Camera vibration can be prevented by using a tripod and shooting with the self-timer.

7. Unloading the Film (Fig. 16)

- ✔ When the loaded film reaches the end, it is automatically rewound.
- ✔ When the film is completely rewound, the rewind operation automatically stops. After  in the film counter brightens for about 5 seconds, the LCD is turned off with nothing appearing in the window. Confirming that the LCD is

completely turned off, open the back cover and take the film out of the camera.

- ★ When the film is exposed more than the regular number of frames, the last two frames may be double exposures.

Manual Rewind (Fig. 17)

To rewind the film manually (forced rewind) before the roll is finished.

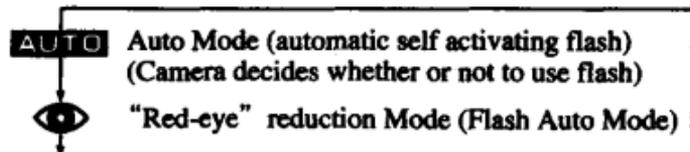
Use the Strap Ring tip to press the Manual Rewind Switch . The film will begin to rewind.

Advanced Instructions

8. Using the Mode Switch (Fig. 18)

Each time the mode selector switch  is pressed, the indication () points at a shooting mode one after another in circulation motion on the shooting display panel.

- ★ The camera remains in the select shooting mode until another shooting mode is selected. However, the self-timer photography mode is automatically reset to the AUTO mode each time self-timer photographing is complete.
- ★ If the power is turned off and on again, the shooting mode is set to the AUTO mode.



	Flash ON Mode (Fill in flash) (User decides to use flash)
	Self-timer Mode (Flash Auto Mode)
	Night View Portrait Mode (Flash ON Mode)
	Flash OFF Mode (User decides not to use flash)
	+1.5 Exposure Compensation Mode (Exposure corrected to +1.5 aperture) (Flash OFF Mode)
	Long distance Mode (Flash OFF Mode)

9. "Red-eye" Reduction Mode (Fig. 19)

When taking pictures of people's faces under dim light, using flash, reflection of flash on the retina, sometimes called "Red-eye" may result. This mode reduces "Red-eye" phenomenon because the flash lamp flashes after the "Red-eye" reduction lamp makes the pupils of the eyes smaller.

- ✔ Press the mode selector switch to make the indication (▼ mark) point at .
- ✔ If the shutter operates when the camera is pointed towards a person, the "Red-eye" reduction lamp lights, the flash operates and the shot is taken.
- ★ The flash operates approximately 0.5 seconds after the red-eye reduction lamp. Make sure the subject or the camera is not moved during this time.
- ★ The flash will not fire in bright conditions.

★ In flash photography the slowest shutter speed that can be selected is 1/30 sec. at wide angle mode or 1/60 at telephoto mode. www.butkus.us

10. Flash ON Mode (Fig. 20)

Daylight flash photography is effective for back-lit subjects, strong shadows or on cloudy days.

- ✔ Press the mode selector switch to make the indication (▼ mark) point at .

The flash will operate even in bright places.

- ★ Slowest shutter speed is 1/30 sec. at wide angle, 1/60 sec. at Telephoto Hold the camera steady to prevent blurring at slow shutter speeds.

11. Self-timer Mode (Fig. 21)

★ Use a tripod for taking not only souvenir pictures but also close-up pictures. Be sure to use a tripod to prevent the camera from shaking that causes blurred picture.

- ✔ Press the mode selector switch to make the indication (▼ mark) point at .

✔ The self-timer will start and release the shutter after about 10 seconds.

- ★ Press the self-timer switch from behind the camera.
- ★ If you want to cancel the operation while the self-timer is in operation, press the power switch is turn off.
- ★ Each time self-timer photographing is complete, the self-timer photography mode is cancelled. Be sure to set the camera to the self-timer photography mode whenever you are going to take a picture with the self-timer.

12. Night View Portrait (Fig. 22)

Flash fires in synchronization with slow shutter speed.

- ✔ Press the mode selector switch to make the indication (▼mark) point at .

Under poor light, shutter will remain open for up to 1 sec. to achieve correct exposure conditions.

- ★ The AE operates normally in the flash mode, so it is possible to take correctly exposed photographs at dawn and dusk, on cloudy days, or at close range, and against dark backgrounds.
- ★ Use of a tripod is recommended to prevent the camera from shaking.

13. Flash OFF Mode (Fig. 23)

In flash OFF Mode, the flash will not fire even under poor light. Use this mode to prevent operation of flash when not permitted, or for taking evening scenes with available light only, for example.

- ✔ Press the mode selector switch to make the indication (▼mark) point at .

The camera is now set for programmed AE photography at up to 1 seconds without flash.

- ★ Use of a tripod is often advisable in Flash OFF Mode, to prevent blurring due to slow shutter speeds.

14. +1.5 Exposure Compensation Mode (Fig. 24)

This feature slightly over-exposes the picture to bring out high-lights in a backlighted scene, or to capture detail in shadows or when contrast is high.

- ✔ Press the mode selector switch to make the indication

(▼mark) point at .

This causes the resulting picture to automatically over-exposed by 1.5 EV.

- ★ Use a tripod for photographing in a dark place for preventing the camera from moving.

15. Long distance Mode (Fig. 25)

Use this mode to take photos of distant landscapes and when shooting scenery or landscapes through a glass window. Focus will be set at distance for maximum sharpness.

- ✔ Press the mode selector switch to make the indication (▼mark) point at .

This will insure sharp focusing at very long range.

- ★ For dark photography such as evening and nighttime, the shutter speed slows down, so in order to stop the camera from shaking, please use a tripod.

16. Auto-date (for Auto-date model only)

The Auto-date model of this camera has a quartz-controlled auto-date mechanism (clock/calendar) that is programmed through December 31, 2049.

17. Changing the Display Mode (Fig. 26)

Press the "MODE" Switch  and select either date or time.

- ★ By turning the auto date switch, you can set the Auto Date to print Year/Month/Day or Day/Hour/Minute, or choose not to print.
- ★ Adjust the Auto-date display after replacing the battery.

18. Adjusting Date and Time (Fig. 27)

- ✔ Press the MODE switch to show year, month and day on the display.
- ✔ Press the SELECT switch to select numeral to blink.
- ✔ While the selected numeral is blinking, press the SET switch to correct the numeral.
- ★ Press the SET switch repeatedly until the numeral changes as desired.
- ★ Repeat the above steps ✔ and ✔ until all numerals indication year, month and day are corrected as desired.
- ✔ After adjustment of the all numerals is complete, press the SELECT switch again. Blinking of the numeral stops and it lights continuously with the "Ready" mark (—) appearing above the numeral to indicate that the camera is ready for shooting.
- ★ Whenever the calendar (year, month, day) is reset for correction, correct the clock (hour, minute) too without fail.
- ★ For adjusting the time, press the MODE switch to show day, hour and minute on the display and then adjust the clock by repeating the above steps ✔ and ✔ in the same manner as adjustment of date.
- ★ After adjustment of minute is complete, press the SELECT switch and the " : " mark starts blinking. Press the SELECT switch once again to enter the camera into the "Ready" status.
- ★ To adjust the clock by second, get the " : " mark blinking first and then press the SET switch to set the clock by the time signal while listening to the radio, etc. Then, press the SELECT switch to enter the camera into the "Ready" status.

Specifications

Film speed	With DX film, auto setting ISO25 to ISO3200, with non DX film defaults ISO25
Type	Auto-focus auto-exposure 35 mm lens shutter camera with built-in zoom lens
Format	24x36 mm
Lens	38 mm F 3.6—118 mm F10.6 focal length zoom lens (5 groups 6,elements), with lens cover.
Power switch	As the power is turned on, the lens cover opens and the lens barrel is moved out of the camera body. As the power is turned off, the lens barrel is moved back into the camera body and lens cover is closed. When the camera is left without operation as the power is turned on for 3 minutes, the power is automatically turned off.
Shutter	Electronic programmed shutter, 1 — 1/300 sec.
AE Coupling range	ISO100: f=38mm EV 4 — EV 16 f=118mm EV 6.8 — EV 16
AE adjustment	Backlight fill in program AE using a CdS light receptor element
Focusing	Infrared non scan active type auto-focus system, effective range: 0.8 m (2.6 ft) — ∞(with 118 mm telephoto),

	Focus lock with shutter release half stroke
Finder	Real-image zoom finder with auto-focus frame, close-up parallax marks, Green lamp (auto-focus/focus lock, blinks when subject is out of range)
Flash	The flashmatic mechanism automatically emits when the hand shake limit for low light. Interactive range — (ISO 100) f=38 mm 0.8 m (2.6 ft) — 5.6 m (18.4ft),/f=118mm 0.8 (2.6 ft) — 1.9 m (6.2 ft); Flash recycling time — 6 seconds;
Settings	Mode Switch: Auto Flash → "Red-eye" reduction → Flash ON → Self-timer → Night View Portrait → Flash OFF → +1.5 EV over-exposure → Long distance
Self-timer	Electronic self-timer about 10 sec. delay, red LED blinks for first 7 sec. then lights for 3 sec. cancel function provided.
Film transport	Automatic film advance to first frame (Motor-drive autoloading starts when the back cover is closed), auto wind after each frame, auto rewind at end of roll with auto-rewind stop. Manual rewind feature.

You can rewind the film before the roll if finished.

Frame counter	Additive type, LCD panel display
Auto-date (Auto-date model only)	Built-in digital LCD display, Imprints time or date to the year 2049, setting for date or time recording or cancel for no imprinting, adjustable to nearest sec.
Operation temperature range	-10°C to 50°C
Battery life	About 10 rolls with flash for half the exposures (24-exposure film)
Power source	Lithium battery (CR123A, DL123A: 3 V), battery power check on LCD panel
Size, weight	117.6x67.5x55mm(4.6x2.6x2.1") 253.8g(8.86oz)battery extra 270g(9.45oz)(with auto date)

Note: Specifications and design subject to change without notice. Above data based on manufacturer's tests.

Vivitar



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