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Konica Ai big mini

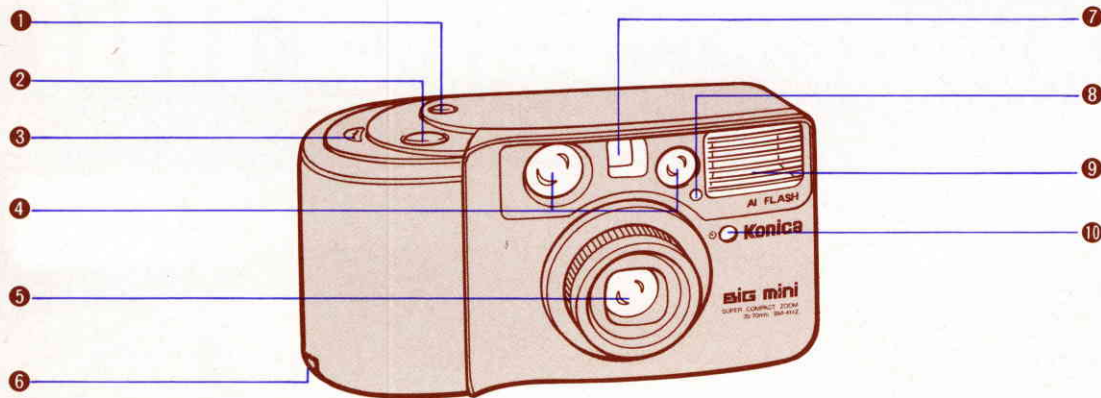
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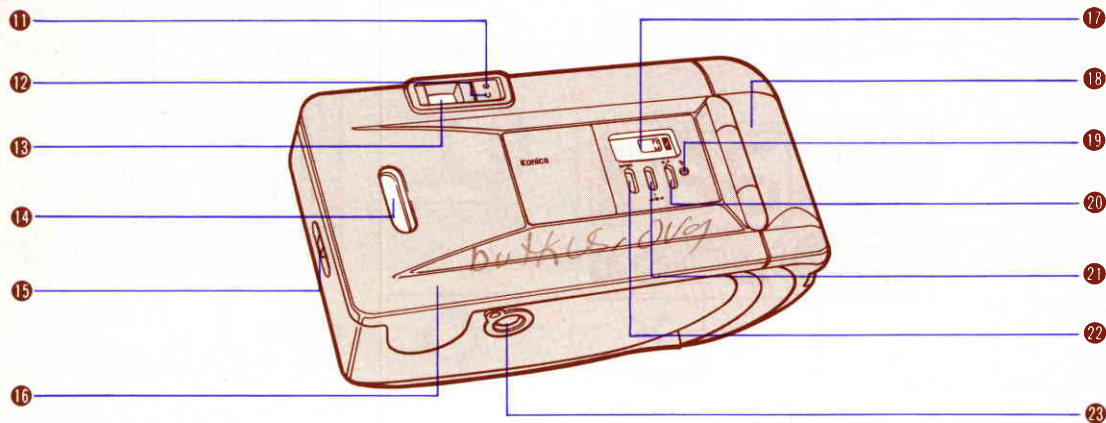
Fig. 1



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Fig. 2



HOW TO USE THE STRAP

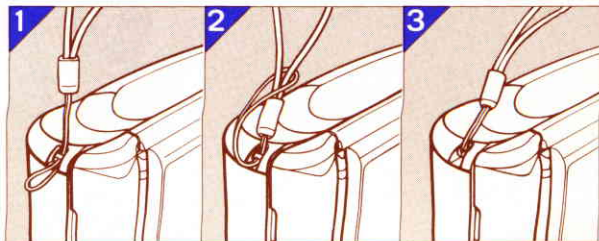


Fig. 3

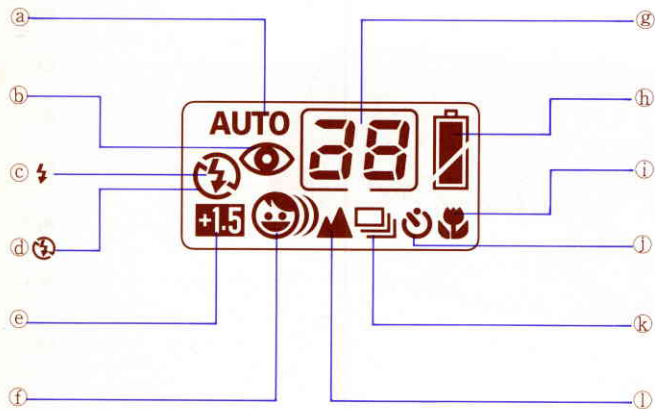


Fig. 4

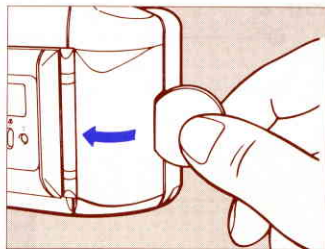


Fig. 5

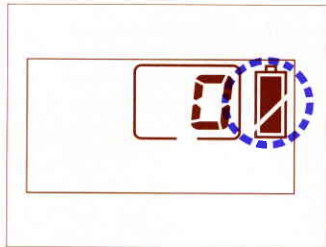


Fig. 6

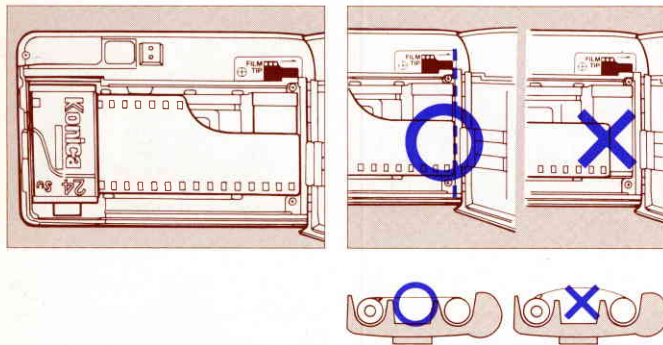


Fig. 8

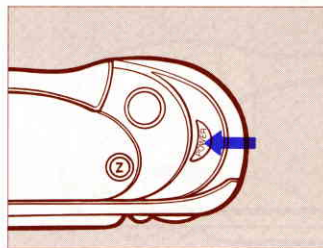


Fig. 7

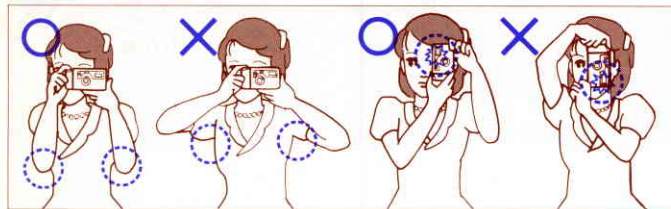
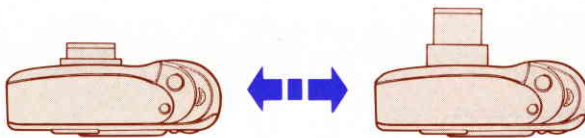
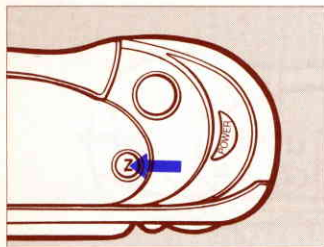


Fig. 9



35mm

70mm

Fig. 10



Fig. 12



Fig. 14

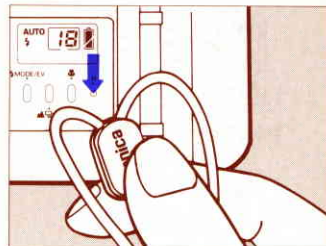


Fig. 11

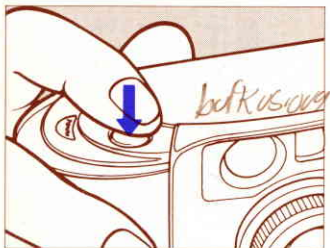


Fig. 13



Fig. 15

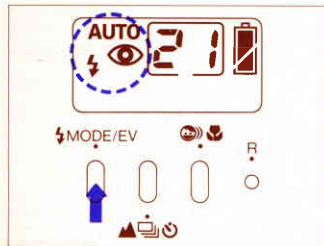


Fig. 17

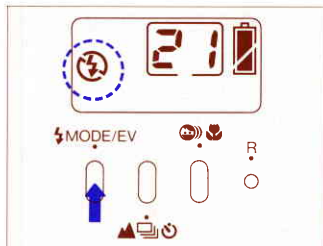


Fig. 19

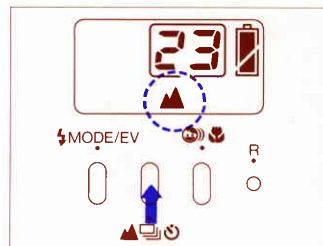


Fig. 16

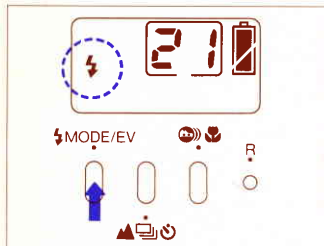


Fig. 18

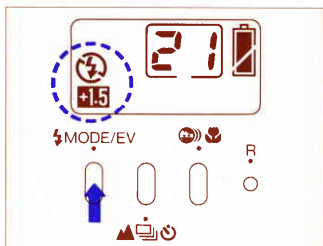


Fig. 20

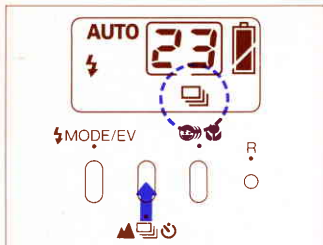


Fig. 22

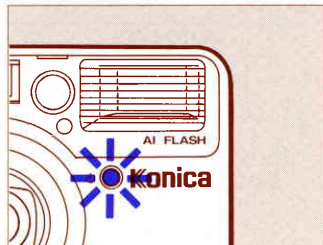


Fig. 24

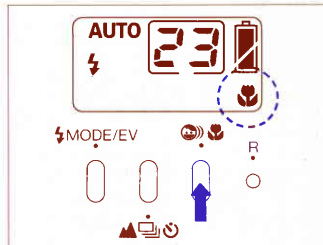


Fig. 21

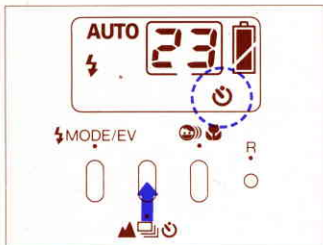


Fig. 23

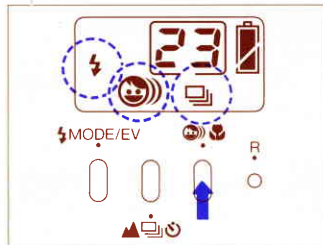


Fig. 25

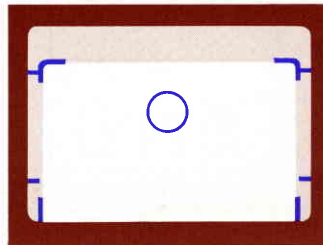


Fig. 26

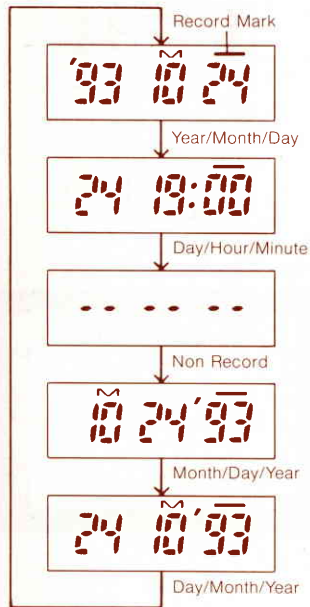
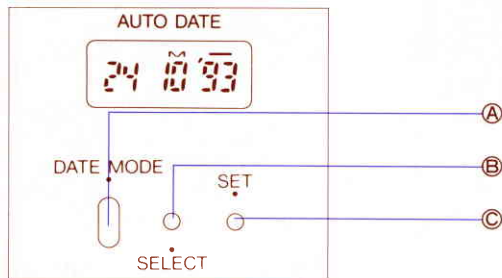


Fig. 27



PRECAUTIONS FOR USE



ENGLISH

Names of Parts (Fig. 1, Fig. 2)

- ① Zoom Switch
- ② Shutter Release Button
- ③ Power Switch
- ④ Auto-focus Sensor Windows
- ⑤ Lens/Front Filter
- ⑥ Strap Eyelet
- ⑦ Viewfinder Window
- ⑧ Auto-exposure Sensor Window
- ⑨ Built-in Flash
- ⑩ Self-timer Light
- ⑪ Green Light
- ⑫ Red Light
- ⑬ Finder Eyepiece
- ⑭ Film Check Window
- ⑮ Back Cover Lock
- ⑯ Back Cover
- ⑰ Display Panel
- ⑱ Battery Chamber Cover
- ⑲ Manual Rewind Switch
- ⑳ Mode Switch-3
- ㉑ Mode Switch-2
- ㉒ Mode Switch-1
- ㉓ Tripod Socket

Display Symbols (Fig. 3)

- Ⓐ Auto-flash Mode Symbol (Standard Mode)
- Ⓑ Pre-Flash Mode Symbol
- Ⓒ Flash ON Mode Symbol (Fill in Flash)
- Ⓓ Flash OFF Mode Symbol

- Ⓔ Exposure Compensation Mode Symbol
- Ⓕ Child Flash Mode Symbol
- Ⓖ Frame Counter
- Ⓗ Battery Power Symbol
- Ⓘ Close-up Mode Symbol
- Ⓙ Self-timer Mode Symbol
- Ⓚ Continuous Shooting Mode Symbol
- ① Infinity Mode Symbol

Standard Mode Operation

1. Loading the Battery

Use a single lithium CR-P2 (6V) battery. This camera will not operate unless the battery is inserted.

- 1) Insert a thin coin into the groove of the Battery Chamber Cover ⑯ and turn to open the cover. (Fig. 4)
- 2) Insert a fresh battery aligning the “+” and “-” poles as shown inside the cover, then close the cover.
- 3) If the Battery Power Symbol ① is black, the power is full. (Fig. 5)

★ Since the auto-date calendar/clock runs on the same battery as the camera, please reset date/time after loading the battery. (for Auto-date model only)

When to replace the 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.

- ★ Replace the battery when the Battery Power Symbol is 2/3 blank. Wait until the end of a roll of film before replacing battery.
- ★ After changing the battery please press the Power Switch ③.

2. Loading the Film

This camera uses standard 35 mm (135 size) roll film magazines with DX coding. The film speed (ISO 25-3200) is set automatically when the film is loaded in the camera.

- ★ In case non-DX film is used, the film speed is set to ISO 25.
 - ★ For color reversal pictures (transparencies), use film of ISO 25, 50, 100, 200 or 400 speed.
- 1) Push down the Back Cover Lock ⑮ and open the Back Cover ⑮.
 - 2) Place a new roll of film in the film chamber.
 - ★ When loading film, be careful not touch the back of the lens inside the camera. If the lens gets dirty, wipe it gently with a soft, dry cloth.
 - 3) Draw out the tip of the film, holding the magazine in place.
 - 4) Draw the film tip as far as the FILM TIP mark inside the camera. (Fig. 6)
 - 5) Close the Back Cover firmly.
 - 6) Press the Shutter Release Button ② once. The film is automatically advanced to the first frame, and Frame Counter ⑧ on the Display Panel indicates "1".
 - ★ If the film has not been correctly loaded Zero Mark at the Frame Counter "0" will blink. Open the Back Cover and reload the film.

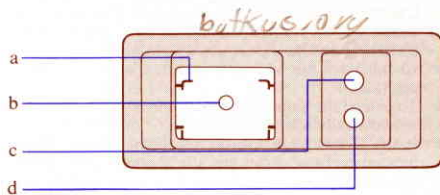
3. Holding the Camera (Fig. 7)

- ★ Be sure that the lens and the Auto-focus Windows ④ are not obstructed by anything: fingers, strap, etc.

- ★ If the flash is used with the camera held vertically, the flash unit should be at the top of the camera.

4. Using the Viewfinder

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



- a; Parallax compensation marks
- b; Auto-focus frame
- c; Green Light (AE/AF Lock and close-up warning signal)
- d; Red Light (Indicates flash will operate/low light warning)

5. Taking Pictures

- 1) Press the Power Switch ③ once so that the power is ON. The lens barrel will move forward and Auto-flash Mode Symbol ② appears. (Fig. 8)
- 2) Look through the Finder Eyepiece ⑬ and press the Zoom Switch ① to adjust the lens. (Fig. 9)
- ★ The field of view in the viewfinder changes automatically as the lens is zoomed in or out.
- 3) Point the camera so that subject you want to focus on is in the center of the viewfinder (Auto-focus Frame). (Fig. 10)

- 4) Press the Shutter Release Button ② halfway until the Green Light ⑪ in the viewfinder comes on. The focus is automatically set.
- ★ Self-timer Light ⑩ turns on at the same time as the Green Light.
- 5) Press the Shutter Release Button all the way down to take the picture. The film will advance one frame. (Fig. 11)
- ★ **Camera to Subject Range: 1.0 m (3.3 ft) — ∞**
- 6) When you're finished taking pictures, press the Power Switch ③ to turn the camera's power off.
- ★ At this time the lens retracts automatically to the initial position.
- ★ To extend the battery life, the camera will switch itself off automatically after 30 minutes.
- ★ If the Green Light blinks when the shutter release is pressed halfway down and the shutter release locks, the camera is too close to focus. Move back slightly and take the picture or switch to Close-up Mode.

6. Using Auto-flash

If the Red Light ⑫ and Green Light ⑪ turns on when the shutter release is pressed halfway down, there is not enough light, and the Auto-flash will operate.

- 1) Press the Shutter Release Button ② to take a picture with flash.
- 2) After taking a picture with flash, the Red Light will appear for a few seconds while the flash is recharging. Shutter locks until recharging is completed.

Flash Photography Range

35 mm	ISO 100	1 m (3.3 ft) — 5.5 m (18 ft)
	ISO 400	1 m (3.3 ft) — 11.0 m (36 ft)
70 mm	ISO 100	1 m (3.3 ft) — 2.9 m (9.5 ft)
	ISO 400	1 m (3.3 ft) — 5.8 m (19 ft)

7. Focus Lock

- 1) Aim the Auto-Focus Frame at the subject. (Fig. 12)
- 2) Depress the Shutter Release Button ② halfway until the Green Light ⑪ turns on.
- ★ Self-timer Light ⑩ turns on at the same time as the Green Light.
- ★ Focus Lock will be released if the finger is removed from the Shutter Release Button before taking the picture.
- ★ Automatic exposure (AE) is locked at the same time as Focus Lock.
- 3) With the Shutter Release Button held at this point, compose the picture, and then release the shutter. (Fig. 13)
- ★ Focus Lock may not operate properly with some kinds of dark or grey objects, reflective or light-emitting objects, or very small objects. 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 Infinity Mode.

8. Unloading the Film

- 1) When the last frame of the film has been exposed, the film will be automatically rewound. When the film is fully rewound, the motor stops automatically.
- 2) When the rewinding has stopped, check that the Frame Counter ⑤ has returned to "1", the "1" will blink.
- 3) Open the Back Cover ⑬ and remove the film.

Manual Rewind

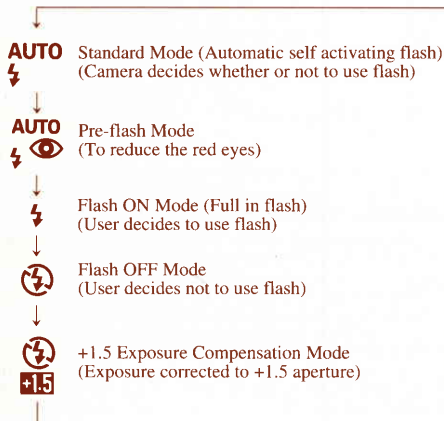
To rewind film manually (forced rewind) before the roll is finished.

- 1) Use the tip of the tab on the camera strap to press the Manual Rewind Switch ⑮. Film will begin to rewind. (Fig. 14)

Advanced Instructions

Using the Mode Switch-1

Pressing the Mode Switch-1 ②② shifts the camera through the following modes.



- ★ Since all modes are fixed, you can continue to photograph in the mode once it is set.
- ★ When you have finished photographing, set it back to the **⚡ AUTO**.

1. Pre-Flash Mode (👁)

When a figure is photographed in a dark place, it often results in red eyes in the picture. To reduce this red eyed effect, the pre-flash function is used for firing a spare flash to make the pupil smaller just before shooting the final flash photograph.

- 1) Press the Mode Switch-1 ②② until the Pre-flash Mode Symbol (**AUTO ⚡ 👁**) appears on the display panel. (Fig. 15)
- ★ As the main flash will be activated about one second after the Pre-flash, please be careful not to move the camera during this time.

2. Daylight Flash (⚡)

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

- 1) Press the Mode Switch-1 ②② until the **⚡** symbol will appear on the display panel to indicate Flash ON Mode. (Fig. 16)
- 2) The flash will operate even in bright places.

3. Slow Shutter Sync (⚡)



In the Flash ON Mode, slow shutter speeds are used for available light.

- 1) Press the Mode Switch-1 ②② until the **⚡** symbol will appear on the display panel to indicate Flash ON Mode. (Fig. 16)
- 2) 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.

- ★ The use of a tripod is recommended to prevent camera shake.

4. Flash OFF Mode ()

The flash does not fire in this mode. Use this mode for photographing in a museum where no flash is allowed, or shooting an evening or night view.



- 1) Press the Mode Switch-1  until the  symbol will appear on the display panel, to indicate Flash OFF Mode. The camera is now set for programmed AE photography at up to 3.3 seconds without flash. (Fig. 17)

- ★ Photographing in dark place require a slower shutter speed. When depressing the Shutter Release Button halfway if a Red Light blinks, that indicates the warning that the shutter speed set is too slow for hand-hold photography causing a vibration.
- ★ If the Red Light blinks slowly, this is the warning that the resultant picture becomes too dark by under exposure.


5. +1.5 Exposure Compensation Mode

( +1.5)

When making your picture finished overall lighter, shooting a figure against the light, in a skiing ground, or photographing the shadow of a building under the very contrasty lighting to be brighter, this function is very effective.

- 1) Press the Mode Switch-1  until the  +1.5 symbol will appear on the display panel. This causes the resultant picture automatically over-exposed by 1.5 EV. (Fig. 18)

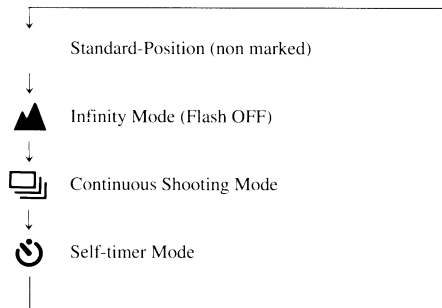
Using the Mode Switch-2

Pressing the Mode Switch-2  shifts the camera through the following modes.

- ★ Since the Infinity Mode and Continuous Shooting Mode are fixed, you can continue to photograph in the mode once it is set.



When you have finished photographing set it back to the standard position.


- ★ In the Self-timer Mode, it returns to the standard position at each shot.



1. Infinity Mode ()

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


- 1) Press the Mode Switch-2  until the Infinity Mode Symbol () appears on the display panel. (Fig. 19)
- 2) This will insure sharp focusing at very long range.

- ★ Flash will not operate in the Infinity Mode.
- ★ If the Red Light blinks after you have depressed the Shutter Release Button  halfway, this is a warning that there is insufficient light. Therefore press Mode Switch-1


22 and select the Flash OFF Mode.

2. Continuous Shooting Mode ()

The Shutter Release Button may be held down to take a sequence of photos in rapid succession. (at about 1.5 frames per second with available light.)

- 1) Press the Mode Switch-2 (21) until the Continuous Shooting Mode Symbol () appears on the display panel. (Fig. 20)
 - 2) Press the Shutter Release Button and hold it down for continuous shooting, as desired.
 - 3) Remove your finger from the shutter to stop shooting.
- ★ With flash photography or slow shutter photography the next exposure will be slightly delayed.
 - ★ With the Child Flash Mode, continuous flash photographs can be taken at short intervals.
 - ★ Since the focusing and exposure are fixed, this is not suited for photographing a subject which changes distant and brightness greatly.

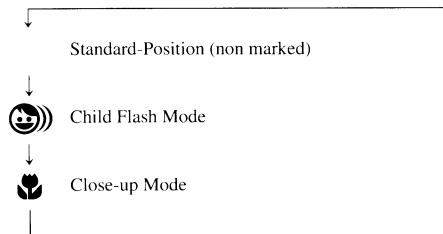
3. Self-timer Mode ()

- 1) Press the Mode Switch-2 (21) until the Self-timer Mode Symbol () appears on the display panel. (Fig. 21)
 - 2) Set the camera on a tripod or steady surface, frame the picture, and press the Shutter Release Button. The Self-timer will start, and release the shutter after about 10 seconds.
- ★ The Self-timer Light (10) on front of the camera will light for 7 seconds and blink for the last 3 seconds before release. (Fig. 22)
 - ★ Mode Switch-1 modes and Close-up mode can be selected.
 - ★ Do not stand in front of the camera when starting the Self-timer. (If you are blocking the lens, shutter release will lock.)

- ★ In Self-timer Mode, the camera will return to standard mode after one exposure. It is necessary to reset the Mode Switch-2 each time a Self-timer Mode picture is taken.
- ★ To stop the Self-timer before the picture is taken, press the Power Switch (3).
- ★ Focus and AE Lock may be used with the self-timer.
- ★ Self-timer photography requires a tripod.




Using the Mode Switch-3


Pressing the Mode Switch-3 (20) shifts the camera through the following modes.



1. Child Flash Mode (continuous flash photography) ()



By selecting this mode, you can take continuous flash photographs such as of a moving child.

- 1) Press the Mode Switch-3 (20) until the Child Flash Mode Symbol (  ) appears on the display panel. (Fig. 23)

- 2) Take continuous flash photographs by keeping the Shutter Release Button ② depressed.
- 3) Remove your finger from the shutter to stop shooting.
- ★ The flash will work even when photographing in a bright location, but it is more effective in dark conditions.
- ★ If you press the Mode Switch-2 ②, the  display goes out, and Continuous Shooting Mode is cancelled. Now, please press the Shutter Release Button take out each time you wish to take a photograph.
- ★ Can be combined with Pre-flash Mode.
- ★ High-sensitivity films of ISO 400 or above are more effective.

2. Close-up Mode

It is possible to make a close-up shot at a distance to the subject as close as 0.6 m with the telephoto lens (70 mm).

- 1) When pressing the Mode Switch-3 ③, the lens is extended up to 70 mm and the display panel shows  to enter into the Close-up Mode. (Fig. 24)
- 2) Approach the subject up to 0.6 m—1 m, position it to fit in the Auto-focus Frame and depress the Shutter Release Button halfway until the Green Light turns on.
- ★ When depressing the Shutter Release Button halfway if a Green Light blinks, that indicates either the shooting distance is shorter than 0.6 m, or farther than 1 m. When the shutter is locked, correct the distance and depress the Shutter Release Button again. (Note that if the shooting distance is shorter than 0.35 m the shutter is released.)
- 3) With the Shutter Release Button held at this point, determine your shooting angle with in the Parallax compensation marks to release the shutter. (Fig. 25)
- ★ All photographic modes (except ) can be selected.
- ★ The camera vibration can be protected by using a tripod and shooting with the self-timer.

Auto-date (Fig. 26, Fig. 27)

(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, 2091.

Changing the Display Mode

Press the “MODE” Switch ① and select either date or time.

Adjusting Date and Time

- 1) Press the “MODE” Switch ① and the date or time will be displayed.
- 2) Press the “SELECT” Switch ② so that the date and time blinks.
- 3) Press the “SET” Switch ③ to set the date or time.
- 4) Press the “SELECT” Switch ② again to return to start position.
- ★ Adjust the Auto-date display after replacing the battery.

Liquid Crystal Display

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.

Specifications

Type	Auto-focus auto-exposure 35 mm lens shutter camera with built-in zoom lens
Format	24 x 36 mm
Lens	35 mm F3.6—70 mm F6.8 focal length Konica zoom lens (7 groups 7 elements), Built-in skylight filter
Shutter	Electronic programmed shutter, 3.3—1/360 sec.

Power switch	Lens barrel extended and shutter lock cancelled for Power switch ON
Focusing	Infrared non-scan active type auto-focus system, effective range 1 m (3.3 ft) to ∞ , Focus lock with shutter release half stroke
AE adjustment	Programmed AE with CdS photo cell used, Center weighted
AE Coupling range	ISO 100; f=35 mm EV2—EV16.5 f=70 mm EV3.8—EV16.5
Film speed	With DX film, auto setting ISO 25 to ISO 3200, with non DX film defaults ISO 25
Finder	Real-image zoom finder with auto-focus frame, close-up parallax marks, Green light (auto-focus/focus lock, blinks when subject is out of range), Red light (auto flash/flash charge, blinks in Flash OFF mode when available light is insufficient.)
Flash	Flash operates automatically when shutter speed approaches limit for hand-held shooting, range (ISO 100) f=35 mm 1 m (3.3 ft)—5.5 m (18 ft), f=70 mm 1 m (3.3 ft)—2.9 m (9.5 ft), recycle time about 3 sec. Child Flash Mode: 1—3 sec.
Mode switch	Auto flash, Pre Flash, Flash ON, Flash OFF, +1.5EV over-exposure, Infinity photography, Continuous shooting, Self-timer, Child Flash photography, Close-up photography

Continuous shooting	About 1.5 frames per second with available light
Self-timer	Electronic self-timer about 10 sec. delay, red LED lights for first 7 sec. then blinks for 3 sec. Cancel function provided.
Close-up	Effective range 0.6 m (2 ft)—1 m (3.3 ft) (70 mm)
Film transport	Automatic film advance to first frame (with shutter release), auto wind after each frame, auto rewind at end of roll with auto-rewind stop, manual (forced) rewind feature
Frame counter	Additive type, LCD panel display
Auto-date (Auto-date model only)	Built-in digital LCD display, Imprints time or date up to the year 2019, setting for date or time recording or cancel for no imprinting, adjustable to nearest second
Battery life	About 30 rolls with flash for half the exposures (24-exposure film)
Power source	Lithium battery (CR-P2; 6 V)
Size, weight	129.5 x 69 x 46 mm (5.1 x 2.7 x 1.8") 275 g (9.7 oz) battery extra
Note:	Specifications and design subject to change without notice. Above data based on manufacture's tests.