

OLYMPUS®

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E F

InfinityTWIN

■ INSTRUCTIONS

■ MODE D'EMPLOI

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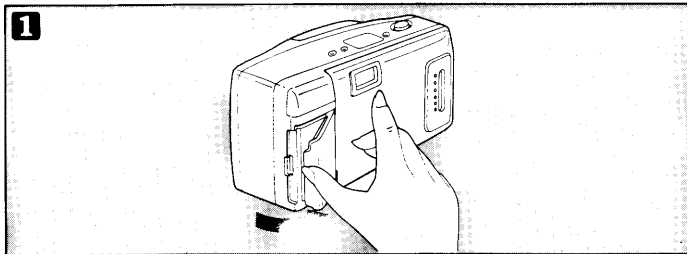
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Preparations before taking pictures

Loading batteries

Do not use incorrect batteries or mix new and old batteries at the same time. Remove the batteries and keep them in a safe place if you are not likely to use the camera for long time.

- 1** Open the battery compartment cover. The battery cover is closed tightly to maintain weatherproofness and due to the extremely long battery life.



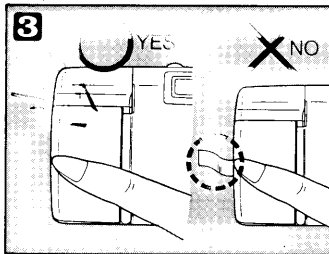
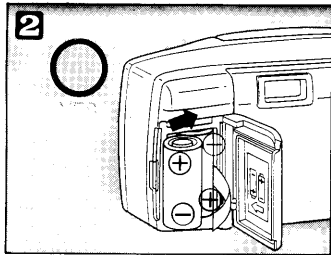
2 Insert the two "DL123A/CR123A" type lithium batteries correctly. Any DL123A/CR123A type commercially available lithium battery is acceptable.

* Pull out the red tape before loading the batteries.

* Always install and remove the batteries with the lens barrier closed.

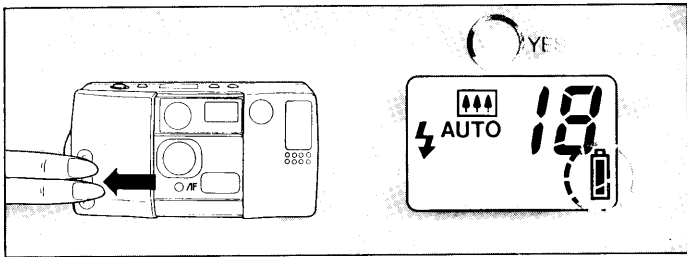
3 Close the battery compartment cover.

Make sure the red tape is not caught in the battery cover.



Checking the batteries

Close the lens barrier once, then open it again. The battery condition will be displayed in the LCD panel for 2 seconds. If the mark "⎓" appears, the batteries are in good condition. If the mark "⎓" blinks, the batteries still have enough power to expose about one roll of film. If "⎓" turns out to be a steady light, the batteries are exhausted and you must replace them because the camera will not operate. Note: The display LCD panel will remain on for 90 seconds. The lens will reset itself to wide-angle and the camera will be set to the normal shooting mode when the barrier is closed.





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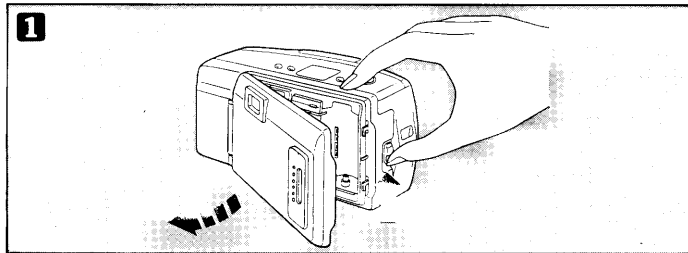
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Simple operating procedures

Loading the film

This camera is designed for use with "DX" film. If no "DX" film is available, use ISO 100 film. This camera is automatically set to ISO 100 with non-DX coded film.

1 Push up the back cover lock to open the camera back.



2 Prepare "DX" film.

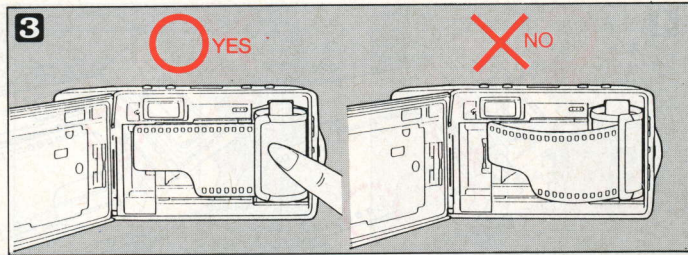
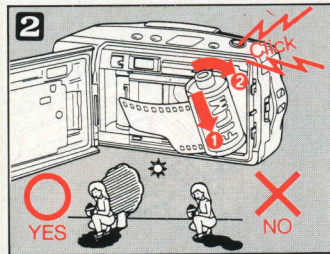
(With "DX" film, the film speed is automatically set.)

Always load film in the shade.

First, fit the bottom of the film cassette securely onto the rewind shaft. Then push in the top of the film cassette until it locks with a click.

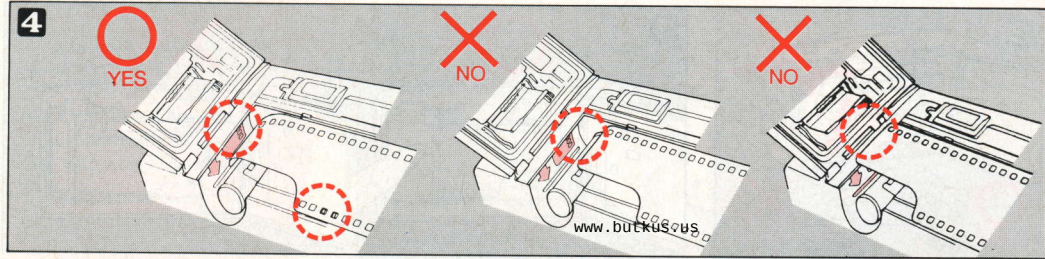
3 Place the film so that it lies flat.

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4 Pull the film leader to the red film positioning line.

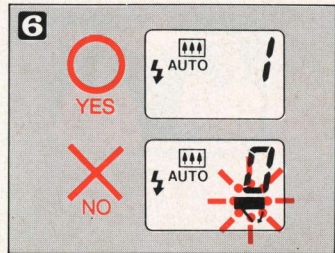
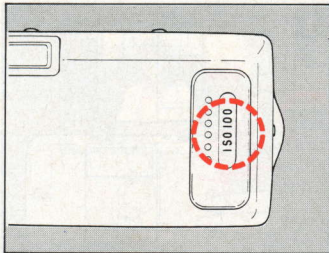
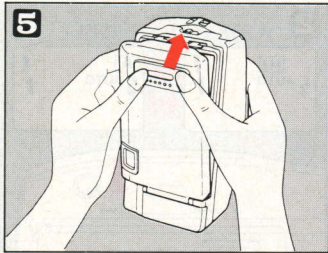
Note: Adjust the length of the film leader before loading, so that it matches the red film loading mark. Make sure the film leader tip is not bent and the film perforations are properly aligned and engaged as shown.



5 Close the camera back firmly with both hands.
(Make sure the camera back lock button snaps down.)
The film advances automatically.

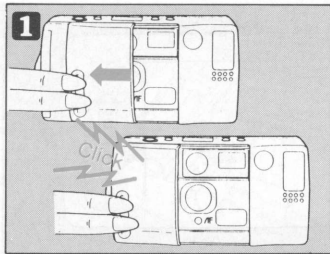
You can easily check the type of film.

6 Open the barrier and make sure the exposure counter shows "1". If the film is not loaded properly, the exposure counter will not show "1" and a display as shown in the illustration will appear in the LCD panel. In this case, reload the film correctly.

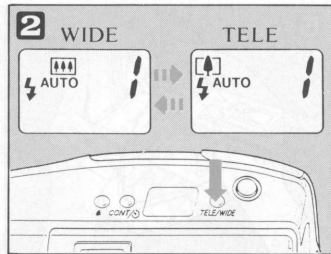


Taking pictures

1 Slide the lens barrier as far as it will go until you hear a click. (The shutter will not fire unless the lens barrier is fully open.) When the camera is not in use, always close this barrier so that the shutter is not activated inadvertently.

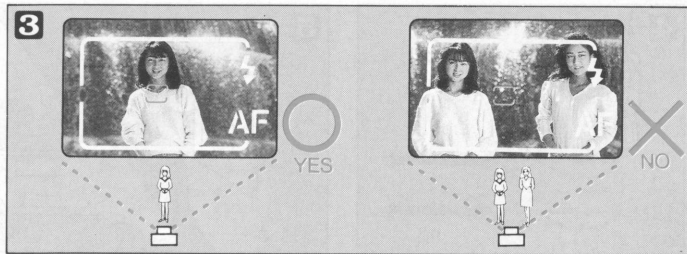


2 Choose “WIDE” (35mm wide-angle) or “TELE” (70mm telephoto). The lens is set to “WIDE” when the barrier is opened. Press the TELE/WIDE button once to select “TELE” mode. The camera will shift between “TELE” and “WIDE” whenever the button is pressed. The



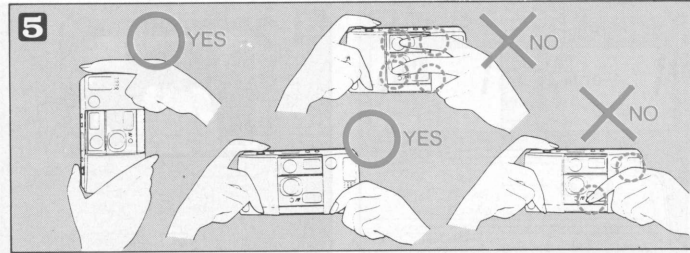
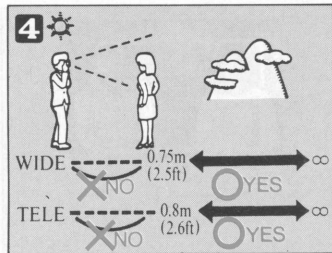
LCD panel shows  for “WIDE” or  for “TELE”. The lens will be automatically reset to “WIDE” if the lens barrier is closed or the camera back is opened.

3 Be careful to keep the subject within the autofocus frame. With the composition shown on the right, the background will be in focus as the autofocus frame does not cover the subject. In this case, use the Focus Lock to keep the subject in focus. (Refer to Page 17.)



- 4** Shooting range: **WIDE** : from 0.75m (2.5ft) to ∞ .
TELE : from 0.8m (2.6ft) to ∞ .

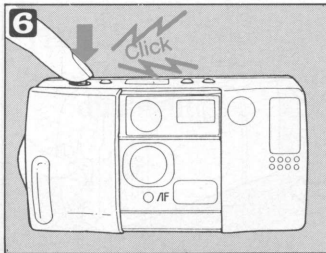
- 5** Hold the camera correctly. Keep your fingers and the strap away from the lens, viewfinder and flash.



6 Smoothly depress the shutter release button to minimize camera shake.

7 The film is automatically wound and the LCD exposure counter shows the next frame.

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Unloading the film

If you take more than the specified number of exposures in your roll of film, the last frame may be cut off or may not be printed completely in your laboratory.

When you reach the end of the film, the camera automatically starts to rewind the film. You will hear the motor whir and the exposure counter will count back.

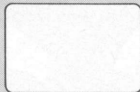
Open the camera back and remove the film after making sure the camera motor has stopped and the

“rewinding completed” indicator appears in the LCD panel.

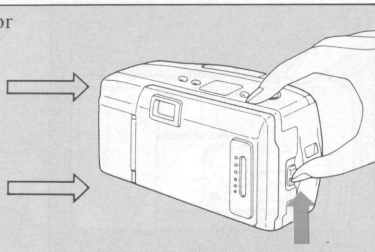
* Never open the camera back while the film is rewinding.

“Rewinding completed” indicator

When the barrier is closed



When the barrier is open



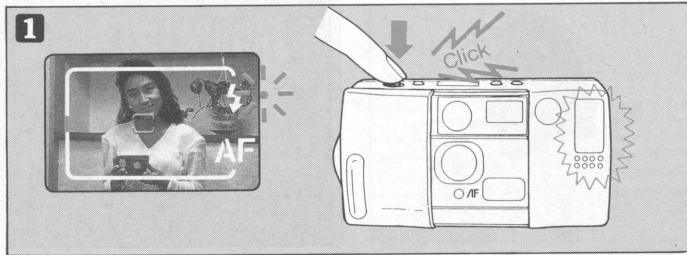
Automatic flash activation

(1) Taking pictures in dim light

1 When the shutter release is depressed halfway in low light situations, the flash indicator (orange) in the upper right hand side of the viewfinder will turn on to indicate the flash will fire when the shutter is fully depressed.

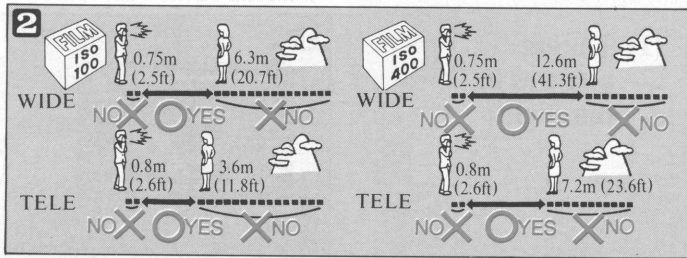
* If the lens barrier is left open for a

long time, the flash may not fire automatically when you take the pictures. Before shooting, close the barrier once and open it again.



* It takes about 2 seconds after winding the film to charge the flash (at normal temperatures). While the flash is being charged, the flash indicator (orange) may not light and the flash may not fire.

2 Flash working range. (If you are using negative color film, you will get excellent pictures in this shooting range because the color negative film offers the widest exposure latitude to compensate for over and underexposure.)



Automatic flash activation

(2) Taking backlit subjects

If you are taking backlit subjects, the flash indicator (orange) will turn on when the shutter release is depressed to tell you that the flash will fire automatically.

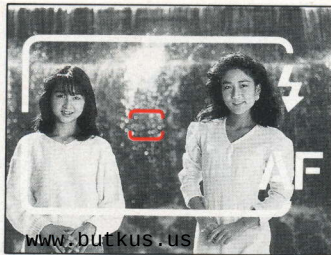
Make sure to place the main part of your subject in the small center Auto Focus brackets.



Advanced shooting techniques

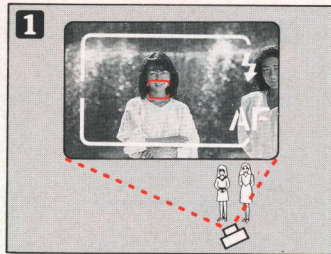
Focus lock

When the main subject is not in the autofocus frame, use the focus lock. Otherwise the camera will focus on the background and the subject will not be in focus.



1 For focus lock, first put the main part of the subject in the autofocus frame.

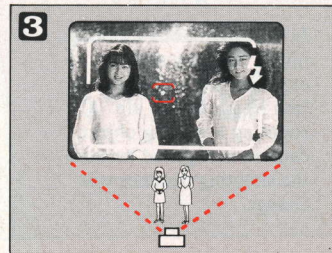
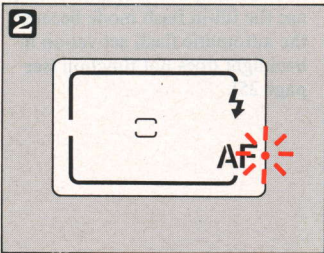
For example, the face of the person on the left should be completely within the autofocus frame.



2 Depress the shutter release about halfway and hold it there. The autofocus indicator (green) will turn on in the viewfinder. Caution is required because the shutter will fire if you depress the button all the way. If you remove your finger from the button while the green lamp is on,

the focus lock is cleared and you can repeat the procedure as many times as you want.

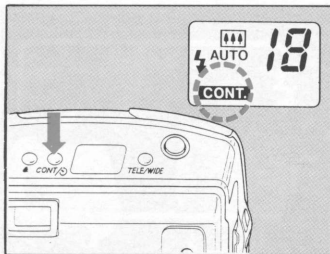
3 Recompose your picture and depress the shutter release all the way to take pictures.



Use of the continuous shooting mode

In the continuous shooting mode, focusing and exposure are locked on the first frame. If you are shooting a moving object, caution is required because the shooting distance will change.

Press the “CONT/  ” button once to show **CONT.** in the LCD panel. You can take up to four pictures in succession (approx. 1.0 frame/sec.) if you keep on pressing the shutter release.



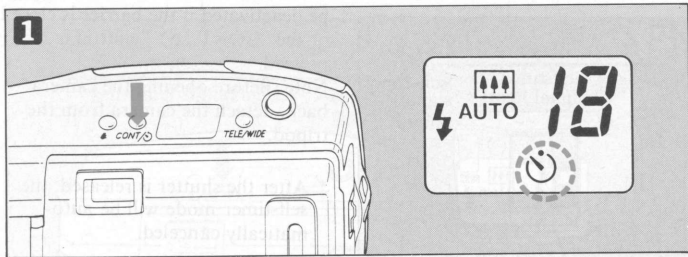
To reset the normal shooting mode, press the “CONT/  ” button three times.

- * The shooting interval will become longer if the flash is fired.
- * If you are taking sequence pictures in backlight, it is recommended to use the fill-in flash mode because the automatic flash activation in backlight does not function (see page 25).

Use of the self-timer

1 Press the “CONT/⌚” button until the mark “⌚” is indicated on the LCD panel.

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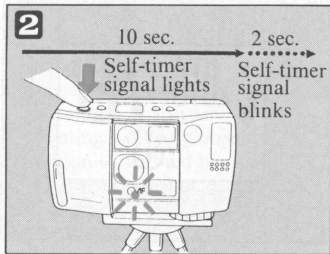


2 Start the self-timer by depressing the shutter release.

When the shutter release is depressed, the focus lock is activated and the shutter fires after about 12 seconds. The self-timer signal lights are on for 10 seconds after the shutter release is depressed, and blinks for the last 2 seconds before the shutter fires. The self-timer will be deactivated if the barrier is closed or the "CONT./☺" button is pressed.

Note: Before opening the camera back, detach the camera from the tripod.

* After the shutter is released, the self-timer mode will be automatically canceled.



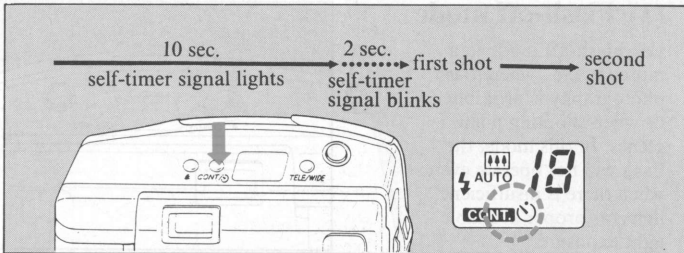
Using the self-timer double shooting mode

Press the "CONT/  " button to show the **CONT.** and "  " marks in the LCD panel.

Start the self-timer by depressing the shutter release.

Immediately after the shutter has fired the camera will take another shot.

www.butkus.us * After shooting, the camera will automatically return to the normal shooting mode.



Special flash shooting modes

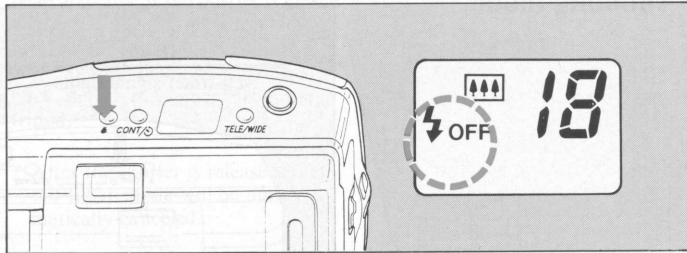
It is recommended to reset to the normal shooting mode after shooting in any of the special flash modes.

(1) Flash-off mode

Use Flash-off mode in a museum, etc., where flash photography is prohibited or when shooting night scenes. In this mode, the flash will not operate even when there is insufficient light for proper available light exposure.

Press the “⚡” button and make sure the “⚡ OFF” mark is on the LCD display, then shoot.

* The shutter speed may become too slow to handhold, and the camera may shake. Therefore, the use of a tripod or other firm support is recommended in dim light conditions.



To reset the normal shooting mode, press the “⚡” button twice.

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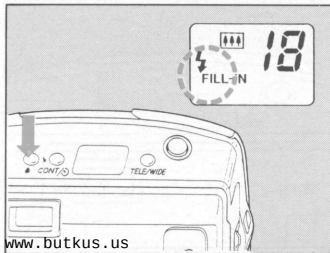


(2) Fill-in flash mode

Use this mode when you definitely want the flash to fire, as with backlighting from a window, etc. The flash will operate regardless of the brightness of the scene.

Press the “⚡” button and make sure the “⚡ FILL-IN” mark is on the LCD display, then shoot.

* The shutter speed may become too slow to handhold, and the camera may shake. Therefore, the use of a tripod or other firm support is recommended in dim light conditions.

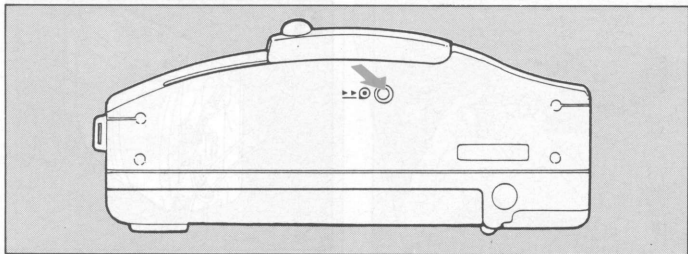


To reset the normal shooting mode, press the “⚡” button once more.

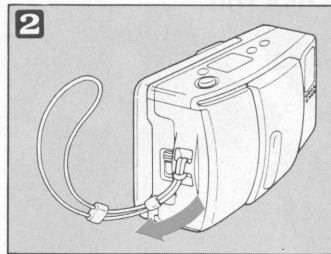
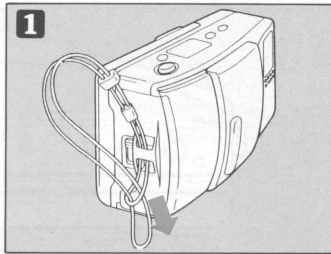


Unloading the film in the middle of a roll

Press the rewind button on the bottom of the camera with the tip of a ballpoint pen, etc. The film will be rewound automatically. When the motor stops running, open the camera back and take out the cartridge. (Refer to Page 13.) Be careful not to press the rewind



Attaching the strap

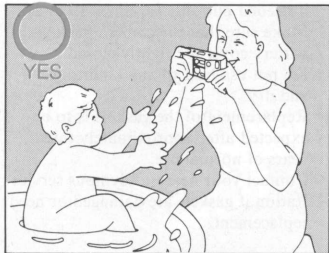


Care for the weatherproof camera

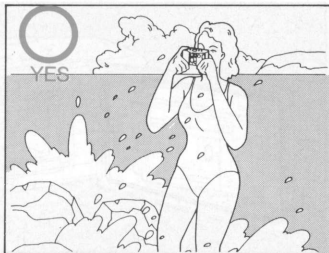
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This camera is a weatherproof camera but is not designed for underwater use. Please note the following warning and use it correctly.

Splashing water



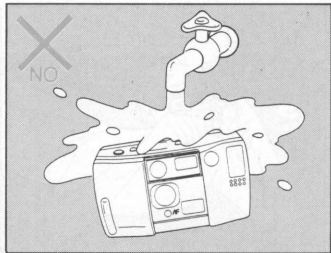
Seaside



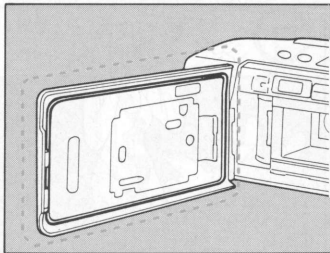
Submergence and underwater shooting impossible



Do not wash with running water



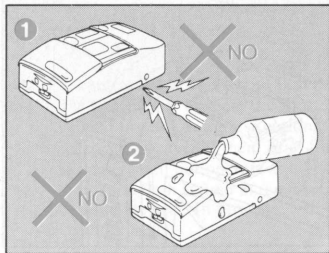
Rubber gaskets are placed inside the camera back. Check the gaskets for wear and tear and carefully remove any sand and dust from gaskets to keep them weatherproof.



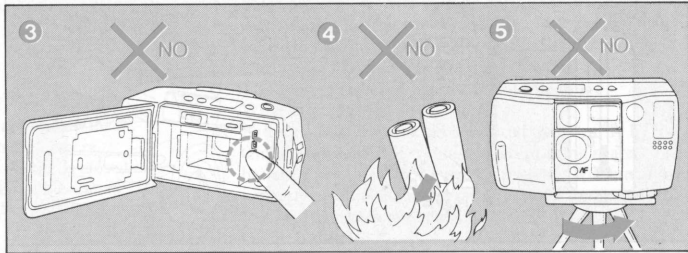
- If the camera has been splashed by seawater, sand, mud, beverage, etc., clean the camera with soft wet cloth and then wipe with soft dry cloth.
- It is possible to clean this weatherproof camera in a shallow bowl of fresh water if needed but only for a few seconds. Make sure that the camera back and battery cover are tightly closed.
- Do not use heat of any kind to wash and dry.
- Replacement of the gaskets is to be expected after approximately three years of normal use.
- Contact your nearest Olympus service station if gaskets are damaged or need replacement.

Care and storage www.butkus.us

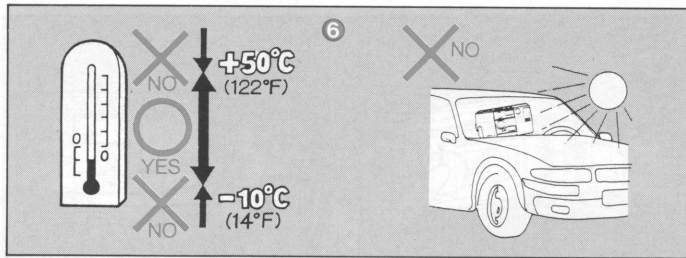
❶ Do not try to disassemble the camera yourself. **❷** Do not use thinner, benzine or organic solvents to clean the camera.



❸ Do not touch the DX read-off contacts. **❹** Do not put the used battery into a fire and do not heat, disassemble or try short it out.

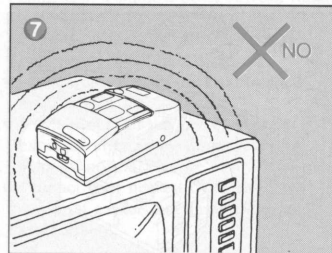


⑥ Do not put the camera in extreme heat (over 50°C or 122°F) like inside a car during hot summer weather or in extreme cold (below -10°C or 14°F).



⑦ Do not leave the camera near magnetic fields, like on the top of a TV set, or radio.

In case of malfunction, take the camera to your nearest Olympus dealer or repair center.



Questions and answers

Q: The camera does not operate. What shall I do?

A: (1) Close the barrier once then open it again and shoot.
(2) Make sure there are batteries in the camera and that the batteries are not exhausted. (see page 4 "Checking the Batteries".) (3) If the film has been rewound, the camera won't work until a new film is inserted.

Q: The camera operates without film in it.

A: If the lens barrier is open, the shutter will fire (and the flash will fire in low light situations) by depressing the shutter release, even if there is no film in the camera. The camera will not operate at all if the barrier is closed.
Note: If the flash is fired in rapid succession, the camera may generate heat. In this case, wait a bit to let it cool then shoot again.

Q: The flash does not fire. www.butkus.us

A: (1) Check to see if the flash mode is not set to OFF ("OFF" on LCD panel). (2) If you take flash pictures in succession with weak batteries, the flash will take a longer time to recharge itself and may sometimes fail to fire. Also, it may not fire when you take pictures after the barrier is left open for a long time. Close the barrier once and open it again, then shoot.

Q: How long will the batteries last?

A: Since lithium batteries with an extra long service life are used, approximately 30 rolls of film (24-exposure; 50% of which use flash) can be shot. If the flash is used less frequently, batteries will last much longer.

Q: The camera does not operate in cold weather. What can I do?

A: Battery performance will be reduced temporarily by low temperatures, so it is recommended to bring spare batteries with you. However, the batteries will function properly again if the temperature returns to normal. In cold weather keep the camera inside your coat until ready to shoot.

Q: The camera back won't open.

A: The camera back may sometimes not open smoothly under the influence of atmospheric pressure. In this case, open it gently with your hand while pushing up the camera back lock.

Q: When the back is opened, the film is wrapped around the take-up spool and cannot be removed.

A: When the battery is too weak or the temperature too low, there may sometimes be difficulty in removing the film from the take-up spool. Remove the film cartridge and lift up the film protruding from it. Press down on the take-up spool from above, move the film towards the direction of wind-up, and pull the film out of the camera.

Q: Pictures are not sharp. Is something wrong?

A: In the following cases, the camera's autofocus mechanism may not function properly. Use the focus lock mechanism when taking the following pictures.
(1) Objects that reflect too much light (2) Black objects
(3) Pictures taken through a glass window or wire mesh
(4) Pictures including flames or smoke (5) When the sun is included in the picture.

Q: Where can I buy a new lithium battery?

A: At your local camera dealers or nearest Olympus repair center.

Q: The lens, auto-focus windows and rubber gaskets on the camera back and battery compartment cover are soiled.

A: Remove dust with a blower brush. To remove soil, wipe with a soft, clean cotton cloth moistened with a small amount of lens cleaning fluid. If the lens and rubber gaskets inside the camera body are soiled, simply blow off dust with a blower brush. If this does not clean it properly, bring it to your nearest service center.

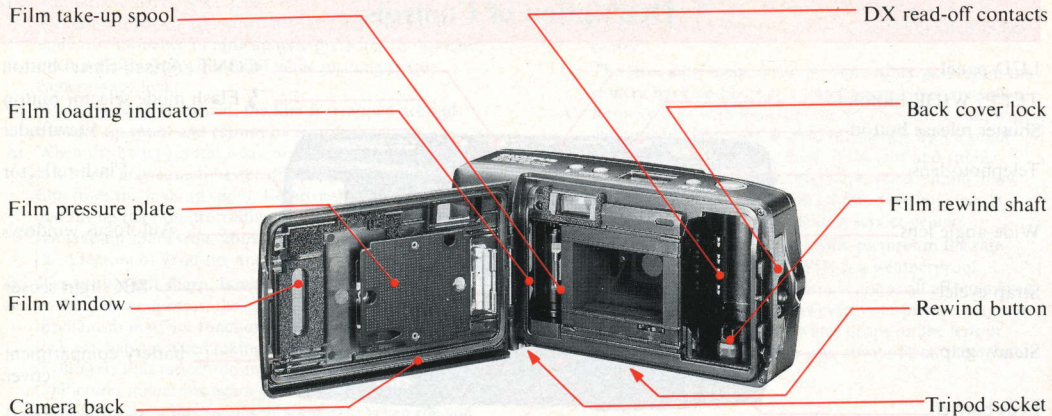
Q: The camera is wet because I took pictures in the rain.

A: As the Olympus Infinity TWIN is a weatherproof camera, its internal mechanism is not at all affected even if it gets wet in the rain. However, your picture may not turn out sharp if there are water drops on the lens or autofocus windows. Before use, always clean them with a dry cloth.

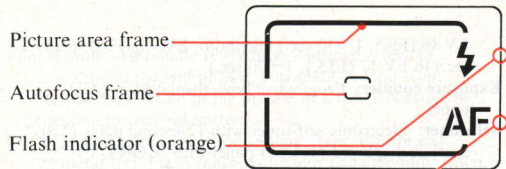
Description of Controls

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Viewfinder display



Picture area frame

Autofocus frame

Flash indicator (orange)

AF indicator (green)

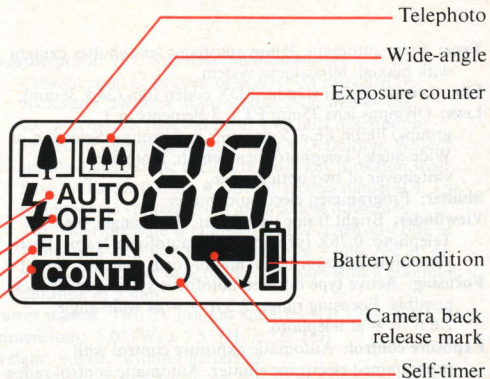
Auto flash

Flash-off

Fill-in flash

Continuous shooting

LCD panel



Telephoto

Wide-angle

Exposure counter

Battery condition

Camera back
release mark

Self-timer

Main specifications

Type: Fully automatic 35mm autofocus lens-shutter camera with biaxial, bifocal lens system.

Film format: 35mm standard DX coded film (24 x 36mm).

Lens: Olympus lens 35mm F3.5, 3 elements in 3 groups/70mm F6.3, 5 elements in 5 groups. Selection of Wide-angle/Telephoto focal length: motorized switchover of two optical axes.

Shutter: Programmed electronic shutter.

Viewfinder: Bright frame viewfinder. Wide-angle: 0.43X, Telephoto: 0.76X (provided with autofocus frame, flash activation indicator lamp, and in-focus indicator lamp).

Focusing: Active type infrared autofocus system, focus lock possible. Focusing range: 2.5 ft — ∞ at wide-angle, 2.6 ft — ∞ at telephoto.

Exposure control: Automatic exposure control with programmed electronic shutter. Automatic control range with ISO 100 film: wide-angle: EV 7.7 (F3.5, 1/15 sec.) to

EV 16 (F9.5, 1/730 sec.) telephoto: EV 9.6 (F6.3, 1/15 sec.) to EV 17 (F15.1, 1/570 sec.)

Exposure counter: Progressive type, displayed in LCD panel.

Self-timer: Electronic self-timer with 12-second delay ("⊙" mark is displayed on LCD panel with "CONT/⊙" button, and self-timer is started with shutter release button. Red LED turns on). Continuous shooting (2 shots) possible with self-timer.

Film speed range: Automatic setting with DX-coded film. (ISO 50 — 3200) Actual setting at ISO 50, 100, 200, 400, 800, 1600, 3200.

Film loading: Automatic loading, film automatically advances to first frame when camera back is closed.

Film advance: Automatic film winding, continuous shooting of up to 4 frames possible. (approx. 1.0 frame per seconds)

Film rewind: Automatic rewinding. Automatic rewind actuation at the end of film, automatic rewind stop. Rewinding the film in the middle of a roll is possible by pressing the rewind button.

Flash: Built-in, recycling time approx. 2 sec. (at normal temperature). Flash range with color negative film: when using ISO 100 film: 2.5 — 20.7 (13.1) ft at wide-angle, 2.6 — 11.8 (7.2) ft at telephoto. When using ISO 400 film: 2.5 — 41.3 (26.2) ft at wide-angle, 2.6 — 23.6 (14.4) ft at telephoto.

* Data in parenthesis for continuous shooting.

Flash modes: AUTO (flash automatically fires in low light and backlight), OFF (activation stop), and FILL-IN (forced activation, slow-synchro possible with longest shutter speed of 1/15 sec.).

Battery check: Indicated on LCD panel.

Lens barrier: Sliding type (with release lock).

Weatherproof: IEC Standard publication 529

Classification of degrees of protection provided by enclosures. Degrees of protection indicated by the second characteristic numeral 4 • Short description: Protected against splashing water • Definition: Water splashed against the enclosure from any direction shall have no harmful effect • Test for second numeral 4; The equipment is sprayed from all practical directions. The water pressure is adjusted to give a delivery rate of 10 lit./min. The test duration shall be 1 min. per m² of calculated surface area of the enclosure with a minimum duration of 5 min.

Power source: Two 3V lithium batteries (DL123A/CR123A)

Dimensions: 5.0" (W) x 2.5" (H) x 2.0" (D)

Weight: 9.0 oz. (without batteries).

* Specifications and design are subject to change without notice.