







**YASHICA**

# **INSTRUCTION MANUAL**

**KYOCERA YASHICA T ZOOM  
KYOCERA YASHICA T4 ZOOM**

 <b>Instruction Manual</b>	<b>ENGLISH</b>
 <b>Bedienungsanleitung</b>	<b>DEUTSCH</b>
 <b>Manual de instrucciones</b>	<b>FRANÇAIS</b>
 <b>Mode d'emploi</b>	<b>ESPAÑOL</b>

D09EK904A1

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Thank you for purchasing this camera.  
To use your camera correctly,  
please read this manual carefully  
before using it.


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# 1 Introduction

## 1-1 Precautions

 <b>WARNING</b>	The symbol indicates the possibility of fatal accidents and/or serious injury if the product is not used properly.
--	--

 <b>CAUTION</b>	The symbol indicates the possible risk of personal injury to the product's user and/or others, and the possible occurrence of physical damage if the product is not used properly.
--	--

### < Camera Care >

- This camera is not designed to be waterproof, and cannot be used in the rain or underwater. If the camera should inadvertently be exposed to water, it should be taken quickly to our service center for inspection.
- Fingerprints and dirt on the lens and other areas can affect the accuracy of the camera. If the camera is soiled, wipe gently. Clean lens surfaces with a soft lens-cleaning tissue moistened with lens-cleaning solution. Remove dust with a blow brush.
- Use a soft cloth to clean the camera body. Never use organic solvents such as thinner or benzene.

- Do NOT use excessive force on the lens barrel. The camera might be damaged.
- If the camera has been dropped, take it to our service center. There might be damage which is not visible.

 **WARNING**

- If any defect is found with the unit while using it (e.g. camera body becomes extremely hot, there is smoke or smell of the burning, etc.), immediately stop using it, switch off the power, and remove the batteries. They may cause a fire hazard or burn. (Be careful not to get burned when removing batteries.)
- Do NOT use the unit in a very humid environment, or places where it may get wet. Do NOT operate it with wet hands. The unit may be damaged by corrosion, fire, smoke, overheating, short circuit, or electric shock. (Special caution is required when operating in rain, with snow on the ground, at the beach, and near water.)
- Do NOT use the unit in an environment in which there may be inflammable gas.
- Do NOT disassemble, modify, or reassemble the unit. It may cause electric shocks due to the high voltage.
- A high-voltage circuit is built into the product; therefore, NEVER touch the internal parts of the unit when it is damaged due to dropping, etc. There is a risk of causing electric shock (unit with a built-in flash).

 **WARNING**

- When taking pictures with flash, do NOT use the flash close to people's eyes (specially at infant's eyes). Emitting the flash close to eyes may carry a risk of visual problem.
- Do NOT look at the sun or other strong light sources directly through the viewfinder. There is a risk of eye damage.
- Do NOT take pictures whilst in motion. Taking pictures while moving, especially looking into the viewfinder while moving, may result in an accident.
- Be sure to pay attention to your surroundings as well, instead of only looking at your subject, while taking pictures.
- Keep the product out of the reach of children. Be sure to pay careful attention, and do NOT leave the unit carelessly while using it around infants and children. Infants and children do not understand safety warnings and precautions. Moreover, there are risks of accidents, listed as follows:
  - Getting injured by dropping or knocking off the unit.
  - Getting choked by accidentally tying the strap around the neck.
  - Getting their fingers caught in as the motor turns.
  - Getting fingers caught in the film guide as the lens retracts.

**⚠ CAUTION**

- Clean the unit well when using it at the beach or other dusty environment. Ocean air may corrode metal, causing short circuits, and may result in smoke or fire. In addition, dust causes malfunctions of the internal mechanisms.
- The lens may get fogged up when suddenly brought into a warm room from a cold environment. This will clear in a short while. However, if such incidents occur repeatedly, moisture may be left inside the body or the lens. Condensation may cause a short circuit, and may result in smoke or fire. Avoid sudden changes of temperature as much as possible.
- Do NOT leave the unit exposed to direct sunlight. It may cause damage and/or fire. Keep the lens cap on and avoid direct sunlight when storing the unit.
- The camera is delicate electronic device. Avoid dropping or impacting shocks, which may cause smoke, fire, or damage to its structure due to short circuiting of the unit.
- Make sure to test-shoot and/or double-check the operational functions prior to important events, such as weddings or overseas travelling. Take some extra batteries along with you, too.

< Storage of the Camera >

- Do NOT leave the camera and film for a long time in a hot place (on a beach in summer, in a closed car under direct sunlight, etc.) as the camera, film and battery may be adversely affected.

- If you are unlikely to use the camera for long period, remove the batteries to prevent damage due to battery leakage.

**⚠ CAUTION**

- Store the unit in a well ventilated place. Avoid humid or dusty environments or places with chemicals (e.g. laboratory or drawer with moth repellents). The circuit break down or short circuiting may occur, resulting in smoke or fire.

< If the camera fails to operate >

The camera may fail to operate if exposed to very strong electromagnetic waves or static electricity. In such cases, remove the batteries and reinsert them again to reset the camera's circuits. Be sure to reset time and date and any recording data.

< Precautions for Handling Batteries >

- Battery performance will be reduced temporarily in low temperatures. If you are shooting in cold weather, keep the camera warm inside your jacket and take it out only when needed.  
Battery performance reduced by cold temperature will return to normal under normal temperature conditions.
- Poor contact may result if battery poles are soiled with sweat or grease. Wipe both poles clean before loading the battery.



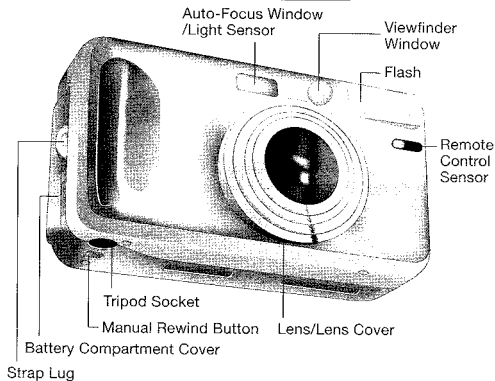
 **WARNING**

- NEVER DO what is listed below: damaging the batteries will cause personal injury, fire, or damage to surroundings.
- ① Do NOT use batteries other than the ones specified to this unit.
- ② Do NOT insert the battery with incorrect matching of the polarities (+ and -).
- ③ Never throw the battery into fire, or recharge short disassemble, or heat up the battery.
- ④ The 3V lithium (CR123A/DL123A) battery can not be recharged.
- When disposing of the battery, stick a tape or something on the terminals for insulation purpose. Contacting with metals after disposing of the battery may cause explosion or fire.
- Keep the battery out of the reach of children. In case a child swallows a battery, consult a doctor immediately: a broken battery may leak its fluid and harm the stomach and intestines.

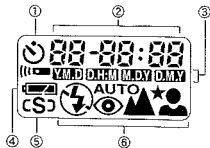
 **CAUTION**

- Do not touch the battery with an electric conductive object (e.g. metallic tweezers). It will not only wear the battery out quicker but it is also dangerous, causing a short circuit.

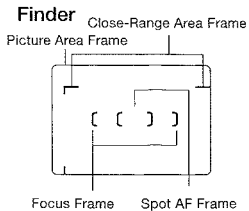
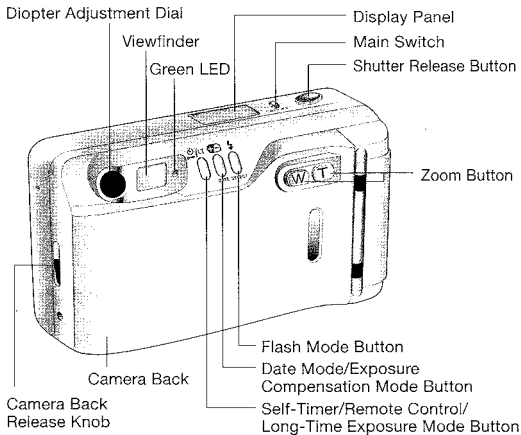
## 1-2 Names of Parts



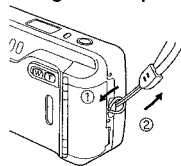
## Display Panel



- ① Self-Timer/Remote-Control Mark
  - ② Date/Film Counter/Long-Time Exposure Mode/Exposure Compensation Mode
  - ③ Date Mark
  - ④ Battery Warning Mark
  - ⑤ Spot AF Mark
  - ⑥ Flash Mode Mark
- Auto-Flash Mode " ⚡ AUTO "
- Red-Eye Reduction Mode " ⚡ AUTO "
- Flash-Off Mode " ⚡ "
- Night Portrait Mode " ⚡ AUTO +2 "
- Fill-In Flash Mode " ⚡ "
- Landscape Mode " ⚡ ▲ "



### Attaching the Strap



## 1-3 Photography Concepts

### Regarding the Film

Film speed is the sensitivity of film to light, designated as ISO 100 or 400, etc. A larger ISO value indicates the higher sensitivity, and such films can be used in poor ambient lighting conditions, while the photos of such films have coarser grain and therefore poorer image quality.

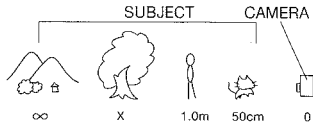
For flash photography, use ISO 400 film which increases the possible distance for flash photography.

### Possible Distances for Photography

The possible distance for photography is the range distance from the subject at which the shot can be focused. (strictly speaking, the distance between the subject and the film plane.) The possible distance for photography of this camera is from 50 cm to  $\infty$  (infinity), but the following shooting situations may limit the shooting range.

#### <Close-up Photography>

When the distance from the camera to the subject is shorter than 1.0 m, this is called close-up photography. The camera can shoot as close as 50 cm at wide-angle, and 50 cm at telephoto. With this type of camera, there is a difference (parallax) between what you see in the viewfinder and the actual picture when taking close-up photography. In order to avoid this, compose the subject within the close-range area frame. (See Page 18 for the details on the close-up photography.)



<Flash Photography>

There is a distance limit when using the flash.

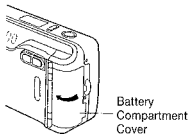
This distance varies depending on film ISO and zooming.

Film Speed	Wide-Angle	Telephoto
ISO100	0.5m-3.5m	0.5m-2.3m
ISO400	0.5m-6.9m	0.5m-4.6m

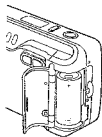
## 2 Basic Operations

### 2-1 Loading the Battery

- ① Open the battery compartment cover with a coin or the like.




- ② Insert a new battery (CR123A or DL123A) as shown, and close the cover firmly.








<Battery Remaining Indication>

 : Battery is full.

 : Replace battery as soon as possible.

 : Battery is empty.

- Although photographing may be possible even while "" is blinking, replace the battery at the earliest opportunity. If the battery voltage drops below the operational limit, "" will start blinking on the Display Panel, and the camera will not operate.
- With a certain type of battery, the voltage may temporarily drop and the "" mark may blink for a while after you install the battery in the camera.

If the "" mark blinks immediately after installing a new battery, once set the main switch to OFF and return it to ON again. You can start use of the camera when the "" mark lights.

 **Key Point**

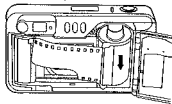
- Reset the date and time after loading a new battery.

## 2-2 Loading the Film

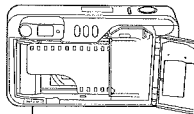
- ① Open the Camera Back by pushing down on the Camera Back Release Knob.
- Please avoid changing the film in bright light.



- ② Insert the film cassette at an angle, bottom end first.



- ③ Pull the tip of the film up to the "I←FILM" mark and place it on the top of the spool. Be careful at this time that the film does not float up from the spool.

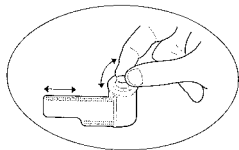


"I←FILM" mark

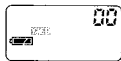



### Key Point

- If the film leader is too long, rewind the film as illustrated.



- ④ Close the Camera Back securely. As soon as the Camera Back is closed, the film will automatically advance and stop when the Exposure Counter shows "01".

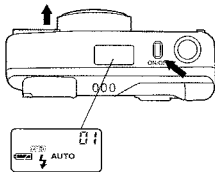


 Key Point

- Blinking of "00" on the Exposure Counter indicates that the film has not been correctly loaded. Open the Camera Back again and reload the film.

## 2-3 Pressing the Main Switch to Turn the Camera Power "ON"

When you press the main switch, the camera power comes "ON" and it is now ready to take pictures.



- When you press the main switch again, the lens retracts, the lens barrier closes, and the camera power goes off.
- Make it a rule to switch off the power when you will not use the camera soon. This prevents accidental shutter release.

<Automatic power-off>

To conserve battery power, if the camera is left unused for about 2 minutes with the power on, the lens retracts, the lens barrier closes, and the camera power goes off.

## 2-4 Holding the Camera

Basically, hold the camera with both hands. Find the camera holding techniques that suit you best, referring to the following illustration.



Vertical Position



Horizontal Position

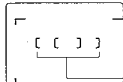
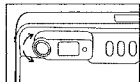
Gently depress the shutter release

Do NOT cover the lens or flash with your fingers

Keep your elbows tucked in to steady the camera

## 2-5 Diopter Adjustment

Turn the diopter adjustment dial until the focus frame in the viewfinder becomes clear.

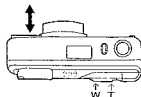


Focus Frame

## 2-6 Composing Your Picture

While watching your subject through the viewfinder, compose your picture by pressing the Zoom button either on the side "W" (wide angle) or "T" (telephoto).

- The shutter will not trip while the lens is zooming.





## 2-7 Pressing the Shutter Release Button

The shutter release button has two positions.

- ① Aim the focus frame at the subject and press the shutter release button halfway. This is called "Half release".



Half release

- ② After confirming that the green LED is lit, press the shutter release button completely down.



The Shutter is fully depressed

WIDE

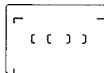


TELE



<Green LED >

Lit	It is in focus. (the shutter can trip.)
Blinking	It is out of focus. /Flash is charging. (the shutter may not trip.) ➡ see page 32.



Green LED

### AF assist flash

When the subject is dimly illuminated or its contrast is low, the flash may partially fire prior to the shutter closing for auto focus in low light conditions. Do not mistake this for the flash when the shutter will actually be released.

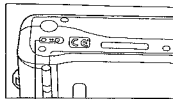
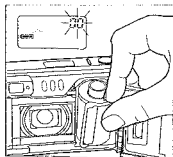
## 2-8 Removing the Film

As soon as the last frame is exposed, the camera will automatically start to wind the film back into the cassette. While it is rewinding, the Exposure Counter counts down. Upon winding it back completely, it will stop, and the Exposure Counter will show "00", and start blinking. After making sure the Exposure Counter is blinking at "00", open the Camera Back and take out the film.

- While the film is rewinding, other camera features do not function.
- If you obtain more exposures than stated on the film pack, the last exposure may be cut in the process of developing.

<To rewind the film partway through a roll>

If you wish to remove a film cassette partway through an exposed roll, press the button shown in the illustration.



Manual Rewind Button

## 3 Photography Tips

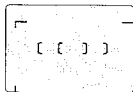
### 3-1 Using Focus Lock

When you take a snapshot, in most cases the subject on which you want to focus might be in the center of the shot. With Focus Lock, you can take photographs with the subjects not centered.

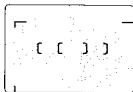
When you take a photograph like this.



- ① Aim the focus frame at the subject and press the shutter release button halfway. The camera lens will focus on the subject and lighting the Green LED. This is called "Focus Lock."



- ② Move the camera to recompose the picture without lifting your finger off the halfway position, then take the picture by pressing the shutter release button all the way.

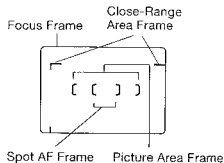


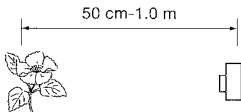
 **Key Point**

- The camera features a multi-auto focus. Even if the subject is not centered, as long as it is in the focus frame, it will be in focus.

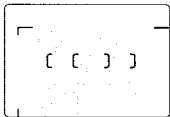
## 3-2 Close-Up Photography

When the distance between the subject and camera is less than 1.0 m, this is 'Close-Up Photography'. (You can shoot as close as 50 cm in wide angle.) When you look at the viewfinder, you can see the 'Close-Range Area Frame'. Use this frame to compose your picture.

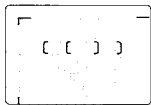




- ① Look at the viewfinder and compose the picture in the picture area frame. Then press the shutter release button half-way down to lock the focus.



- ② Move the camera slightly left-upper in order to shift the composition which has been set ① to the Close-Range Area Frame. Then press the shutter release button all the way.



### 3-3 Using Tripod

When you shoot an evening or night scene making use of natural light without flash, or shoot indoor picture making use of natural light, the shutter speed will slow down. Use a tripod in such cases in order to prevent camera shake.

< **Tripod** Mark >

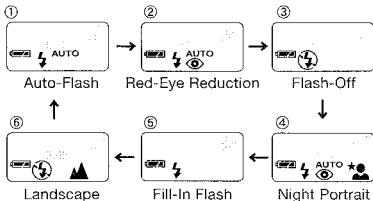
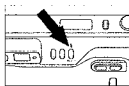
If a tripod is necessary in any explanation in this instruction manual, "**Tripod**" mark is printed in the manual.

## 4 Useful Features

Take a picture using various built-in features.

### 4-1 Flash Modes

Each time "0" is pressed, the flash mode changes (see illustration). Set your desired mode and shoot.



#### ▶ Auto-Flash Mode ..... ⚡ AUTO


When the camera power is turned on, the camera is set to this mode. In dim light, the flash automatically fires to take pictures.

#### ▶ Red-Eye Reduction Auto-Flash Mode ..... ⚡ EYE AUTO

If a person or pet is photographed in dim light using a flash, the pupils of the eyes may turn out red in the picture (red-eye effect.) This mode is useful for reducing the red-eye effect.

- ① Press "0", and displays "⚡ AUTO EYE".
- ② Press the shutter release button.





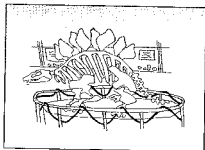
 Key Point

- In this mode, the flash fires twice. The shutter trips after the second flash. Please do not move the camera before the second flash fires and make sure that your subjects are not moved either.
- The conditions where the flash will go off are the same as the auto flash mode.






▶ **Flash-Off Mode**  ..... 

If you want to take pictures without flash such as twilight scenes or indoor sites such as museums, set the camera to this mode.


- ① Press "" and displays " AUTO".
  - ② Press the shutter release button.
- Shutter speed will be slower in low light conditions. Use a tripod to prevent camera shake.



▶ **Night Portrait Mode**

 .....    

Use this mode for shooting outdoors in the evening, or a night scene if you want to have both the subject and the background beautifully exposed.


- ① Press "" to set to night portrait mode.
- ② Press the shutter release button.




- Shutter speed will be slower in low light conditions. Use a tripod to prevent camera shake.

► **Fill-In Flash Mode** ..... ⚡


This mode gives a better balanced lighting of the person as well as the background in outdoor photography, portrait pictures with shadows on the subjects, in bright sunlight or backlight, or indoor photography with bright, fluorescent light.

- ① Press “” and displays “⚡”.
- ② Press the shutter release button.



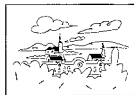
► **Landscape Mode** **Tripod** ..... 

Use this mode when you shoot far away landscape with sharper image.

- ① Press “” and displays the landscape mode.
  - ② Press the shutter release button.
- In this mode, the flash will not fire.

 **Key Point**



- In this mode, the lens is focused at infinity regardless of the proximity of any foreground subjects.

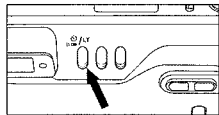


## 4-2 Self-Timer/Remote-Control Photography

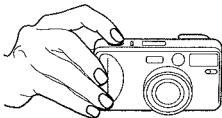
Use this mode if you want to include yourself in the picture.


### ► Self-timer Photography

- ① Press the “” button. “” is displayed on the display panel.
  - ② Aim at your subject, and press the shutter release button. The shutter will be released after a 10-second delay.
- Use a tripod to hold the camera securely.



Self-Timer/Remote Control/  
Long-Time Exposure mode button





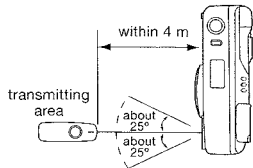
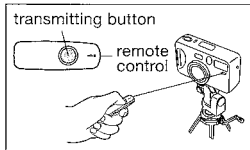
- The focus will be locked upon start of the self-timer, then exposure will be locked 2 seconds before shutter release.
- To cancel the self-timer after it has been activated, press the “” button again.
- After the shutter is released in Self-Timer mode, the camera will automatically revert to normal photography mode and turn off the Self-Timer mode.
- Note that when it is impossible for the autofocus mechanism to operate in spite of the auto-focus assisting flash function, the self-timer indicator will not blink, and exposure will not take place.



## ► Remote-Control Photography

If the Remote Control is not included with your camera, you'll have to buy it separately.

- ① Press the " " button. " " is displayed on the display panel.
- ② Compose the image and press the transmitting button on the remote control. The lens will focus and the self-timer indicator on the front of the camera will blink. The shutter will be released 2 seconds later.



- If the remote control is not operated for about 5 minutes, the camera power goes off.
- In rare cases of strong backlighting or under fluorescent lighting, the remote control function may not operate.
- In order to prevent problems with subsequent pictures, turn off the Remote-Control/Self-Timer/Long-Time Exposure Mode button after you are finished with it.

## 4-3 Long-Time Exposure Mode

Use this mode for fireworks, stars, or night views. Exposure for 2 minutes at maximum is possible.

- ① Secure the camera on a tripod, and press the " $\frac{0}{L/T}$ " button twice.
- ② When the Lt mark appears on the Display Panel, indicating that you may shoot, press the Shutter Release button.  
The self-timer lamp blinks, and the shutter will open after 2 seconds.




- ③ To finish the time-exposure shot, press the Shutter Release button again.  
The Lt mark on the Display Panel disappears, and the shutter closes.
- You may use the Remote Control for this mode.
  - You cannot set Long-Time mode using the Date Mode/Exposure Compensation mode button.
  - To cancel Time Exposure mode before shooting, press the Self-Timer/Remote Control/Long-Time Exposure Mode button again.
  - If the main switch is set to OFF, Long-Time Exposure mode is cancelled.
  - If the Shutter Release button is not pressed within 2 minutes after the shutter has been opened, the shutter will automatically close.

## 4-4 Exposure Compensation Mode

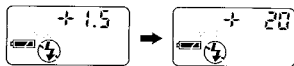
When a bright background occupies a large portion of a shot, such as when photographing a person against a light source, bright sky or sea, or a person in front of a window, you can prevent the subject from becoming dark and silhouetted against the bright background by setting exposure compensation to a positive value.

When a dark background occupies a large portion of a shot, such as when photographing a person under a spotlight, you can prevent the subject from becoming overexposed by setting the exposure compensation to a negative value.


- ① Press the “” button.

The exposure compensation value (+1.5) appears at the Exposure Counter position on the Display Panel.

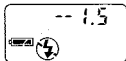
- The indication will return to the Exposure Counter value in 2 seconds, but the plus sign will remain to indicate that the camera is in Exposure-Compensation mode.



- You can check the exposure compensation value by lightly pressing the shutter release button.

- ② To select negative exposure compensation, press the "" again.


The exposure compensation value (-1.5) appears at the Exposure Counter position on the Display Panel.



- The indication will return to the Exposure Counter value in 2 seconds, but the minus sign will remain to indicate that the camera is in Exposure Compensation mode.

- ③ With + or - displayed, press the shutter release button.

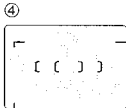
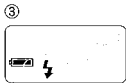
The shot will be made in Exposure Compensation mode.

- You may use the Remote Control for this mode.
- Set the main switch to ON before setting Exposure Compensation mode.
- In Exposure Compensation mode, Auto-Flash mode is automatically set to Flash-Off mode, so the flash will not fire.
- To cancel Exposure Compensation mode before shooting, press the "".
- Exposure Compensation mode is cancelled after a shot.

## 4-5 Spot AF Mode

Spot AF mode is useful when you want to specifically focus on a portion of your subject. Simply center the Spot AF frame on the subject and press the shutter release button.

- ① Turn the camera off
  - ② Press the main switch until "CS" is displayed on the display panel (about 2 seconds).
  - ③ The camera turns on, and the focus mode changes to Spot AF.
  - ④ Simply center the subject in the Spot AF frame and press the shutter release button halfway down.
  - ⑤ After the green LED lights, press the shutter release button completely down.
- Spot AF will be turned off automatically when the camera is turned off.



### <Subjects Especially Liable to Focusing Errors>


The camera's automatic focus mechanism may focus incorrectly, or fail to focus at all, on the following kinds of subjects. In such cases, use the focus lock function to lock the focus on another object that is located at the same distance from the camera as the desired subject, then move the camera to compose the subject as desired and make the photograph.

- Subjects with low light or low contrast.
- Subjects composed of repetitive patterns.
- Dark subjects.
- Subjects composed of horizontal lines.
- Extremely bright or reflective subjects.
- Subjects in which a strong light source is located in or near by the focus frame, or when the sun or other strong light source is in the picture frame.
- Compositions where two objects located at extremely different distances are both inside the focus frame.
- Subjects moving at high speed.


## 5 Imprinting the Date and Time

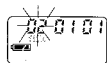
### 5-1 Setting the Date and Time

Set the Date Mode with the main switch off.

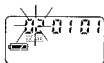
① Press “” and shows “Year/Month/Day”.




② Press “” and the number which you wish to set blinks.

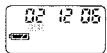



③ Press the Zoom Button to set the number.




④ Repeat the operation of ② and ③ and set all numbers.

- ⑤ When you have finished setting the date, press “” again to finish.



- ⑥ Press “” and shows ‘Day/Hour/Minute’.




- ⑦ Press “” and the number which you want to set blinks.

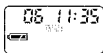


- ⑧ Press the Zoom button to set the number.



- ⑨ Set the number of “Minute” by operation of ⑦ and ⑧.

- ⑩ Press “” to finish the time setting.

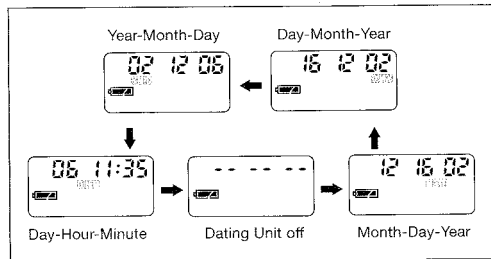


- The blinking will stop, and the LCD display will return to normal after 8 seconds.
- If you obtain more exposures than stated on the film pack, the last exposure may not contain a complete image.

## 5-2 Changing the Format of the Date

You can print the date or time on your photographs. Set the date mode while the main switch is off.

- ① Each time the Date Mode button is pressed, the date mode changes as illustrated. Set the desired mode.
- ② Turn the main switch on, and press the shutter release button to take pictures.



- Date or Time is displayed for 8 seconds when the Date Mode button is pressed while the main switch is off.



## 6

## Troubleshooting

Symptom	Cause	Action	Page
The shutter can not be released.	The camera power is off.	Turn the camera power on.	14
	The battery warning is blinking.	Replace with fresh battery.	12
	The battery is incorrectly loaded.	Load the battery correctly.	12
	The camera is set to remote control / self timer mode.	Reset to another mode.	23
No indication in the display panel.	The camera power is off.	Turn the camera power on.	14
	The battery warning is blinking.	Replace with fresh battery.	12
	The battery is incorrectly loaded.	Load the battery correctly.	12
The Green LED is blinking.	The camera is too close to the subject.	Follow the minimum distance requirements.	18
	The flash is charging.	Wait till the Green LED goes out.	16
	The object is out of focus.	Aim the focus frame at different subject with the same distance, then use the focus lock function.	18
The flash fires when the shutter is pressed halfway.	In low light conditions without enough ambient light to focus, normally the flash will fire for assisting AF by pressing the shutter halfway down.	Push the shutter button completely down to release the shutter.	16
The flash does not fire.	The camera is set to flash-off mode.	Reset to another mode.	21
	The camera is set to landscape mode.	Reset to another mode.	22
	The camera is set to exposure compensation mode.	Reset to another mode.	26

## 7 Specifications

Type	Fully automatic 35 mm lens shutter camera with built-in zoom lens
Picture size	24 mm x 36 mm
Lens	Carl Zeiss Vario Tessar T* 28 mm - 70 mm F4.5 - F8.0 (7 elements in 6 groups).
Shutter	Programmed electronic shutter, 2-1/360 seconds (wide), 2-1/250 seconds (Tele) Long-Time Exposure mode 120 seconds
Focusing range	28 mm.....0.5 m/1.6 ft. -∞. 70 mm.....0.5 m/1.6 ft. -∞.
Exposure control	Programmed automatic exposure.
Exposure range	EV5 - EV17 (ISO 100)
Metering Method	External
Film speed	Automatic setting with DX-coded ISO 50, 100, 200, 400, 800, 1600 and 3200 film. Film speed automatically set to ISO 100 with non-DX coded film.
Focusing	Passive type, 5 point Multi Auto Focus/Spot AF

Viewfinder	Real-image zoom viewfinder
Magnification	0.31~0.72X
Field of view	over 80%
Diopter Adjustment	Correctable range -3~+1
Display in Viewfinder	Focus Frame, Spot AF Frame, Picture Area Frame, Close-Range Area Frame
Display beside Viewfinder eyepiece	Focusing/Flash indicator (green LED).
Display panel	Long-Time & Exposure counter/self-timer count down, date & time, date mark, Flash mode marks (Auto-flash, Red-eye Reduction Auto-flash, Flash-off, Night Portrait, Fill-in Flash, Landscape), self-timer/remote control mark, Spot AF mark, battery warning mark.
Film loading	Auto loading (film automatically advances to the first frame)
Film advance	Automatic.

Film rewinding Auto return/auto stop and a mid-roll film can be rewound.

Exposure Counter Automatic additive type

Self-timer Electronic, with 10-sec. delay (self-timer indicator blinks while it is operating); exposure counter shows remaining time in seconds

Flash Built-in, with guide-number control

Flash range (ISO 100) At 28mm: 0.5m/1.6ft. - 3.5m/11.5ft.  
At 70mm: 0.5m/1.6ft. - 2.3m/7.5ft.  
(ISO 400) At 28mm: 0.5m/1.6ft. - 6.9m/22.6ft.  
At 70mm: 0.5m/1.6ft. - 4.6m/15.1ft.

Recycle time about 2~10 sec.

Auto dating unit Built-in LCD display quartz clock (automatic calendar)

Date imprinting method ① year-month-day, ② day-hour-minute, ③ dating unit off, ④ month-day-year, ⑤ day-month-year

Battery for dating unit From camera body battery.

Battery 3 V Lithium battery 1 pc. (CR123A or DL123A); about 15 rolls of 24-exposure film can be exposed with 50% flash

Dimensions & Weight 113 (W) x 62.5 (H) x 39.5 (D) mm  
4.5(W) x 2.5(H) x 1.6(D) in.  
195 g / 6.8 oz. (without battery)

#### Remote Control R-4

Type Infrared remote control

Effective range Within 4 meters of the front of the camera

Battery life About 50000 uses  
Battery can be replaced at an authorized service center.

Dimensions & Weight 64mm (W) x 22mm (H) x 9mm (D) /  
2.5(W) x 0.9(H) x 0.4(D)in.  
7.5g / 0.26oz. (without battery)

Specifications and design are subject to change without notice. All data are based on manufacturer's Test method.

# MEMO

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