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# Infinity SuperZoom300

■ INSTRUCTIONS

■ MODE D'EMPLOI

# TABLE OF CONTENTS

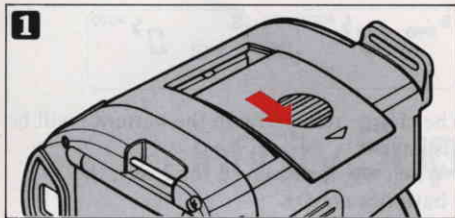
<b>Preparations before taking pictures</b> .....	3	<b>Taking photographs IV</b> .....	32
Loading batteries .....	4	Auto-zoom photography .....	33
Checking the batteries .....	5	Double-exposure photography .....	35
<b>Taking photographs I</b> .....	6	Servo AF photography .....	37
Loading the film .....	7	<b>To take better photographs</b> .....	38
Taking photographs .....	10	Zoom lens .....	39
Unloading the film .....	14	Autofocus (AF) .....	41
<b>Taking photographs II</b> .....	15	Exposure .....	43
Using the focus lock .....	16	Viewfinder displays .....	46
Taking a continuous series of shots ..	17	LCD panel and mode buttons .....	48
Using the self-timer .....	18	Using the accessories .....	50
Macro photography .....	20	<b>Care and Storage</b> .....	52
Photographing distant objects .....	22	<b>Questions and Answers</b> .....	54
Exposure compensation .....	23	<b>Description of Controls</b> .....	57
Spot metering .....	24	<b>Specifications</b> .....	59
Using the RESET button .....	26		
<b>Taking photographs III</b> .....	27		
Flash auto photography .....	28		
Flash OFF mode   When you			
don't want the flash to fire .....	29		
Using fill-in flash .....	30		

# Infinity **SuperZoom 300**

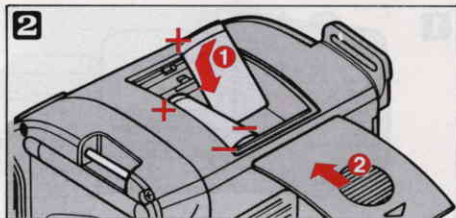
**Preparations before Taking Pictures**

# Loading Batteries

Do not use incorrect batteries or mix new and old batteries at the same time.



Set the power switch to OFF, and remove the battery cover on the side of the grip.

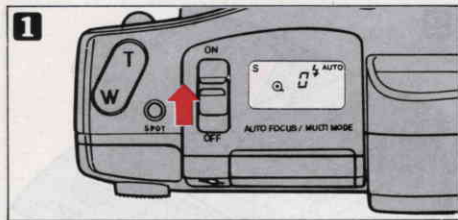


Insert the batteries in the correct directions and replace the cover.

Two 3V lithium batteries (DL123A)

\* Before replacing batteries, set the power switch to OFF.


# Checking the Batteries





Slide the power switch ON.




The charge remaining in the batteries will be displayed.

When  is displayed for 2 sec., the batteries are OK.

When  blinks, the battery power is below 50%.

When  lights, replace the batteries.

 blinks.

\* The LCD display cut-off after 90 sec. to conserve battery power. When the power switch is set to OFF, the lens zooms to the WIDE position.

# Infinity **SuperZoom300**

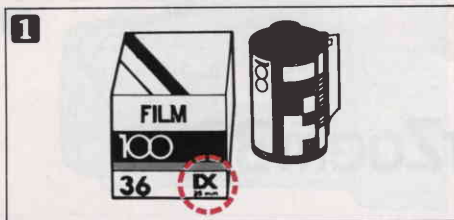
6

## **Taking Photographs I**

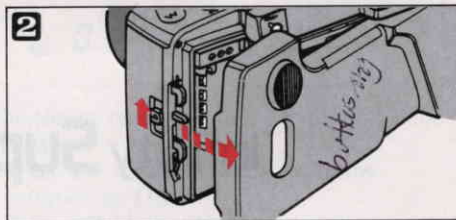
With the Super Zoom 300, anyone can take photographs easily using a variety of techniques. In its section, the basics of photography — how to aim the camera and how to use the zoom lens — will be explained.

# Loading the Film

Film-loading and film-speed selection (ISO) for DX film is automatic in this camera.

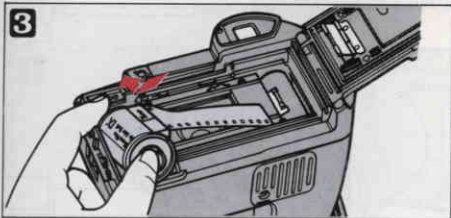


Make sure film is a DX type film.  
\* In case of non-DX film, ISO 100 is automaticall set.



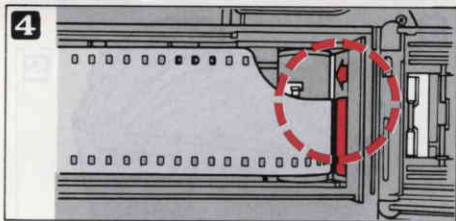
To open the back, slide the camera back release knob.  
\* When opening and closing the camera back, always make sure that the mode cover is closed.



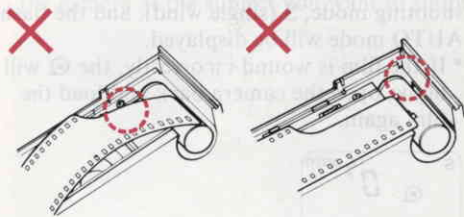


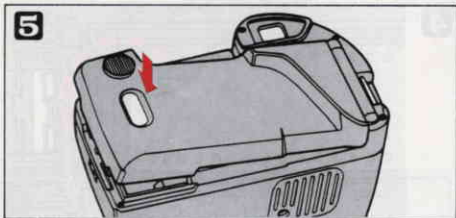
**3** Insert the film cartridge. Be sure to do this in the shade.

\* Be careful not to touch the lens with your fingers or the film leader.




**4** Align the film leader with the red mark.

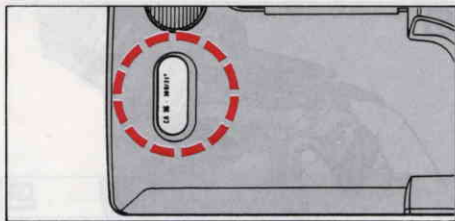
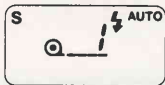
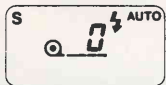
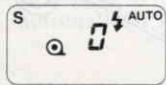




Close the camera back.

The film is automatically wound until the exposure counter reads 1. The standard shooting mode, S (single wind), and the flash AUTO mode will be displayed.

\* If the film is wound incorrectly, the  will blink, open the camera back and load the film again.



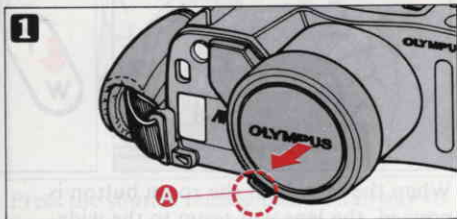
Film type confirmation: This is possible through the window in the camera back.

When opening and closing the camera back, always make sure that the back cover is closed.

When opening and closing the camera back, always make sure that the back cover is closed.

# Taking Photographs

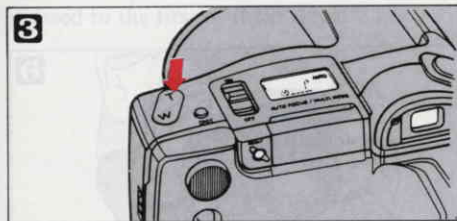
Use the grip strap. (See p. 50.)



Remove the lens cap holding the part marked **A**.



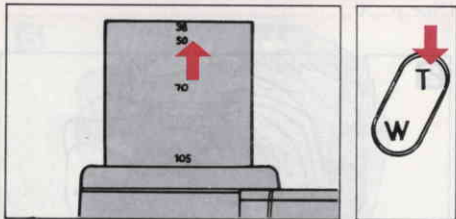
While looking through the viewfinder, aim the camera at the subject you want to shoot.



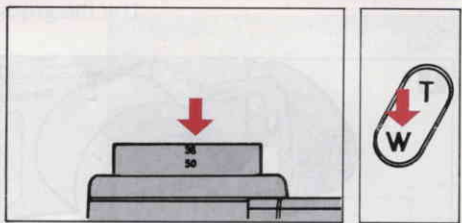
Operate the zoom button to adjust the lens until you see the image you want.



\* Be careful not to touch the lens surface with your finger.

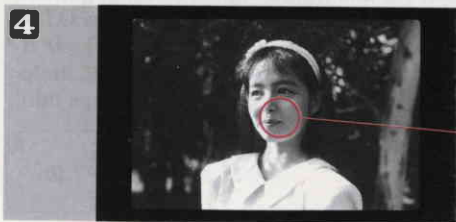


When the T side of the zoom button is pressed, the lens will zoom to the telephoto side. (In the telephoto position, the maximum focal length of the lens is 105 mm)

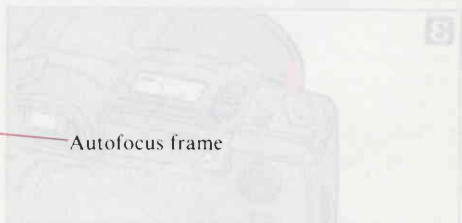


When the W side of the zoom button is pressed, the lens will zoom to the wide-angle side. (In the wide-angle position, the minimum focal length of the lens is 38 mm.)

11

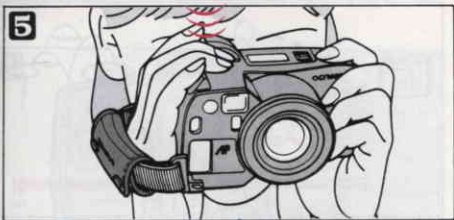


Move the camera so the subject is in the center of the autofocus frame. Make sure to keep the subject within the frame.



Autofocus frame

(Operate the zoom button to adjust the lens until you see the image you want.)



Press the shutter release button halfway to focus.

The button can be pressed in two steps; autofocus operates when the button is pressed to the first of these steps.



Press the shutter release button fully.



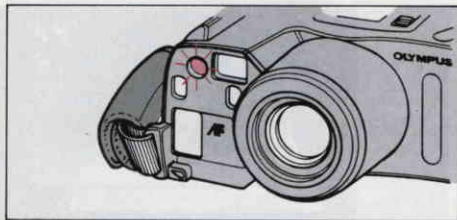
When the subject is in focus, **AF** lights in the viewfinder.

When the **AF** blinks, try focusing again because your subject is not in focus.

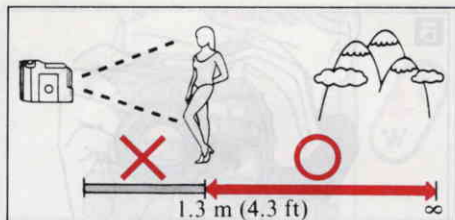
\* The shutter cannot be released with **AF** blinking.



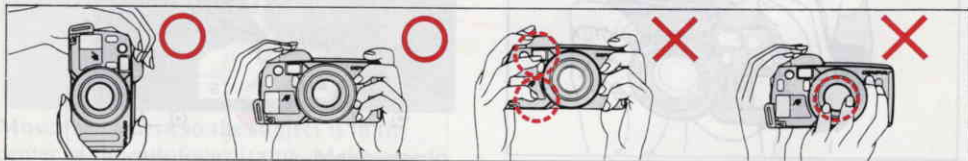
Immediately after the shutter is released, the film is automatically wound by one frame, and the exposure counter advances by one.



In low light conditions: the red AF-Illuminator is activated automatically to determine the correct focusing distance. (Maximum operating distance: approx. 4 m (13 ft)).

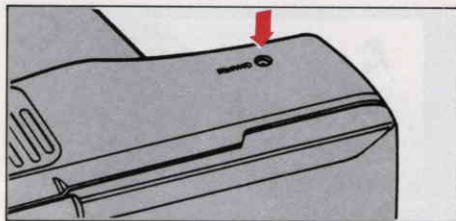
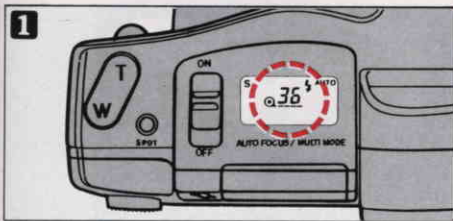


Shooting range: Autofocus operates with the subject at a distance of 1.3 m (4.3 ft) to  $\infty$  (infinity). When the subject is closer than 1.3 m (4.3 ft), **AF** will blink in the viewfinder, and the shutter will not be released. However, the shutter may sometimes be released erroneously when the subject is extremely close to the camera.



Correct and incorrect ways to aim the camera: be careful not to touch the lens or flash. When using a shoulder strap, be careful that the strap does not obstruct the lens or flash.

# Unloading the Film

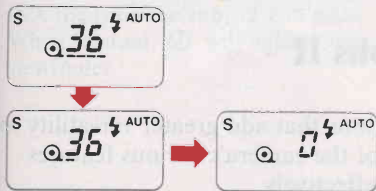


When you reach the end of the film, it is automatically rewind.

Press the rewind button to rewind the film before you have completely shot the roll.

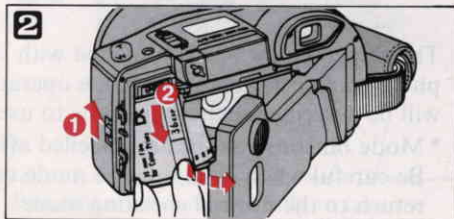
\* The final reading of the exposure counter prior to rewinding may be more than the number of exposures specified for the film.

14



When rewinding is completed, the sound of the motor operating will stop and **Q** will blink.

\* Once the rewinding is finished, the film must be removed before any other operations are possible.



www.orphancamera.com back, and remove the film.

# Infinity SuperZoom300

## Taking Photographs II

The Super Zoom 300 is provided with various functions that add greater versatility to photography. In this section, the operation of each of the camera's various features will be described, explaining how to use them most effectively.

**\* Mode buttons cannot be cancelled after being set, even if the power is switched off. Be careful when changing the mode used for shooting. Use the reset button to return to the normal shooting mode.**



# Using the Focus Lock

This is used when the subject is not in the autofocus frame. (See p. 41.)



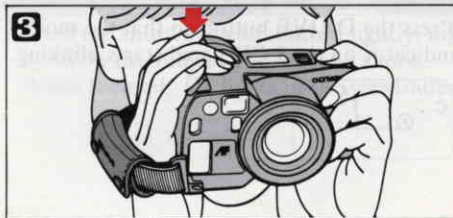
Aim the camera to center your subject within the autofocus frame.

Press the shutter release button lightly to lock focus on the subject you want.

When focused, **AF** will light in the viewfinder.



Maintain the pressure on the shutter release button, re-aim the camera to obtain the required composition.

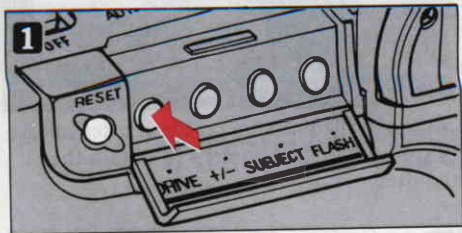


Press the shutter release fully to take the photograph.

\* When the focus is locked, the exposure is also fixed (AE lock).

# Taking a Continuous Series of shots

You can shoot continuously at a speed of 1.3 frames a second (1 frame every approx. 2.5 seconds when the flash is used. Refer to page 28 for the flash working range when in the continuous shooting mode).



Press the DRIVE button so that the mode C indicator on the LCD panel starts blinking.

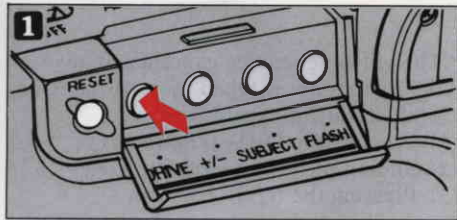




The camera will shoot repeatedly as long as the shutter release button is depressed.

\* The focus and exposure will be locked to the settings corresponding to the first frame of the series, so be careful when shooting a moving subject or other subject where light levels and subject distance varies.


# Using the Self-timer

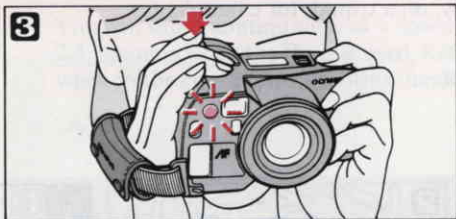
The camera should be set firmly, on a tripod, for example.



Press the DRIVE button inside the mode cover, and set the mode to .  blinks.



Press the shutter release button lightly, and focus on the subject you want to shoot. When focused,  lights in the viewfinder.



Press the shutter release fully to start the self-timer. The AF Illuminator lights. The shutter will fire in 12 seconds. The AF Illuminator will start blinking 2 seconds before the shutter is released.

After use, press the DRIVE button to cancel the mode.

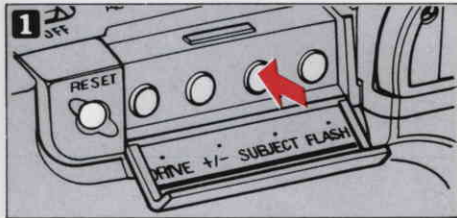
\* The self-timer can be cancelled at any time before the shot is taken by performing any of the following operations:



- (1) Pressing the DRIVE button
- (2) Sliding the power switch to OFF
- (3) Pressing the RESET button

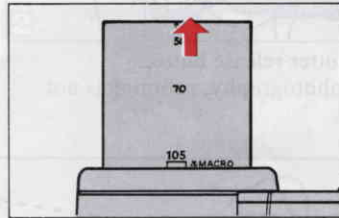
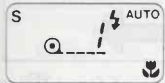
To avoid incorrect exposure in the self-timer mode, ensure that strong light does not enter through the viewfinder.

# Macro Photography

Macro Photography allows photographs to be taken with the subject as close as 0.8 m (2.6 ft) to the camera.



Press the **SUBJECT** button inside the mode cover and set the mode to .  blinks.



The lens zooms to the full telephoto position, and  will be indicated in the viewfinder.

At this time, the field of view slightly shifts towards the lower left of the viewfinder to compensate for the parallax condition in macro photography (See p. 46).

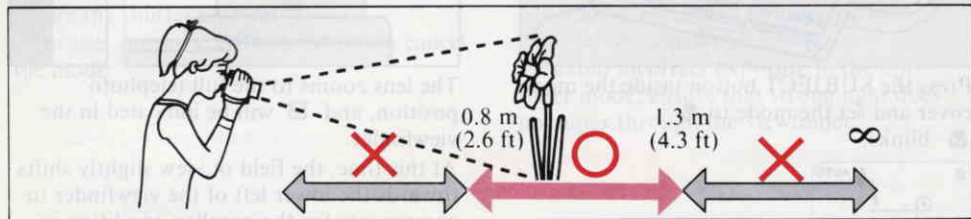




Press the shutter release button.

\* In macro photography, zooming is not possible.

21

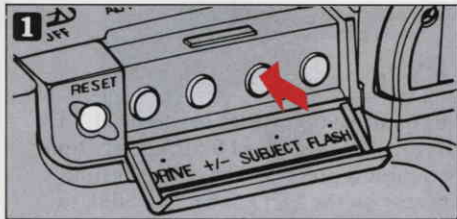


Shooting range: Macro photography is possible when the subject is at a distance of from 0.8 m (2.6 ft) to 1.3 m (4.3 ft) from the front surface of the lens. When the subject is out of this range, **AF** will blink in the viewfinder, and the shutter can not be released. However, the shutter can sometimes be released incorrectly when the subject is extremely close to the camera.

# Photographing Distant Objects

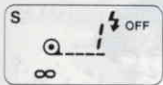
When shooting in this mode, the focus is fixed at infinity.

Use this  $\infty$  position when shooting fireworks in a night sky, clouds, mountains, etc., for optimum sharpness on distant subjects.



Press the SUBJECT button inside the mode cover and set the mode to  $\infty$ .

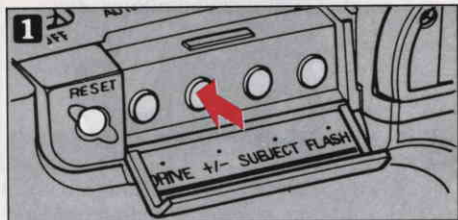
$\infty$  will blink.



Press the shutter release button.

\* In the  $\infty$  mode, the shutter is released even though **AF** does not light.

# Exposure Compensation



23

To control the exposure, press the +/- button inside the mode cover until the desired compensation value is indicated.



The compensation varies between  $-1.5$  EV and  $+1.5$  EV in steps of  $0.5$  EV every time the button is pressed. The compensation indicator on the LCD panel will blink to show the selected compensation.

①  $-1.5$ EV



②  $\pm 0$ EV



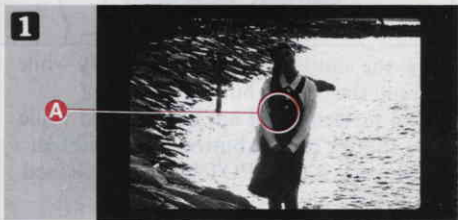
③  $+1.5$ EV





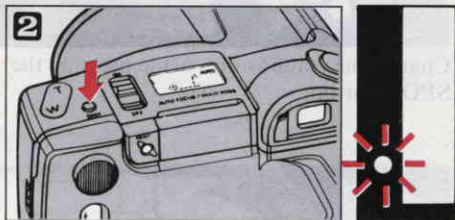
# Spot Metering

Spot metering can be used more effectively if the flash mode is set to OFF (See p. 45).



Move the camera so that the section to be metered is in the center of the viewfinder.

**A** Metering range (autofocus frame)



Press the SPOT button.

The spot mark in the viewfinder lights. To use spot metering together with focus lock, press the shutter release button lightly to the first step while pressing the SPOT button. (Spot metering can be performed regardless of which is first pressed).

3



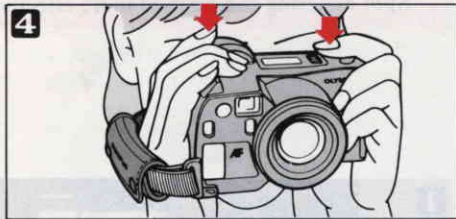
Change the composition while pressing the SPOT button.

25



The required subject will be exposed correctly without being affected by background illumination.

4



Press the shutter release button fully while keeping the SPOT button pressed.

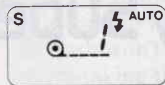
\* Spot metering will not be cancelled while the shutter release button is pressed half way, even if the SPOT button is released before the shutter is released.






# Using the RESET Button

If you have made a mistake in setting any controls, etc., press this Reset button to return to the standard shooting mode.



1 Press the RESET button.



The C, , , , DOUBLE EXP., SERVO AF and exposure compensation modes, the flash FILL-IN and OFF, and the auto zoom   will be released. Then S for the standard mode will be displayed and the flash will be set to AUTO.

# Infinity **SuperZoom300**

## **Taking Photographs III (Flash Photography)**

The Super Zoom 300 has an extended range of flash functions.

# Flash Auto Photography

In the flash auto mode, the flash fires automatically in low light condition and when the subject is backlit. This is the normal operating mode.



Press the shutter release button lightly.  
⚡ lights in the viewfinder to inform you that the flash is ready to fire.



Press the shutter release button fully.  
If the button is pressed before the ⚡ lights, the flash won't fire. Make sure the ⚡ is lit before taking the picture.

\* After the flash is wound, it takes approx. 3.5 sec to charge the flash.

## Shooting range guide:

ISO	WIDE	TELE
100	1.3m-4m (4.3ft-13.1ft)	1.3m-4m (4.3ft-13.1ft)
400	1.3m-8m (4.3ft-26.2ft)	1.3m-8m (4.3ft-26.2ft)

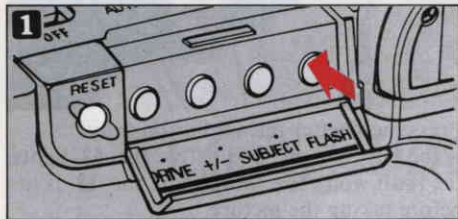
## Flash working range in the continuous shooting mode:

ISO	WIDE	TELE
100	1.3m-3m (4.3ft-9.8ft)	1.3m-3m (4.3ft-9.8ft)
400	1.3m-6m (4.3ft-19.7ft)	1.3m-6m (4.3ft-19.7ft)

# Flash OFF Mode

## When You Don't Want the Flash to Fire

Use this mode in a museum, etc., where flash photography is prohibited, or when you are shooting night scenes and you don't want the flash to fire.

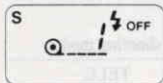


29

Press the FLASH button inside the mode cover and set the flash mode to OFF.

⚡ OFF blinks.

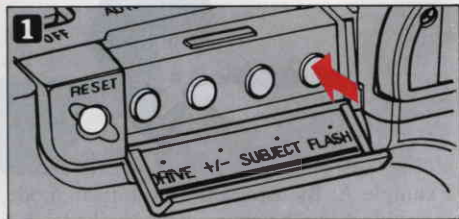
The shutter speed can be extended up to 2 sec.



\* In low lighting conditions, the shutter speed may be slow. Use a tripod, etc., to prevent shaking the camera.

## Using Fill-In flash

In this mode, the flash always operates. Use this mode when performing daylight synchro photography, slow synchro photography or shooting backlit subjects.



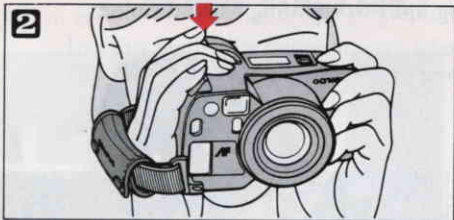
Press the FLASH button inside the mode cover and set the flash mode to FILL-IN. FILL-IN blinks.



Example A: With backlighting, the person's face, etc., will be too dark.



Example B: When shooting a night scene, etc., which includes the background, only the person in the foreground can be shot.



Press the shutter release button.



Example A: By using the Fill-in flash mode, the subject will be properly lit by the flash.

31



Example B: A special feature of the Fill-in flash mode is the ability to shoot exposures as slow as 2 seconds to capture the background, while the flash lights the subject.

\* In the slow synchro mode, the shutter speed becomes slow. Use a tripod, etc., to prevent the camera from shaking.



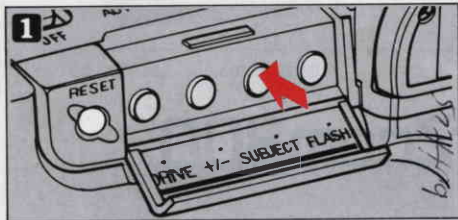
# Infinity SuperZoom300



## Taking Photographs IV

The Super Zoom 300 has the functions which rank with those of an AF SLR camera such as auto zoom, double-exposure and servo AF photography. In this section, photography techniques using those advanced functions will be explained.

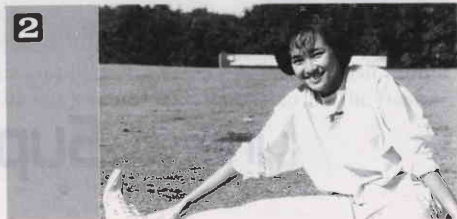
# Auto-zoom Photography

Use this mode to obtain photographs of a fixed size, even when the distance to the subject changes.




Press the SUBJECT button inside the mode cover to set the mode to  or .

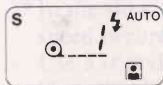
\* In Auto-zoom mode it is not possible to use the zoom button.




Press the shutter release button.

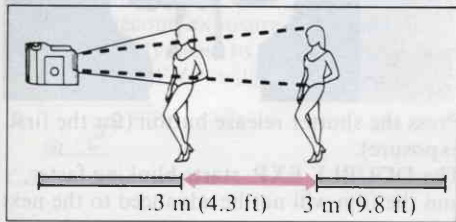
The zoom operates automatically, and the shutter will be released.

When shooting a portrait of a person above the waist,  should be set (blinks when set).




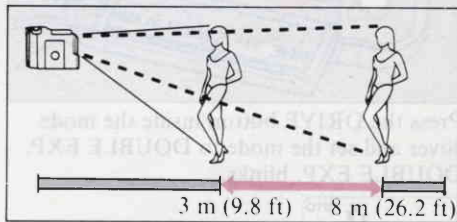
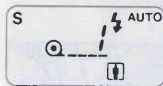



For the person's whole body to fill the picture,  should be set (blinks when set).



Working distances:

With  , shoot the subject in the range of 1.3 – 3 m. (4.3 ft – 9.8 ft)

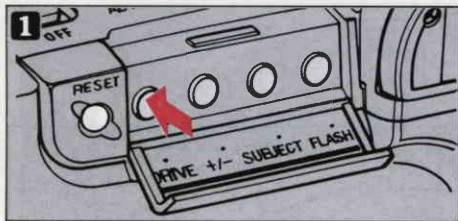


With  , shoot the subject in the range of 3 – 8 m. (9.8 ft – 26.2 ft)

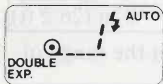
\* Outside the ranges shown in the illustrations on the above the person may not have the specified size in the photograph.

# Double-exposure Photography

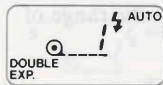
Use this mode to obtain photographs of a subject in two different poses.



Press the DRIVE button inside the mode cover and set the mode to DOUBLE EXP. DOUBLE EXP. blinks.



Press the shutter release button (for the first exposure). The DOUBLE EXP. starts blinking faster, and the film will not be advanced to the next frame.

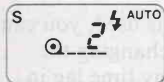


3



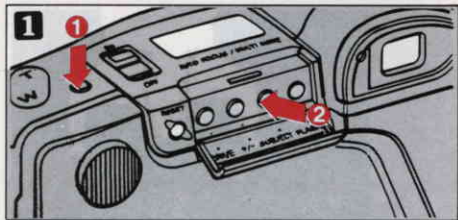
Determine the required composition, and press the shutter release button (for the second exposure).

When the second exposure is finished, the film will be advanced to the next frame, and the DOUBLE EXP. will be cancelled.

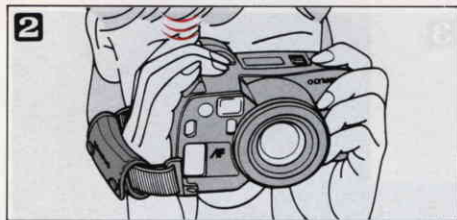
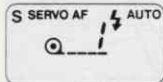


This example was shot with the camera held upside down for the first exposure.

# Servo AF Photography

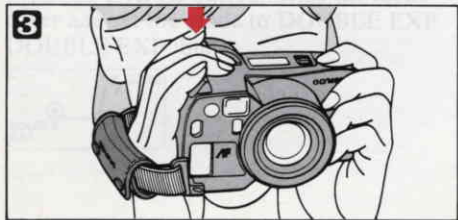


While pressing the SPOT button, press the SUBJECT button inside the mode cover. SERVO AF blinks.



Press the shutter release button lightly. The camera focuses (measuring the distance) once a second.

\* If you remove your finger in the middle of this operation, the focus and exposure will be locked at the point where the camera last focused.



Press the shutter release button fully.

When the servo AF function is used, you can keep on focusing even while changing the composition. This prevents any time lag in focusing, making it very convenient when shooting a moving subject. You can easily perform fixed point photography, shooting a moving subject at any predetermined point, by locking the focus at a particular point then releasing the shutter when the subject reaches that point.

# Infinity **SuperZoom300**

## **To Take Better Photographs**

If you want to take more satisfactory photographs and master more advanced photographic techniques, it is essential to fully understand the various mechanisms in the camera and their functions. When you understand the operations described up to this point, read this section to learn the more advanced techniques necessary to make full use of the Super Zoom 300.

# Zoom Lens

The Super Zoom 300 is equipped with a 38 — 105 mm zoom lens. A zoom lens is a lens whose focal length changes when part of the lens moves. In the case of the Super Zoom 300, any focal length between 38 mm and 105 mm can be selected. The user, without moving, can change the composition by zooming and, with the lens set the telephoto position, can select a single person in a crowd. In this way, the Super Zoom 300 makes extremely flexible photography possible and is equivalent to a camera with a number of interchangeable lenses. In practice, zooming can add immense pleasure to photography. The zoom operation is performed using the zoom button on the top the camera body. “W” stands for wide-angle, and “T” for telephoto. When the “T” side is pressed, the lens moves forward towards the maximum telephoto of 105 mm and when the “W” side is pressed, it moves back towards the widest angle of 38 mm. On the top of the zoom lens, there are 38, 50, 70, 105 and MACRO indications; use these as a guide when zooming.

## 38mm:

This is a wide-angle shot which means that the zoom lens was moved back into the camera. With this setting, because the angle of view is wide and the depth of field is greatest, sharp photographs with clear perspective and contrast can be obtained.

## 50 mm:

The image is almost the same as that seen with the naked eye. At 50 mm, you can take a great portrait of 2 people or other subjects that would not look natural in a wide angle shot. With this focal length, many photographs can be taken over a wide range of applications, from snapshots and portraits to landscapes.





## 85 mm or more:

When the lens is set to the maximum focal length of 105 mm, magnification is approximately three times greater than at 38 mm and you will be able to obtain genuine telephoto photographs. In contrast to wide-angle shots, the perspective is narrow, and the depth of the field becomes more shallow. Because the depth of field is not so great, objects in front of or behind the subject being photographed will be out of focus; make use of this in composing your photographs. Try taking close-ups with the telephoto setting. The telephoto lens is especially useful for sports photography and taking photographs of animals without disturbing them. Telephoto can make snapshots and portraits more interesting by using its shallow depth of field. When taking telephoto shots, be sure to hold the camera securely so that it does not shake.

\* The three pictures ((1), (2) and (3)) on the left are examples taken with the photographer zooming while standing still and the pictures clearly illustrate the differences obtained with different settings. The three pictures on the right are examples of when the dimensions of the subject are not changed. From these examples, you can easily see the difference in the relation between the subject and the background.

### Angle of view:

This is the shooting and viewing angle of the lens, you zoom to adjust the composition, in your photograph. When the angle of the view is greater (W), the wide angle view is seen. When the angle is narrower, you have shifted towards the telephoto (T).

### Depth of field:

This is the range within which objects will be in focus. Outside this range, nearer to the camera or further from it, objects will be out of focus. The shorter the focal length of the lens and or the larger the "f" number, the greater the depth of field.

④ 38mm



⑤ 70mm



⑥ 105mm



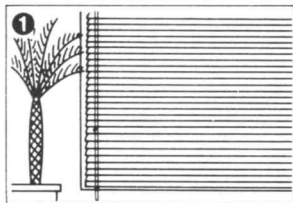
# Autofocus (AF)

The Autofocus (AF) mechanism automatically adjusts focus. With it, the camera measures the distance to a subject and adjusts the lens so that the subject is in focus. In the Super Zoom 300, focusing is done by a newly-developed "Phase-Difference" detection system. In this system, light from the subject is picked up by a special sensor and any inconsistencies (phase differences) in the image are used by a microprocessor chip to calculate the best focus setting. Since the lens used in the Super Zoom 300 is very accurate, correct focusing is even more accurate and accomplished by just aiming the lens at the subject. When there is no light reflected from the subject, for example in a dark room, focusing is performed using a beam of light from the camera (the AF-Illuminator).

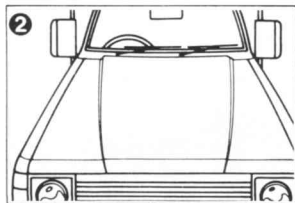
Autofocus is designed so that the object in the center of the picture frame is correctly focused. However, sometimes you may want a subject that is not in the center of the frame to be in focus; for such cases, the Super Zoom 300 is also equipped with a focus lock mechanism. For example, when your subject is at the edge of the picture frame, not in the center, first move the camera slightly so that the subject is in the center of the autofocus frame, then

41

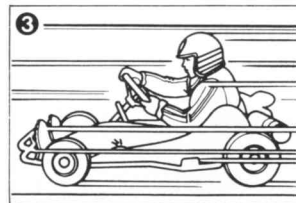
(1) Subject that does not include vertical lines



(2) Subject with low contrast



(3) A rapidly moving subject



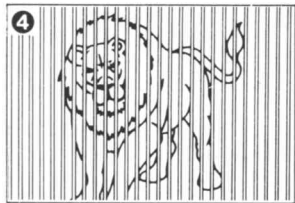
press the shutter release button halfway to focus. While keeping the button pressed, recompose the picture, and press the button fully. (See "Taking Photographs II" on p. 16).

By doing this, photographs with any required composition can be taken. In addition, at the time the focus is locked, the exposure is also determined automatically and locked (AE lock).

### Subjects with which autofocus is difficult

Although the Super Zoom 300 can focus in almost any situation, there are certain conditions, such as those illustrated below (on the left), in which it may not be possible to obtain the correct focus. The AF in the viewfinder will usually blink to warn you during these conditions; however, in situations (4), (5) and (6), the green AF in the viewfinder may light even though the lens is incorrectly focused. In any of these situations, you can try focusing on a subject at a similar distance and then, using the focus lock.

- (4) Two subjects within the focusing frame, at different distances



- (5) Excessively bright light in the center of the focusing frame



- (6) A subject with a repeated pattern



# Exposure

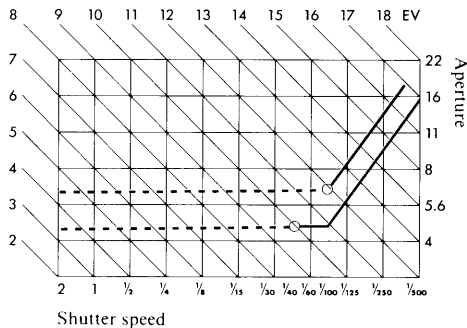
## Programmed exposure

One of the basics of photography is exposure. Exposure refers to the amount of the light which strikes the film. The correct amount of the light, or correct exposure is controlled according to the film speed (indicated on the film package, such as ISO 100 or ISO 200), the shutter speed and aperture. Many cameras are now equipped with a programmed exposure function so that the correct exposure can be obtained easily without any guess-work or previous photography experience.

With programmed auto exposure, the camera automatically sets the most suitable combination of “f” stop and shutter speed for subjects at any brightness level. As a result, the correct exposure will be obtained almost immediately. It’s an automatic exposure system that means you’ll never miss the opportunity to take a photograph. All the photographer has to do when holding the camera is to concentrate on aiming it correctly and press the shutter release button. For example, when you change from a dark to bright subject, the camera adjusts itself to maintain the correct exposure. Anyone can take photographs without worrying about making a mistake.

## Program chart

The chart shown here is a program chart when the focal length is 38 mm and 105 mm. When the subject is brighter than EV 11 for wide-angle shots and EV 12 for telephoto shots, the aperture and shutter speed change simultaneously. When the subject is darker, the aperture opens fully and the shutter speed changes. Naturally the program takes any zoom setting into consideration and sets the aperture and shutter speed which are most appropriate for every shot. So that camera shake is less of a problem, the shutter speed will not be slower than 1/40 sec. for wide-angle shots and 1/100 sec. for telephoto shots. When the subject is darker and requires a slower shutter speed, the flash fires automatically; in the fill-in or flash-off mode, stays open for as long as needed-up to a long 2 sec. automatically. (Broken line section)

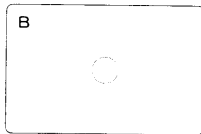
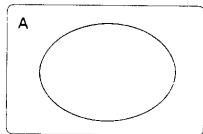


## Spot metering

Among methods for measuring the amount of light, the most widely used is the "center-weighted average light metering system" (Fig. A). This system gives excellent results when taking ordinary shots; however, when there is an extremely bright or dark area in the frame, a center-weighted average light metering system may not automatically set the best exposure.

When taking a portrait for example, if the background is too bright, the subject will be dark, and vice versa. The sophisticated light metering system used in the Super Zoom 300 which is used to obtain proper exposure in this situation is called "spot metering". Spot metering (Fig. B) measures and calculates the correct exposure only from the brightness, in the central section of the frame.

This makes spot metering very convenient when the subject is back lit, side lit, or spot lit. Even when the subject looks dark and does not stand out from the background, your photographs will be exposed properly. To make white objects look very white, use spot metering and then operate exposure compensation button to the (+) direction, to make black objects look very black, use spot metering and then operate exposure compensation button to the (-) direction.



## Double exposure

"Double exposure" refers to a technique in which images are superimposed by releasing the shutter twice without advancing the film.

In the case of the Super Zoom 300, you can easily take double exposures by pressing the DRIVE button inside the mode cover. By doing this, even when the shutter is released, the film won't advance to the next frame until the shutter has been released for the second exposure. Used together with the spot metering function, you can take extra special-effects photographs, with the same face but with different expressions appearing twice in the same photograph, for example. We recommend combined use of exposure compensation and the flash for applications of this type.

## Exposure compensation

With the Super Zoom 300, the exposure can be compensated from  $-1.5$  EV to  $+1.5$  EV in  $0.5$  EV steps, by simply pressing the exposure compensation button marked  $+ -$  inside the mode cover. For instance, when shooting a back lit subject that's too far away for the flash to be effective, the exposure should be compensated to the positive side (more light) so the subject doesn't look too dark in the photograph. When the background is dark and details can't be seen and only the subject is bright, the exposure should be compensated to the negative side. (less light)

# Viewfinder Displays

The Super Zoom 300 has a viewfinder system which minimizes parallax and which is coupled with the zoom lens at every setting. This viewfinder is different from those used with conventional compact cameras, employing a system that shows a corrected and magnified image using the real image obtained through the lens. This high-performance viewfinder shows about 85% of the image that will appear in the photograph, which makes it extremely similar to the viewfinder of an SLR camera. This means the viewfinder shows exactly what will appear in the photograph. The viewfinder's high magnification is made possible by newly developed optical technology. The image in this viewfinder is large, bright and clear making this camera still easier to use.

So even when your taking telephoto shots, you can accurately compose through the viewfinder, so you won't miss those details that make photographs unique.

## Parallax in macro photography

In macro photography, with the camera very close to the subject, the image seen in the viewfinder of a conventional compact camera and the actual image on the photograph sometimes seem very different.

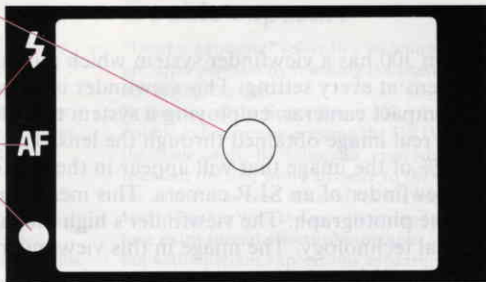
To avoid this, the viewfinder frame of the Super Zoom 300 is adjusted by the camera according to the subject's distance, minimizing any actual photograph. In this case, the autofocus frame is not in the center of the viewfinder, so the focus lock function should be used for accurate autofocus.

(A) Autofocus frame

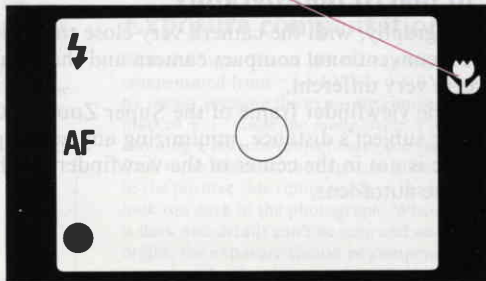
(B) Flash indicator

(C) AF indicator

(D) Spot metering indicator



(E) Macro indicator





# LCD Panel and Mode Buttons

The Super Zoom 300 has an LCD panel which displays information about the camera's operation, the amount of power left in the battery and the number of shots you've taken. This display provides easy to understand information while showing how to operate the camera correctly.

These indications remain visible for 90 seconds after each operation is performed. After they go out, if an operation is repeated, the indication is displayed again. After the power is switched off, any modes which have been set are held in the camera's memory, for use next time. The following information is displayed:

1. Battery condition

2. Single winding

3. Continuous winding

4. Self-timer

5. Double-exposure

6. Infinity subject photography

7. Film winding condition

8. Exposure compensation

(E) Spot button

(F) RESET button

9. Servo AF

10. Exposure counter

11. Flash auto

12. Flash-off

13. Fill-in flash

14. Macro photography

15. Auto zoom

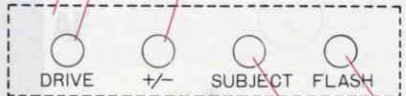
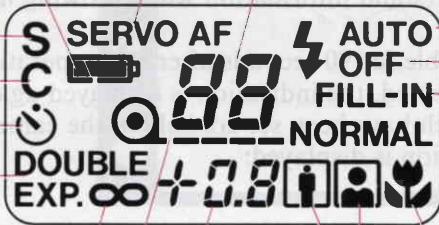
16. Mode button (A) — (F)

(A) DRIVE button

(B) Exposure compensation button

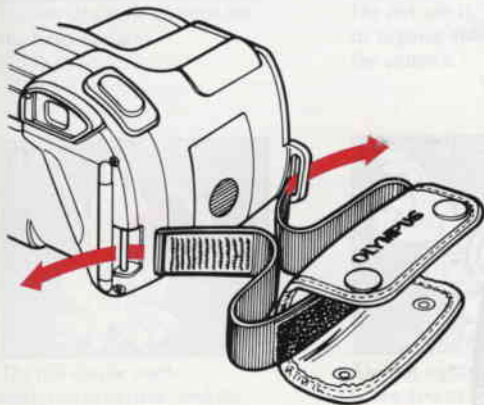
(D) FLASH button

(C) SUBJECT button



# Using the Accessories

## How to mount the grip strap



## How to use the optional soft case



## Use of filter

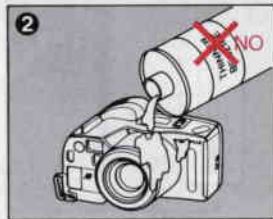
Special-effects can be obtained by using Filter set. (Filter diameter: 40.5 mm)

\* When you use filters with this camera, it may result in under-exposure. In such a case, we recommend using the exposure compensation button.

# Care and Storage



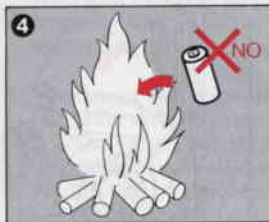
1 Do not drop the camera on the hard surfaces.



2 Do not use thinner, benzene or organic solvents to clean the camera.



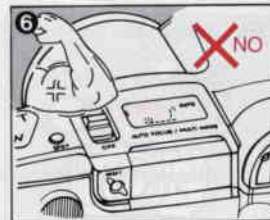
3 Do not expose the camera to rain shower and water.



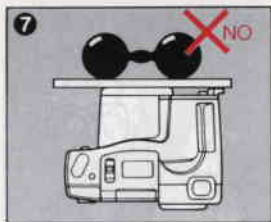
4 Do not throw used batteries into fires, and do not heat, disassemble or shorten them.



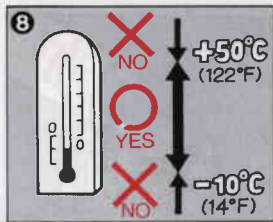
5 Do not tighten the tripod screw too much.



6 Do not apply excessive force to the camera.



Do not put heavy object on the camera.



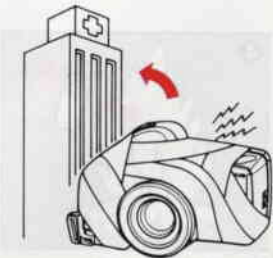
Do not put the camera in the extreme heat (over 50°C or 122°F) like inside of cars during hot summer weather or in the extreme cold (below -10°C or 14°F).



Avoid sudden temperature changes.



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



In case of malfunction, take the camera to your nearest Olympus service station.

# Questions and Answers

**Q: What kind of batteries should I use?**

**A:** Use two lithium Duracell DL-123A batteries. Don't install one new battery with an old one. Change them both at the same time.

**Q: How long do the batteries last?**

**A:** Since long-life lithium batteries are used, approximately 30 rolls (24-exposure, half the shots with flash) can be taken. When the frequency with which the flash and zoom are used is less, the batteries will last longer.

**Q: The camera does not work. What should I do?**

- A:** (1) Make sure the power switch is set to ON. This camera will not function when the power switch is between ON and OFF. At this time, the spot metering indicator will light in the viewfinder to warn you.
- (2) Check to make sure that the batteries are loaded and inserted correctly.
- (3) If the film has been rewound, the camera won't work until a new film is inserted.

**Q: The camera does not focus correctly. What should I do?**

**A:** The camera may not focus correctly in some cases. Focusing is difficult when, for example, the subject is moving quickly, if the camera is shaking, or if the subject is one of those with which focusing is difficult (See "Subjects with which autofocus is difficult" on p. 42.)

**Q: Why doesn't the camera focus although the AF Illuminator lights?**

**A:** It may not focus if the subject is too close and if the subject reflects too little light (when it is blue or black).

**Q: Why won't the shutter fire when I press the release button.**

**A:** Probably because the camera hasn't focused. Check the AF in the viewfinder.

**Q: The flash doesn't fire. What should I do?**

**A:** (1) Check to see if the flash mode is set to OFF.

- (2) When the flash is fired too often in succession, flash charging will take longer, and the flash may not fire. Wait until the flash indicator lights.

**Q: While the SPOT button is pressed, the AF in the viewfinder started blinking quickly. What should I do?**

**A:** When spot metering is used, the cycle with which AF blinks becomes faster; this means the subject is not in focus. Before shooting, confirm that the **AF** indicator lights.

**Q: The film does not advance to the first frame automatically even when the camera back is closed. What should I do?**

**A:** Open the camera back, and remove the film. Switch the power off then on again to check the power remaining in the battery; if there is sufficient power, insert the film again and close the camera back.

**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.

**Q: I feel the shadow behind the subject distracting in flash pictures indoors.**

**A:** Whatever camera you may use, a shadow will appear behind the subject in flash pictures. When you take flash pictures with the Super Zoom 300, the shadow may appear darker because it is equipped with a powerful zoom flash compared to conventional cameras with a built-in flash to suit its 105mm telephoto lens. In such situation, especially when taking portraits, it is recommended to shoot with the camera in vertical position so that the flash side is up. The shadow will then be less



distracting because it appears under the subject.

**Q: The eyes of people appear red in portraits taken with flash.**

**A:** This “red eye” effect is caused by flash light reflected from the retina of the eye. Though it may occur with any camera when taking portraits with flash, it varies greatly with the nature of the subject and shooting conditions such as lighting conditions around the subject. And if the camera-to-subject distance is long, as in the case of 105mm telephoto shots, the “red eye” effect is likely to occur. To reduce it, set the lens at wideangle and get in closer to the subject to shoot.

**Q: The mode displayed in the LCD panel differs from that which is set on the camera.**

**A:** If the battery is changed with the power switch on, the display panel may not show the actual mode set on the camera.

To correct it, just press in the reset button.

# Description of Controls

1. Shutter release button
2. Viewfinder window
3. AF Illuminator
4. Autofocus window
5. Flash reflector
6. Grip strap
7. LCD panel
8. Power switch
9. Spot metering button
10. Camera back release knob
11. Power Zoom Control button





# Specifications

**Type:** Full-automatic 35mm autofocus lens-shutter camera with built-in Zoom lens

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

**Lens:** Olympus 38 — 105mm F4.5-6 lens with 12 elements in 11 groups

**Shutter:** Programmed electronic shutter

**Viewfinder:** Kepler type 0.46-1.2x bright frame zoom-finder (with autofocus frame, AF indicator, flash indicator, spot metering indicator, macro indicator)

Parallax compensation system in macro photography

Finder view-field: 85% of actual picture field

**Focusing:** Passive autofocus system with focus lock

Focusing range: 1.3m(4.3ft) — ∞ (infinity)  
0.8m(2.6ft) — 1.3m(4.3ft) in macro photography

**Exposure control:** Automatic exposure control with programmed electronic shutter (Center-weighted average light metering, switchable to spot metering)

Auto exposure range: WIDE: EV3.4(F4.5,

2 sec.) — EV17(F16, 1/500 sec.)

TELE: EV4.4(F6, 2 sec.) — EV17(F18.4, 1/400 sec.)

**Exposure compensation:** ±1.5EV Compensation possible (1/2 step)

**Exposure counter:** Progressive type, displayed in LCD panel

**Self-timer:** Electronic self-timer with 12 sec. delay

**Film speed range:** Automatic setting with DX coded film ISO 25 — 3200 with color negative film (Actual setting at 25, 50, 100, 200, 400, 800, 1600, 3200. For other intermediate film speeds, the camera is automatically set to the lower speed. For ISO 32 film, it is set to ISO 100.)

**Film loading:** Automatic loading (automatically advances to first frame when camera back is closed)

**Film advance:** Automatic film winding

**Film rewind:** Automatic film rewind (automatic rewind activated at the end of film, automatic rewind stop), rewind possible at any point with rewind button.

**AF illuminator:** Automatic actuation in low light

**Flash:** Built-in zoom flash

Recycling time: SINGLE MODE: approx.

3.5 sec. (at normal Temperature)

Continuous Mode: approx. 2.5 sec. (at normal temperature)

Flash working range: WIDE: 1.3m(4.3ft)  
— 4m(13.1ft)

TELE: 1.3m(4.3ft) — 4m(13.1ft) with ISO 100 negative color film

WIDE: 1.3m(4.3ft) — 8m(26.2ft)

TELE: 1.3m(4.3ft) — 8m(26.2ft) with ISO 400 negative color film

**Flash modes:** AUTO (automatic flash activation in low light and backlight)

FILL-IN (forced activation, slow-synchro possible with longest shutter speed of 2 sec.)

OFF (activation stop)

**Battery check:** Displayed in LCD panel

**Power source:** Two 3V lithium batteries (DL 123A) (replaceable)

**Dimensions:** 132(W)mm x 79(H)mm x 92(D)mm (5.2" x 3.1" x 3.7") (excluding protrusions)

**Weight:** 585g (20.6oz) (without batteries)

Specifications and design are subject to change without notice.