

## AE Magnifying Hood RZ



### Instructions

### Special Features

The AE Magnifying Hood RZ is an aperture-priority auto-exposure (AE) magnifying hood which incorporates a quartz-controlled electronic shutter speed control circuit.

1. In the AE mode, correct exposure is obtained by simply focusing the lens and pressing the shutter release button. In this case, exposure will be automatically controlled.
2. The Finder is provided with an AE lock which is very useful for exposure measurement of the most important spot of your subject. It also has an Exposure Compensation Dial for  $\pm 3$  EV exposure compensation.
3. In the manual mode, a correct-exposure readout is provided in the viewfinder. Manual metering is also possible.

### Names of Parts



- |                              |  |
|------------------------------|--|
| ① Shutter Speed Dial         | ⑧ Diopter Scale Index                            |
| ② Exposure Compensation Dial | ⑨ Exposure Compensation Dial Lock Release Button |
| ③ Setting Index              | ⑥ Auto Lock "A" Release Button                   |
| ④ Eyecup                     | ⑦ Mounting Lock/Release Button                   |
| ⑤ Diopter Adjustment Ring    |  |

### Attaching the Magnifying Hood

The AE Magnifying Hood RZ is mounted on the camera in the same way as the Focusing Hood.

- If there is an Electrical Contact Cover on the camera, always remove it before attaching the Magnifying Hood.

### Diopter Adjustment



Turn the Diopter Adjustment Ring and set it at the position where the image appears sharpest.

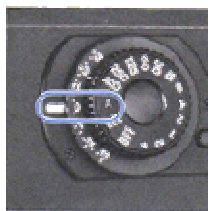
It can be adjusted in a range of  $-18$  to  $+0.4$  diopters.

The Eyecup is retractable. Pull it out when using it.

### Auto "A" Exposure



Align the "A" mark on the camera's shutter speed dial with the setting index. At other positions, electronic coupling will not take place and the AE Magnifying Hood will not operate in the automatically controlled exposures mode.

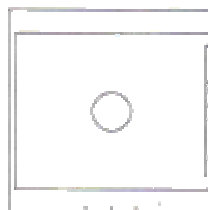


1. Align the "A" on the Finder's Shutter Speed Dial with the Setting Index (white line). The dial will be locked in place for aperture-priority AE operation.

To unlock the dial from the "A" position, turn it while pressing the Auto Lock Release Button in the center.

2. If you set the aperture with the lens' aperture ring and depress the shutter release button halfway, the shutter speed indicator LED of the correct shutter speed set for the selected aperture will illuminate in the viewfinder.

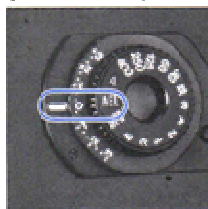
To trip the shutter, depress the shutter release button all the way.



- Always check to make sure if the film speed dial of the Film Holder or G Adaptor RZ is set for the speed of the film used.
- If "LT" turns on, it means that the selected shutter speed is set slower than 1 second, but not longer than 4 seconds.
- If the "Δ" mark blinks quickly (8 times a second), it indicates overexposure; if "LT" blinks quickly (8 times a second), it indicates underexposure.
- If any one of the shutter speed values blinks slowly (2 times a second), it means that the battery is spent. Replace it with a new one.

### Using the AE Lock

The AE Magnifying Hood RZ provides correct exposure measurement for the majority of subjects. In special lighting conditions, it also permits correct exposure using the AE lock or exposure compensation. The AE Lock is used for metering the exposure on the most important spot of the subject.



1. Set the Shutter Speed Dial at "AEL" as shown. If it has been set at "A", first unlock it by pressing the Auto Lock Release Button in the center.

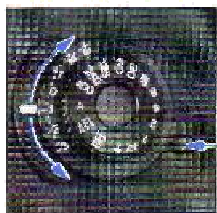
2. While looking through the viewfinder, bring the part of the subject on which you want to set exposure in the center of the viewfinder and depress the shutter release button halfway. The exposure value will

thus be stored in memory and will not change as long as you keep on pressing the button.

While keeping your finger on the button, compose your subject as you originally intended and release the shutter.

- When taking pictures in the AEL mode, always make sure a shutter speed indicator LED illuminates in the viewfinder before tripping the shutter. Correct exposure is not possible if you trip the shutter before the LED turns on.
- When taking pictures with remote control, set the Shutter Speed Dial at "A" (Auto). Correct exposure is not obtained at "AEL".

## Exposure Compensation

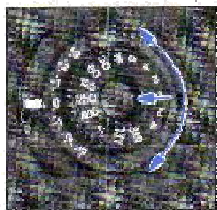


While pressing the Exposure Compensation Dial Lock Release Button, turn and set the Exposure Compensation Dial. This Finder permits  $\pm 3$  EV exposure compensation. The dial has click stops at its respective 1/3-EV-step positions. Exposure is increased by turning the dial toward the "+" side, and decreased by turning it toward the "-" side.

- After taking pictures with exposure compensation, be sure to reset the dial to "0". It will be locked in place to prevent its turning by accident.

## Manual Exposure

Manual exposure is possible by unlocking the Shutter Speed Dial from "A" (Auto) or "AEL" (AE Lock) and choosing your desired combination of shutter speed and aperture in the viewfinder.



First, set the Shutter Speed Dial at your desired shutter speed and depress the shutter release button halfway. The shutter speed indicator LED of the manually set shutter speed will glow steadily in the viewfinder and, in addition, another LED will blink at the same time. This LED represents the shutter speed chosen by the AE Magnifying Hood for the aperture

you have selected, and it will blink at a rate of four times a second. Correct exposure is obtained when only one shutter speed illuminates in the viewfinder. You can do this by changing the shutter speed or aperture as necessary.

## Notice

- Because exposure measurement is made through the camera lens, there is no need for exposure compensation when you change the lens or use a filter on the lens.
- During mirror-up operation, if the shutter is released within one minute after the mirror rises, it will trip with an exposure value that has been set just before the mirror rises.
- Extraneous light entering through the eyepiece can affect the metering system, causing incorrect exposure. To prevent this, place your eye as close to the Eyecup as possible during exposure.
- When taking pictures with remote control, be sure to cover the eyepiece with the eyepiece cap to prevent extraneous light from entering.
- There are 13 electrical contacts on the camera top and the rear of the AE Magnifying Hood. Grease or dust on them will cause poor electrical conduction, making the Magnifying Hood inoperative. If they are soiled, wipe them clean with a soft, clean cloth.
- RB lenses cannot be used with this Magnifying Hood because they cannot transmit the aperture and shutter speed values (the LED does not turn on in the Viewfinder).
- When a Type D Focusing Screen (Cross Hair) is used, the AE Magnifying Hood will not indicate correct exposure because of the transparent central portion of this screen.
- If you are not using the camera with the AE Magnifying Hood attached, be sure to turn off the power switch by setting the Shutter Speed Dial of the Finder to "OFF".

## Specifications

<b>Type:</b>	Aperture-priority, shutter speed AE prism finder; manual metering is possible.
<b>Type Photo Cell:</b>	TTL spot metering in full-aperture metering with light receptor on prism side equipped with built-in Beam Splitter.
<b>Metering Range:</b>	EV 1 (F2.8, 4 sec.)—EV 18.5 (F32, 1/400 sec.) with F2.8 lens (ISO 100).
<b>Shutter Speed Range:</b>	① Auto ... 1/400—4 sec. (1/3-EV step) ② Manual ... 1/400—4 sec. (1-EV step)
<b>Aperture Range:</b>	Couples to all apertures.
<b>Film Speed Range:</b>	ISO 26—6400
<b>Exposure Compensation:</b>	$\pm 3$ EV on exposure compensation dial (1/3-EV step).
<b>Coupling to Camera:</b>	Coupling is effected by setting camera's shutter speed dial to "☉".
<b>AE Lock:</b>	AE lock function provided in Finder.
<b>Finder Information:</b>	Visual display with red LEDs indicating shutter speed, overexposure, under exposure.