

Cosina Hi-Lite

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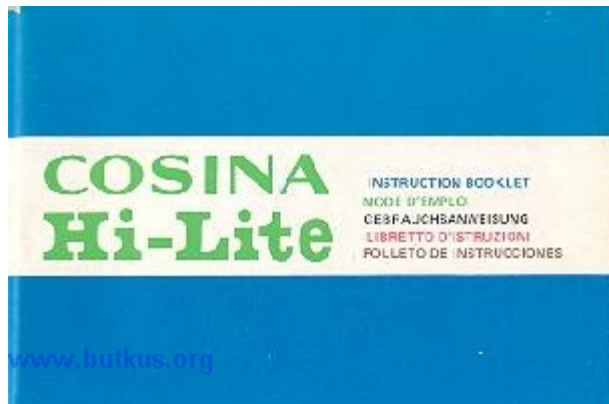
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Specifications of Cosina Hi-Lite

Lens: Auto Cosinon 50mm f/1.4 5-group 7-element lens or f/1.8 - 4 group 6-element lens or f/2.8 3-group 4-element lens; stops down to f/16

Shutter: Copal Square metal focal plane shutter with speeds from B. 1 to 1/1000 sec., self-timer; M-X synchronization.

Viewfinder: Reflex viewfinder with fresnel screen, micro split-image focusing spot; meter needle visible in the finder.

Exposure Meter: Match-needle Thru-the-Lens Cds meter couple to shutter/aperture settings; meter needle visible in the finder; ASA range 25-1600.

Film Transport: Single-stroke film wind lever advances film, sets shutter, counts exposure and prevents double exposure.

Other features: Automatic re-setting exposure counter, film type reminder and Diaphragm control lever.

Lens Shade: 52 mm slip-on type

Filter: 49 mm screw-in type (?)

Dimensions: 145 mm (W) x 96 mm (H) x 92 mm (D) w/f 1.8 lens

Weight: 725 g

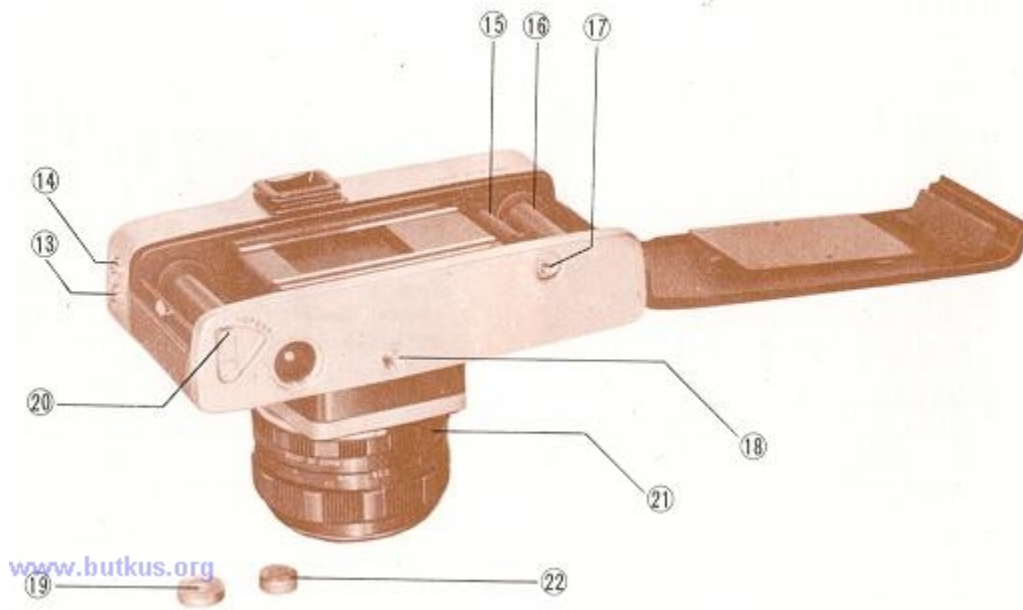




DESCRIPTION

- 1. Film wind lever
- 2. Exposure counter
- 3. Shutter release button
- 4. Self-timer lever
- 5. Shutter speed setting ring
- 6. Film speed setting dial

- 7. Film plane mark
- 8. Focusing ring.
- 9. Aperture setting ring
- 10. Film rewind knob w/crank -handle.
- 11. Film type reminder
- 12. Meter switch



13. M sync. terminal

14. X sync. terminal

15. Sprocket

16. Film take-up spool

17. film rewind button

18. Tripod socket

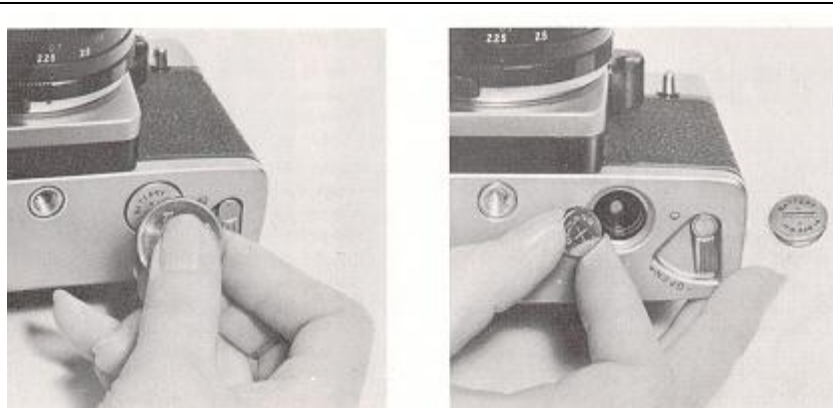
19. battery compartment cover

20. Back cover lock lever

21. Diaphragm control lever.

22. CdS Battery: Everedy E-675, Mallory RM-675, Burgess HG-675, Ray-O-Vac 675M, Toshiba H-C (TH-KC)

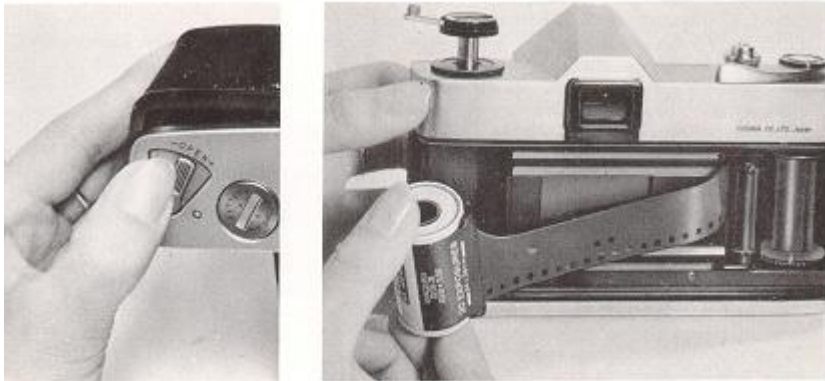
INSERTING BATTERY



1. Remove the Battery Compartment Cover by turning it in the direction of the arrow with a coin.

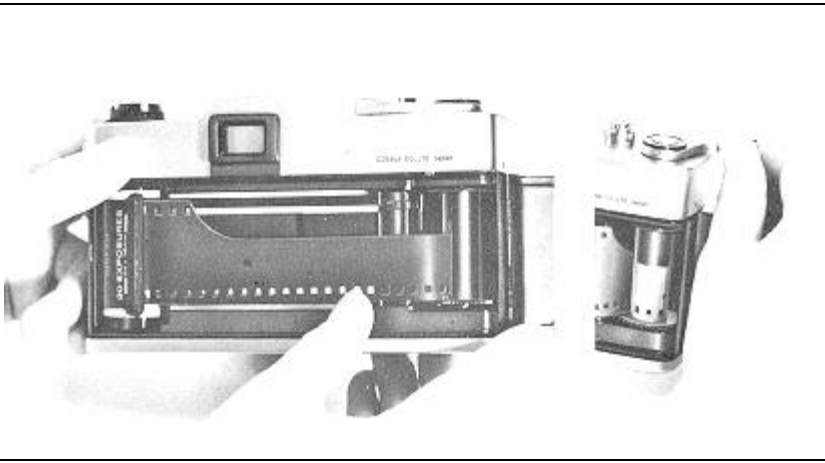
2. Install the battery in the compartment, making sure that the (-) side faces inside. Then close the Battery Compartment Cover securely.

LOADING THE FILM



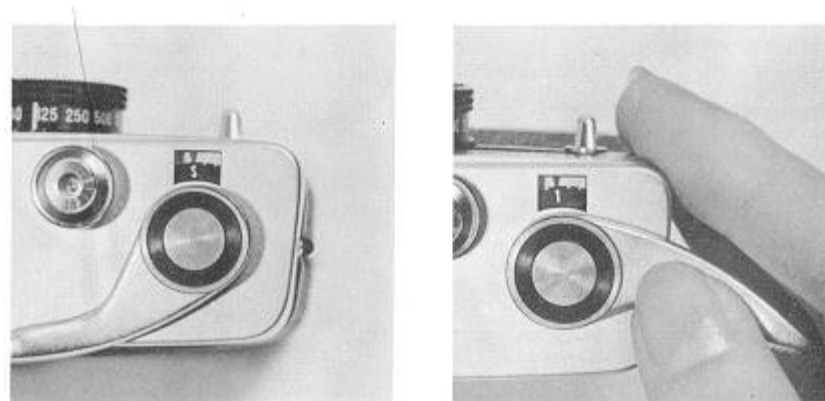
1. Pull the Back Cover Lock Lever in the direction of the arrow and the Cover springs open.

2. Pull out the Film Rewind Knob and place the film cassette in the Film Chamber. Then, push back the Film Rewind Knob. (Loading film in direct sunlight is not recommended.)



3. Insert the film leader into the Take-up Spool Slot and gently wind the film forward enough to wrap the end securely round the take-up spool. Make sure the sprocket teeth engage in the film perforations.

4. Lock the Cover by depressing it. The Exposure Counter is set at "S" (Start).



5. Advance the film by alternately winding on and depressing the Shutter Release Button until the Exposure Counter indicates the figure "1". You are then ready to shoot your first shot. The Exposure Counter shows you the number of the exposed frames.

FILM TYPE REMINDER

Make sure to set the type of the film on the Film Type Reminder, so you always know what film is in the camera.



REVERSAL: for the daylight type color film

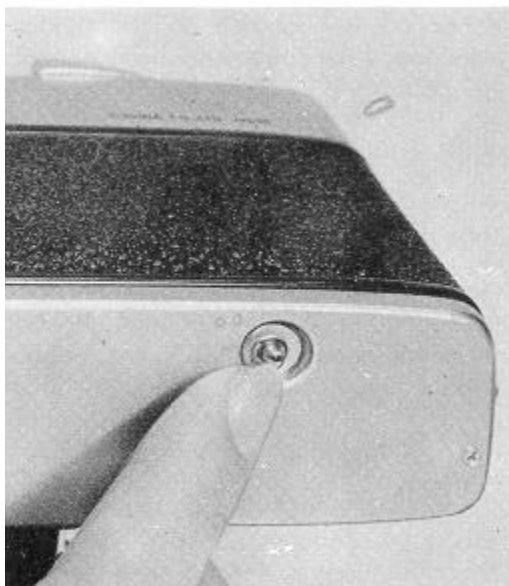
COLOR: for the universal type negative color film

COLOR: for the tungsten type color film

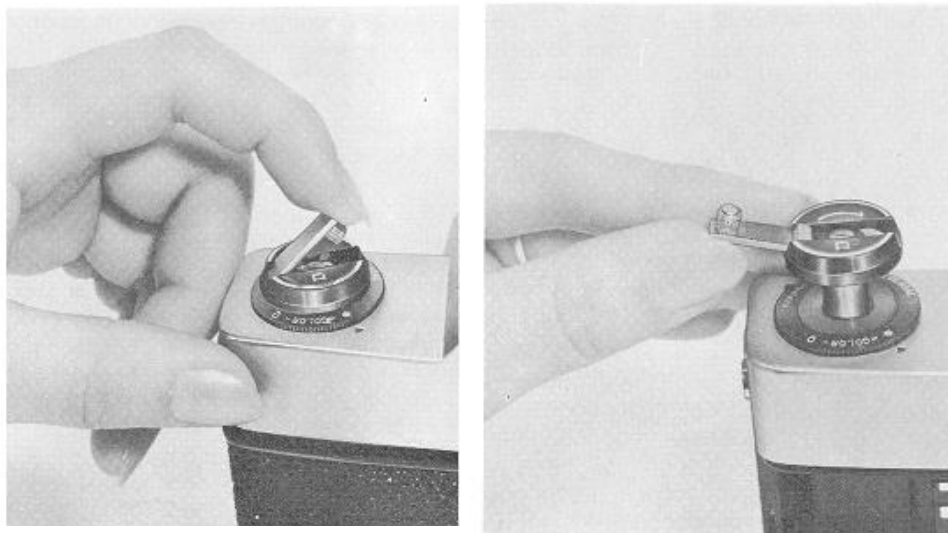
PANCHRO: for the black-and-white trim and the infra-red film.

UNLOADING THE FILM

1. When the Exposure Counter indicates the figure "20" ("36" in case of a 36-exposure film), the film has been completely exposed.



2. Push in the Film Rewind Button on the base of the camera. There is no need to keep pressing it during the rewinding operation. When the new film is wound on, the Button will pop up automatically.
3. Fold Out the Rewind Crank-Handle on the Film Rewind Knob and turn it in the direction of the arrow.



4. Before the film-end slips off the Take-up Spool, you'll feel a slight resistance, but keep turning the Crank-Handle.
5. Stop rewinding when the Crank-Handle rotates freely. Open the Back Cover and take out the exposed film.

EXPOSURE CONTROL

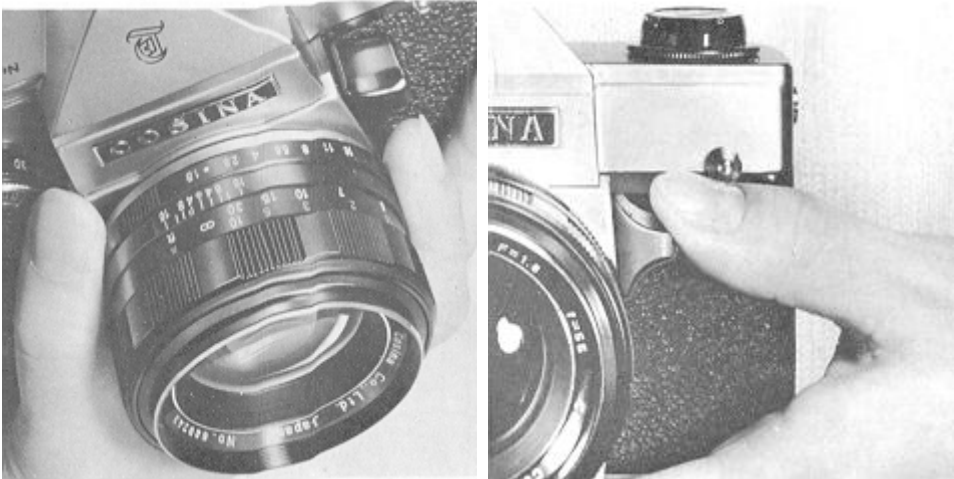
1. Film Speed Setting

Turn the Film Speed Setting Dial so that the figure or the line standing for the ASA/DIN film speed of the film in use aligns with the dot on the window. The lines between the settings on the Film Speed Setting Dial indicate the intermediate film speeds.



2. Aperture Setting

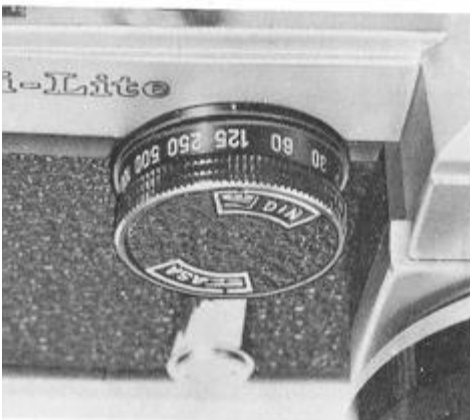
Select the desired setting by turning the Aperture Setting Ring. Depress the Meter Switch to turn 'ON' and keep it depressed.



The diaphragm is stopped down to the preselected aperture setting for measuring exposure at the taking aperture.

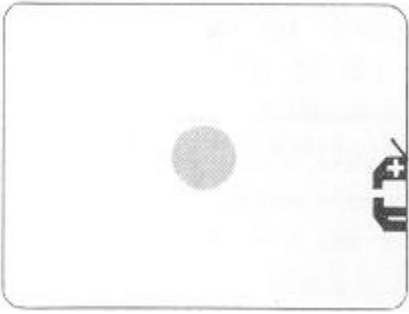
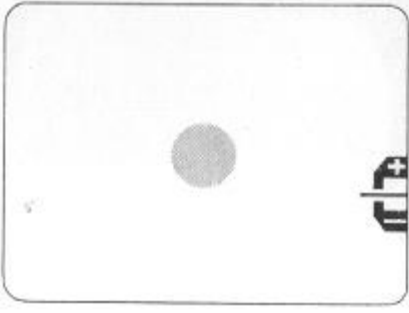
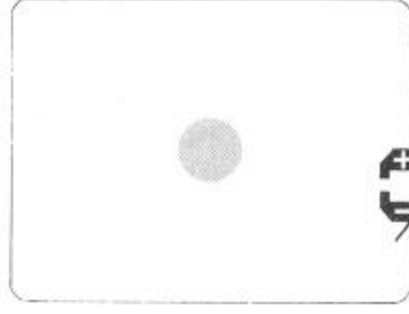
3. Shutter Speed Setting

Turn the Shutter Speed Setting Ring and center the meter needle in the viewfinder. If it fails to position in the center mark, select another shutter speed and/or aperture setting.



4. Perfect Exposure

When the needle is centered, the camera is set for correct exposure. Remove your finger from the Meter Switch and the diaphragm will open to full aperture. You can view through the finder at maximum brilliance during picture taking.

	<p>OVER-EXPOSURE When the Meter needle is in the upper held of the scale, it warns against over-exposure. Adjust the shutter speed to a faster setting or the aperture to a smaller setting.</p>
	<p>CORRECT EXPOSURE Correct exposure is obtained by centering the needle. However, check that the shutter/aperture combination is just right for the subject.</p>
	<p>UNDEREXPOSURE When the meter needle is in the lower section of the scale, it advises you of under-exposure. Select a slower shutter speed or a larger aperture.</p>

EXPOSURE FACTOR

The easy-to-read Through-the-lens metering system incorporated in the Cosina Hi-Lite measures the average brightness of the light entering through the taking lens. Consequently this system assures perfect exposure without troublesome compensation of exposure factor; even when using interchangeable lenses, filters, close-up lenses, extension tubes and bellows, etc.

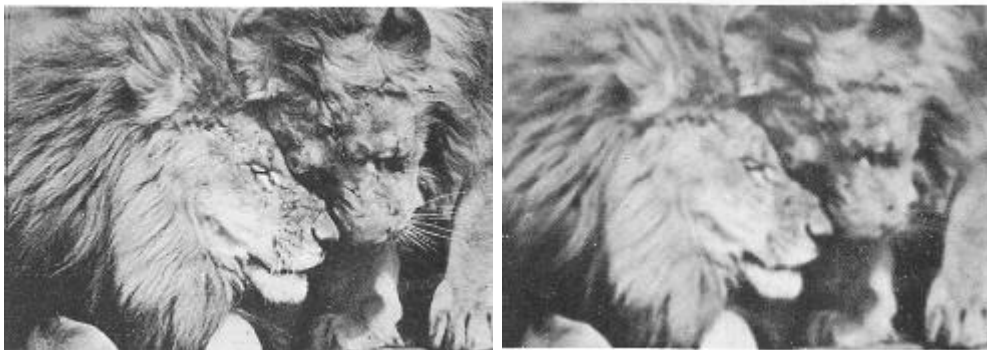
FOCUSING

1. With the fully automatic diaphragm system, the Cosina Hi-Lite permits easy and fast focusing and composition through the viewfinder at full aperture. Look through the finder and turn the Focusing Ring until the picture image on the focusing screen appears clear and crisp.
2. The micro split-image focusing spot guarantees fast and accurate focusing.



Precise focus is obtained when the picture image appears sharp and clear on the focusing spot.

3. Out of Focus: The picture image on the focusing spot appears blurred. The blurring of the picture image can be seen most conspicuously on the micro split-image focusing spot.



DEPTH OF FIELD

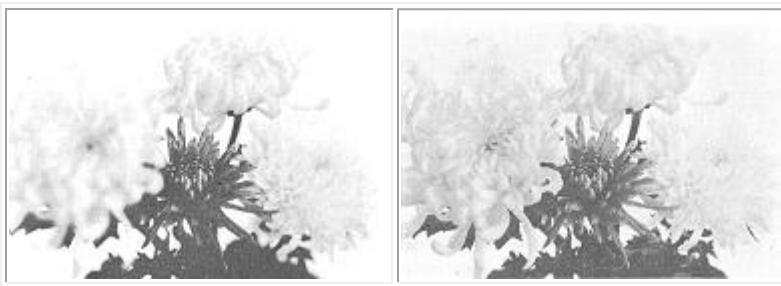
1. When you focus your camera on a subject at a given range, the area in the foreground and background over which the objects appear acceptably sharp, is called the "Depth of Field". As shown here, it is more extensive when the lens is stopped down (right photo) than at full aperture (left photo).



2. The depth of field Scale on the lens barrel lets you know the depth of field of the lens in use. If the subject is at a distance of 3.5 feet and the aperture setting is set at $f/16$, all objects within the range indicated by the figure 16 on both sides of the red index (approx. 3.1 feet to 4 feet) will appear clear in the picture (in case of $f/1.8$ lens).



3. To check the depth of field at the pre-selected aperture, push the Diaphragm Control Lever toward "M" and sight through the viewfinder.



4. Always keep the Lever at "A" position. At this setting, the diaphragm remains open to assure maximum brilliance of the image in the finder at all times.



FLASH PHOTOS

In flash photography, correct exposure is obtained by dividing the guide number of the flash unit or the flash bulb by the camera-to subject distance.

Example: Guide No. 32

Distance 4 feet

32 divided by 4 = 8 (correct aperture).

The Cosina Hi-Lite has M-X synchronization and accepts electronic flash units and M-F class bulbs.



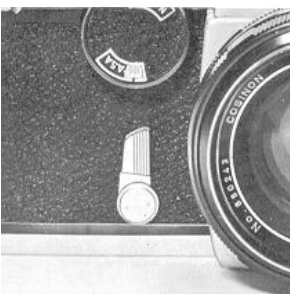
1. Electronic Flash: Synchronization at 125 setting. (at all shutter speeds from 1/125 sec. to 1 sec. and "B")

2. M class bulb synchronization at all shutter speeds.

SELF TIMER

1. Advance the film to tension the shutter.

2. Tension the Self-Timer by depressing the Self-Timer Lever all the way.



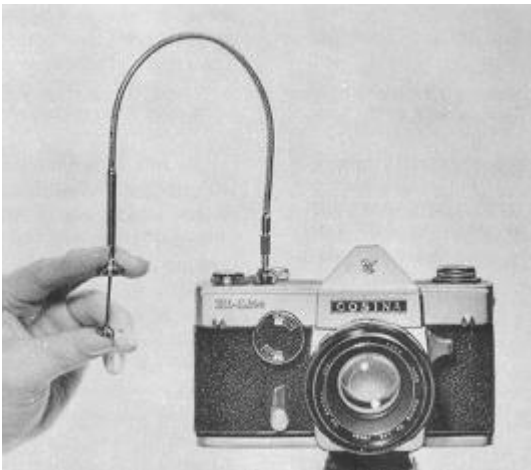
3. The Self-Timer functions when the Shutter Release Button is depressed, and trips the shutter by delayed-action after 8 seconds.

B SETTING

At the B setting, the shutter remains open for as long as the Shutter Release Button is depressed. This setting is used for long exposures under dim light conditions and for special effects.

USE OF CABLE RELEASE

The use of a cable release is recommended when using slow shutter speeds or bulb (B) exposure. Mount the camera on a tripod and screw a cable release into the socket of the Shutter Release Button.



INDEX FOR INFRA-RED RAY PHOTOGRAPHY

The red index on the right side of the focusing index mark is used when taking a picture on an infra-red ray film. Focus the camera on your subject in the ordinary manner and set the distance reading to this red index.

FILM PLANE MARK

The red mark on the camera top indicates the position of the film plane. In close-up photography, it is advisable to measure the distance from this mark to the subject in order to secure the most accurate focus.

LENS INTERCHANGEABILITY

A feature of the Cosina Hi-Life is its thread mount for interchangeable lenses. It accepts a large variety of interchangeable lenses from wide-angle to telephoto. Mounting is very easy. Whatever lens is mounted on your camera, the precise Thru-the-Lens metering system and the luminous viewfinder remain unchanged.



ACCESSORIES

Cosina offers a wide range of top quality accessories for your Hi-Lite. These accessories will not affect the easy-to-use Cds Metering system but add to the versatility of the camera and also extend the scope of your picture-taking from microphotography to macrophotography.