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Camera Shops

MC3
200

MIRANDA



F1.9 5cm
AUTOMATIC LENS

MIRANDA CAMERA CO., LTD.

Tokyo Japan

MIRANDA AUTOMATIC LENS

(f: 1.9 5 cm. focal length)



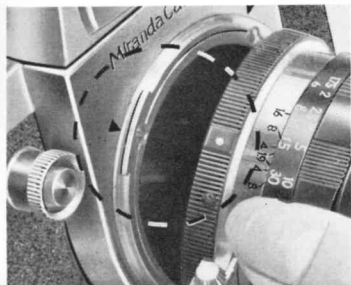
This lens is a special product, with an iris diaphragm which functions in synchronization with the focal plane shutter. You view and focus with the lens wide open at $f 1.9$, then as you press the shutter release button, the diaphragm shuts down automatically to the selected aperture. When you release your finger pressure from the shutter button after taking a picture, the diaphragm automatically returns to its wide open position.

Recently designed and made of rare earth high refractive glass, the lens is of 4 group, 6 elements construction. It is substantially free of all aberrations, and will give extremely fine results with color film. This objective is hard coated, and is designed to permit accurate focusing down to a distance of only 17 inches, permitting the taking of detailed photographs of flowers, printed matter, etc. without attachments. A control button is provided which disconnect the automatic diaphragm mechanism and puts the diaphragm under manual control the same as any ordinary non-automatic lens. With the MIRANDA automatic diaphragm system it is not necessary to operate a sweep lever after every exposure in order to get the diaphragm open for the next picture.

HOW TO OPERATE THE AUTOMATIC LENS

REMOVING AND MOUNTING THE LENS

Press the locking claw on the lens barrel, and you may remove the lens with only a $1/8$ th counter-clockwise turn. When attaching a lens, you simply have to align the red dot on the lens to the red triangular mark on the upper left of the bayonet mount of the camera. A $1/8$ th turn of the lens clockwise attaches it to the body precisely by means of the bayonet mount.



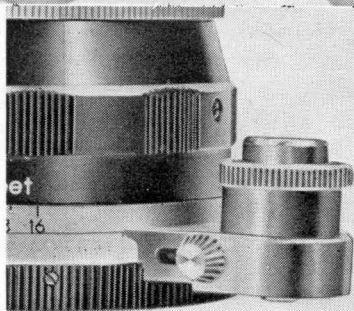
SETTING THE DIAPHRAGM

Set the desired aperture opposite the red dot on the top of the lens by rotating the diaphragm setting ring. Click stops are provided at the full stops.

The diaphragm of the MIRANDA is fully automatic in operation when the automatic diaphragm control button is in its position farthest away from the lens. When the control button is closest to the lens, the diaphragm is controlled manually.

Under all ordinary circumstances, use of the automatic diaphragm will make picture taking much easier and faster. When the control button is set for automatic operation, the diaphragm will remain wide open to facilitate viewing and focusing until the shutter released. The diaphragm will then close down to the desired opening for the time the picture is being taken, and will then automatically reopen again to its wide open position as soon as pressure on the shutter button is released.

When the diaphragm control button is set for manual operation, the automatic mechanism is disconnected and the diaphragm opens and closes as the diaphragm setting ring is turned. This makes checking the depth of field before taking a picture very easy for the photographer.



TAKING CLOSE-UP PICTURES WITH THE AU

The 5 cm. Automatic Lens will focus at a distance as close as 17 inches without an accessory. By adding an extension adapter between the camera and the lens, pictures can be taken from 17 inches to 10 inches. To take pictures at still closer distances, extension tubes are added between the extension adapter and the camera. The tubes are supplied in lengths of 8, 16 and 32 mm. and enable the photographer to take full frame pictures of subjects the size of postage stamps, and even smaller.

When using extension tubes the automatic lens will not couple with the shutter release. In this case, it is suggested that two cable releases be used, one on the lens to close the diaphragm and one on the camera to trip the shutter. This will preserve the advantages of the automatic lens for close-up photography. The shutter can be released by using a cable release with a Leica-type fitting at the shutter release button in front; in this case it will be more convenient if the lens is mounted with the red dot on the lens lined up with the blue (instead of the red) dot on the extension adapter.

UTOMATIC LENS

Extension
Adapter

Extens
32 mm.

Botkus, vs

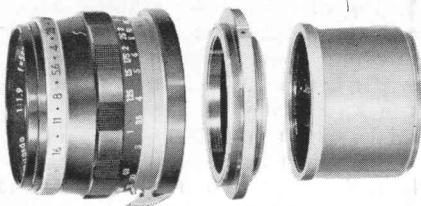


Table for Use with Extension Adapter

Extension Adapt. and Tubes (length of tubes in mm.)	Total length including Adapter (in mm.)	Field of View Covered (in mm.)
Adapter only	8	156 by 234
Adapter and 8	16	78 by 117
" 16	24	52 by 78
" 8+16	32	40 by 60
" 32	40	32 by 48
" 8+32	48	26 by 39
" 16+32	56	24 by 36
" 8+16+32	64	20 by 30