

mamiya/sekor

600mm f/8

OPERATING INSTRUCTIONS


Mamiya
CAMERA CO., LTD.

for mamiya/sekor
DSX, MSX,
DTL or TL series

SPECIFICATIONS

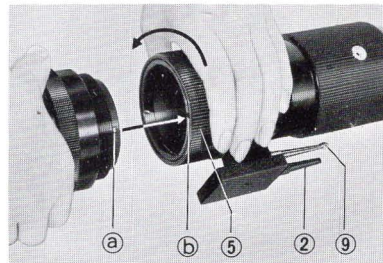


Focal Length: 600 mm
Construction: 3 Elements, 3 Groups
Angle of View: 4°
Aperture Range: f/8—32
Operating Mode: Preset
Lens Accessory Size: 41.27 mm
Drop-in Ser. VI

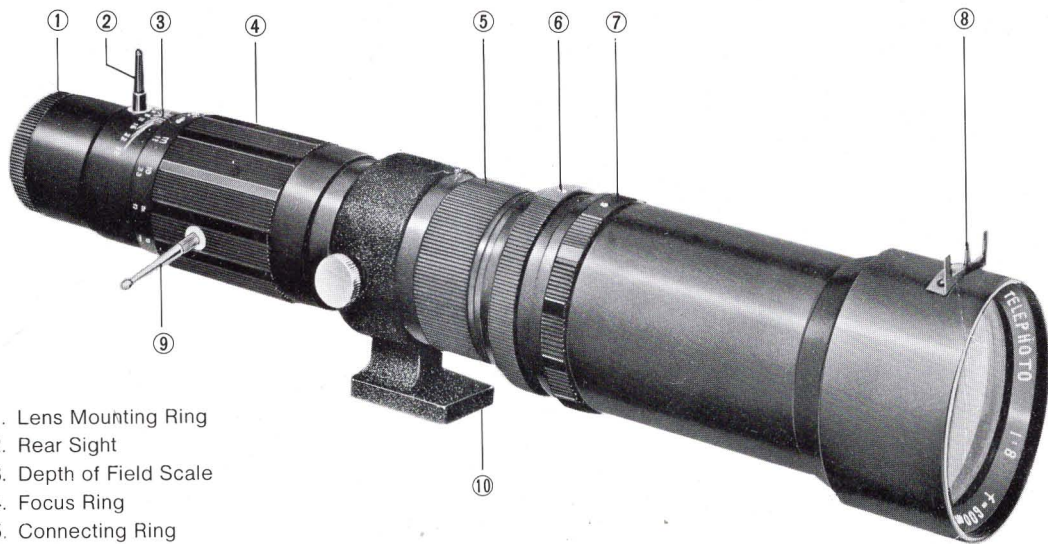
Tripod Socket: Yes
Lens Hood: Screw-in
Length: 1 ft. 7-11/64 inches, 487 mm
Maximum Barrel Diameter:
3-45/64 inches, 94 mm
Weight: 4 lbs. 4-13/16 ozs.,
1950 grams

Assembling the Lens

To connect the separated lens barrels, match the pin (a) and groove (b), then turn the connecting ring (5) in the direction of the arrow until it's tight. Remove the sight (2) and focus lever (9), and screw them onto the lens barrel as shown the photo on page 2.



DESCRIPTION OF PARTS



1. Lens Mounting Ring
2. Rear Sight
3. Depth of Field Scale
4. Focus Ring
5. Connecting Ring
6. Aperture Ring
7. Preset Ring
8. Foresight
9. Focus Lever
10. Tripod Socket

OPERATING INSTRUCTIONS

Setting the Lens

Stop Down Method: Press the film advance lever in towards the camera body as far as it will go. Rotate the aperture ring until the meter needle is centered between the open ends of the index mark. You are now ready to take a perfectly exposed photograph.

Fitting the Filter

Use a drop-in series filter VI (41.27 mm diam.) for this lens. To fit the filter, unscrew the lens mounting ring counterclockwise, removing it from the lens barrel. After taking off, the retaining ring from inside the lens body turning it counterclockwise, insert the filter into the lens barrel. Tightly secure the retaining ring and lens mounting ring to their previous positions.

Tripod Socket

Your telephoto lens is supplied with a rotating tripod socket. A tripod should be used whenever possible to minimize camera movement or camera shake which can cause blurred pictures.

Depth of Field

The apparent depth of sharpness when focusing on a subject is determined by the focal length of the lens and the f/stop selected. A wide angle lens appears to have a greater depth of sharpness, while a telephoto lens appears to have a very narrow and selective depth of sharp focus. By stopping a lens down, e.g. from f/8 to 32, this apparent depth of sharpness can be increased. The depth of field table on the following page can be used as a guide to help you select the proper in-focus depth for your particular needs. Depth of field can produce very creative results if properly used.

Important: Always use front and rear lens caps on lenses when not in use to protect them from dust and damage.

DEPTH OF FIELD TABLE

600 mm f/8

Aperture	Distance in Feet									
	∞	500	300	200	150	100	70	50	40	33
8	4923'	454'	283'	192'	146'	98' 1"	69' 1"	49' 7"	39' 9"	32' 10"
	∞	556'	319'	208'	155'	102'	70' 11"	50' 5"	40' 3"	33' 2"
11	3482'	438'	277'	189'	144'	97' 4"	68' 9"	49' 4"	39' 7"	32' 9"
	∞	583'	328'	212'	156'	103'	71' 4"	50' 8"	40' 5"	33' 3"
16	2463'	416'	268'	185'	142'	96' 4"	68' 3"	49' 1"	39' 5"	32' 8"
	∞	626'	341'	217'	159'	104'	71' 10"	50' 11"	40' 7"	33' 4"
22	1742'	390'	257'	180'	139'	94' 10"	67' 6"	48' 9"	39' 3"	32' 6"
	∞	699'	361'	225'	164'	106'	72' 8"	51' 4"	40' 10"	33' 6"
32	1232'	357'	242'	173'	134'	92' 11"	66' 6"	48' 3"	38' 11"	32' 3"
	∞	836'	394'	238'	170'	108'	73' 10"	51' 10"	41' 2"	33' 9"

DEPTH OF FIELD TABLE

600 mm f/8

Aperture	Distance in Meter									
	∞	200	100	70	50	30	20	15	12	10
8	1500	176.6	93.85	66.95	48.44	29.44	19.76	14.86	11.91	9.94
	∞	230.4	107.00	73.33	51.66	30.57	20.24	15.13	12.08	10.05
11	1061	168.5	91.53	65.77	47.82	29.22	19.66	14.81	11.88	9.92
	∞	245.9	110.20	74.81	52.38	30.81	20.34	15.18	12.11	10.07
16	750	158.2	88.43	64.16	46.98	28.91	19.52	14.74	11.83	9.89
	∞	271.9	115.07	77.00	53.43	31.17	20.49	15.26	12.16	10.11
22	530	145.6	84.39	62.03	45.83	28.48	19.33	14.63	11.77	9.84
	∞	319.5	122.75	80.34	55.00	31.68	20.71	15.38	12.23	10.15
32	375	130.9	79.27	59.24	44.31	27.90	19.07	14.49	11.68	9.78
	∞	424.9	135.55	85.59	57.38	32.44	21.02	15.54	12.33	10.22