



LENS DATA: 35mm f/1.8 MC ROKKOR

### 35mm f/1.8 MC ROKKOR

*Lens construction:* 8 elements, 6 groups  
*Apertures:* 1.8~16, intermediate stops from 2.8  
*Nearest focus:* 0.3m (1 ft)  
*Ratio of object to image size at nearest focusing distance:* 1:5.4 (0.184X)  
*Focusing distance, one head, vertical:* 0.5m (1.7 ft)—subject to perspective distortion  
*Focusing distance, two heads, horizontal:* 0.6m (2.1 ft)—subject to perspective distortion  
*Focusing distance, one to three persons*

*(6 ft) standing:* 2.1m (7 ft)  
*Angles of view:* Diagonal: 64°  
 Horizontal: 54°  
 Vertical: 38°  
*Ratio of image size at infinity to image of standard lens (55 or 58mm = 1):* 1:1.67 (0.6X)  
*Screw-in filter mount diameter:* 55mm  
*Lens hood:* Exclusive angle (Minolta-type)  
*Replacement lens cap:* 57mm  
*Weight:* 420g (14.8 oz)

#### Close-Up Data

Extension Rings	Magnification	Distance Range—Subject to Film		
50mm Macro ring (+25mm)	0.74~0.92×	174.63~171.68mm		
100mm Macro ring (+50mm)	1.43~1.61×	179.52 ~ 175.96mm		
Reverse adapter	1.4×	176.0mm (6.93")		
Bellows Data	Auto Bellows I	Auto Bellows II	Bellows III	
a. Distance to subject from lens edge (normal position)	26.81~4.71mm	19.79~5.91mm	24.46~4.37mm	
Magnification (image ratio) range	1.11~4.56×	1.19~3.90×	1.03~4.61×	
b. Distance to subject from lens edge set at infinity (reversed)	49.3~42.04mm	48.93~43.01mm	49.59~42.09mm	
Magnification (image ratio) range	2.72~5.97×	2.79~5.32×	2.63~6.03×	

Close-Up Lenses	Magnification	Area Range	Distance Range
No. 1	0.072~0.245×	332×498~97×147mm	613~259mm
No. 2	0.133~0.301×	181×272~80×120mm	389~236mm
No. 1+2	0.199~0.356×	120×180~67×101mm	307~224mm

DEPTH-OF-FIELD TABLES FOR 35mm f/1.8 MC ROKKOR

(in feet)

Dis ft / F No.	1.8	2.8	4	5.6	8	11	16
∞	65' 9"	42' 10"	30' 4"	21' 6"	15' 3"	10' 11"	7' 9"
20	28' 6" 15' 5"	36' 11" 13' 9"	57' 2" 12' 2"	256' 10' 6"	8' 10"	∞ 7' 2"	∞ 5' 8 3/4"
10	11' 8" 8' 8 3/4"	12' 10" 8' 2 1/4"	14' 7" 7' 7 1/2"	18' 1" 6' 11"	27' 6" 6' 2 1/2"	105' 5' 4 1/4"	∞ 4' 6"
7	7' 9 1/4" 7' 4 3/8"	8' 3 3/8" 6' 1"	8' 11" 5' 9 1/4"	10' 1" 5' 4 1/2"	12' 4 1/2" 4' 11"	18' 4" 4' 4 3/4"	58' 11" 3' 9 3/4"
5	5' 4 3/8" 4' 8 1/8"	5' 7" 4' 6 1/4"	5' 10" 4' 4 1/4"	6' 4 1/8" 4' 1 1/4"	7' 1 1/4" 3' 11"	8' 8 3/8" 3' 6 1/2"	12' 9" 3' 2"
4	4' 2" 3' 9 1/2"	4' 4 1/4" 3' 3 3/8"	4' 6 1/4" 3' 7"	4' 9 3/8" 3' 5 1/4"	5' 2 1/8" 3' 3 3/8"	6' 0" 3' 3/8"	7' 7" 2' 9 1/2"
3	3' 1 3/8" 2' 11"	3' 2 1/4" 2' 10"	3' 3 1/4" 2' 9 1/4"	3' 4 3/8" 2' 8 1/4"	3' 7 3/8" 2' 7 3/8"	3' 11" 2' 5 1/4"	4' 6 1/4" 2' 3 1/4"
2.5	2' 6" 2' 5 1/8"	2' 7 1/2" 2' 4"	2' 8 3/8" 2' 4 1/8"	2' 9 1/8" 2' 3 3/8"	2' 11" 2' 2 1/2"	4' 0" 2' 1 3/8"	3' 5" 1' 11"
2	2' 1/2" 1' 11"	2' 0" 1' 11"	2' 1 1/4" 1' 11"	2' 1 3/4" 1' 10"	2' 2" 1' 9"	2' 3" 1' 9 1/8"	2' 6" 1' 8 1/2"
1.5	1' 6 1/4" 1' 5"	1' 6 3/8" 1' 5 1/2"	1' 6 1/2" 1' 5 3/8"	1' 6 3/4" 1' 5 1/2"	1' 7 1/4" 1' 4 3/4"	1' 7 3/8" 1' 4 1/2"	1' 8 3/4" 1' 4"
1.25	1' 3 1/2" 1' 2 3/8"	1' 3 1/4" 1' 2 3/4"	1' 3 3/8" 1' 2 3/8"	1' 3 3/4" 1' 2 3/4"	1' 3 3/8" 1' 2 1/4"	1' 4 1/8" 1' 2"	1' 4 1/4" 1' 1 3/4"
1.0	1' 11 1/8"	1' 1/8" 11 1/8"	1' 1/8" 11 1/4"	1' 1/4" 11 1/4"	1' 3/8" 11 1/8"	1' 1/2" 11 1/2"	1' 3/4" 11 1/4"

(in meters)

Dis (m) / F No.	1.8	2.8	4	5.6	8	11	16
∞	20	13.1	9.25	6.56	4.66	3.32	2.36
5	6.60 4.03	7.98 3.65	10.6 3.28	20.1 2.88	∞ 2.45	∞ 2.03	∞ 1.64
3	3.50 2.63	3.84 2.47	4.35 2.30	5.36 2.10	8.01 1.87	27.2 1.62	∞ 1.36
2	2.20 1.83	2.33 1.75	2.50 1.67	2.80 1.56	3.36 1.43	4.71 1.29	11.2 1.13
1.5	1.61 1.41	1.67 1.36	1.76 1.31	1.89 1.25	2.13 1.17	2.58 1.07	3.73 0.96
1.2	1.27 1.14	1.30 1.11	1.35 1.08	1.43 1.04	1.56 0.98	1.78 0.91	2.24 0.83
1	1.04 0.96	1.07 0.94	1.10 0.92	1.15 0.89	1.23 0.85	1.36 0.80	1.60 0.74
0.8	0.83 0.78	0.84 0.76	0.86 0.75	0.89 0.73	0.93 0.70	1.00 0.67	1.12 0.63
0.6	0.61 0.59	0.62 0.58	0.63 0.57	0.64 0.56	0.66 0.55	0.70 0.53	0.75 0.51
0.5	0.51 0.49	0.51 0.49	0.52 0.48	0.53 0.47	0.54 0.47	0.56 0.45	0.59 0.44
0.4	0.41 0.40	0.41 0.39	0.41 0.39	0.42 0.39	0.42 0.38	0.43 0.37	0.45 0.36
0.3	0.30 0.30	0.30 0.30	0.31 0.29	0.31 0.29	0.31 0.29	0.31 0.29	0.32 0.28