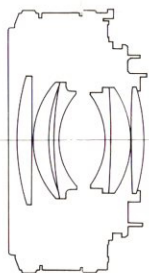


Nikon Series F 50mm f/1.8

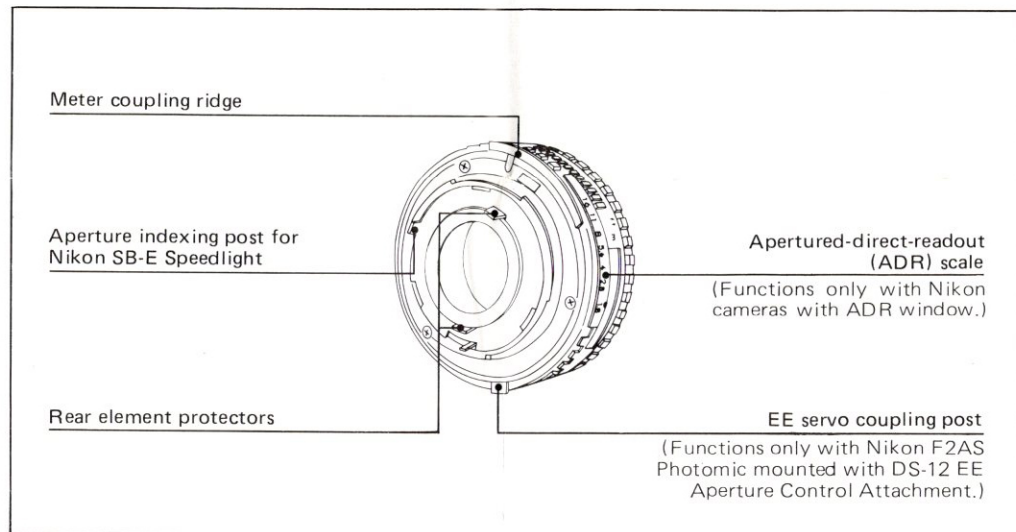


This newly developed modified-Gauss-type standard lens is remarkably compact and light, making it ideal for general picture-taking situations. It extends a mere 24mm from the camera's lens mounting flange. Despite drastic reductions in size and weight, however, the lens offers a high resolving power and excellent picture contrast, and you can focus it down to 0.6m (2 ft). All air-to-glass surfaces have been coated for faithful color rendition with color films. Other features of this lens are automatic maximum aperture indexing (AI) with AI-type Nikon and Nikkormat cameras including the EM, a secondary lens aperture scale for aperture direct readout (ADR) in the viewfinder of suitably equipped cameras—plus an attachment size of 52mm which assures use of the 52mm filters and accessories designed for Nikkor lenses.

Specifications

Focal length 50mm
Maximum aperture f/1.8
Lens construction 6 elements in 5 groups
Picture angle 46°
Distance scale Graduated in meters and feet from 0.6m (2.25 ft) to infinity (∞)
Aperture scale f/1.8 ~ f/22; secondary ADR scale provided
Diaphragm Fully automatic

Exposure measurement Via full-aperture method with AI cameras; via stop-down method with non-AI cameras
Mount Nikon bayonet type
Attachment size 52mm (P = 0.75mm)
Dimensions Nikon bayonet type 62.5mm dia. x 33mm long; 24mm extension from camera's lens mounting flange
Weight 135g



Focused distance	Depth of field								Reproduction ratio
	f/1.8	f/2	f/2.8	f/4	f/5.6	f/8	f/11	f/16	f/22
2.25	2'2-11/16"- 2'3-1/4"	2'2-5/8"- 2'3-5/16"	2'2-1/2"- 2'3-7/16"	2'2-5/8"- 2'3-5/8"	2'2-1/16"- 2'3-15/16"	2'1-11/16"- 2'4-3/8"	2'1-1/4"- 2'4-15/16"	2'9/16"- 2'6"	1'11-13/16"- 2'7-5/16"
3	2'11-3/8"- 3'9/16"	2'11-5/16"- 3'5/8"	2'11-1/16"- 3'7/8"	2'10-3/4"- 3'1-5/16"	2'10-1/4"- 3'1-7/8"	2'9-9/16"- 3'2-13/16"	2'8-3/4"- 3'4"	2'7-1/2"- 3'6-3/16"	2'6-1/8"- 3'9-3/16"
4	3'10-7/8"- 4'1-1/8"	3'10-3/4"- 4'1-1/4"	3'10-5/16"- 4'1-3/4"	3'9-5/8"- 4'2-9/16"	3'8-3/4"- 4'3-11/16"	3'7-9/16"- 4'5-1/2"	3'6-1/8"- 4'7-15/16"	3'3-15/16"- 5'5/8"	3'1-5/8"- 5'7-1/2"
7	6'8-7/16"- 7'3-13/16"	6'8-1/16"- 7'4-1/4"	6'6-5/8"- 7'6-1/8"	6'4-9/16"- 7'9-1/16"	6'2"- 8'1-1/4"	5'10-7/16"- 8'8-7/16"	5'6-7/16"- 9'7-1/16"	5'13/16"- 11'6-15/16"	4'7-1/4"- 15'5-3/4"
20	17'7-7/8"- 23'7/8"	17'5-1/8"- 23'5-11/16"	16'7"- 25'2-13/16"	15'5-7/16"- 28'5-1/4"	14'2-1/8"- 34'3-1/8"	12'7-3/8"- 49'6-3/4"	11'1-3/8"- 113'1-15/16"	9'3-3/16"- ∞	7'8-15/16"- ∞
∞	145'11-1/8"- ∞	131'4-3/8"- ∞	93'11-1/8"- ∞	65'10-1/8"- ∞	47'1-1/2"- ∞	33'1"- ∞	24'1-13/16"- ∞	16'8-7/16"- ∞	12'2-13/16"- ∞

Focused distance	Depth of field								Reproduction ratio
	f/1.8	f/2	f/2.8	f/4	f/5.6	f/8	f/11	f/16	f/22
0.6	0.594— 0.606	0.593— 0.607	0.591— 0.610	0.587— 0.614	0.582— 0.620	0.574— 0.629	0.565— 0.640	0.551— 0.661	0.535— 0.688
0.8	0.788— 0.812	0.787— 0.813	0.782— 0.819	0.775— 0.827	0.765— 0.839	0.751— 0.856	0.735— 0.880	0.709— 0.923	0.681— 0.981
1	0.981— 1.02	0.979— 1.02	0.971— 1.03	0.959— 1.04	0.944— 1.06	0.922— 1.09	0.896— 1.13	0.857— 1.21	0.814— 1.32
1.5	1.46— 1.55	1.45— 1.55	1.43— 1.57	1.41— 1.61	1.37— 1.66	1.32— 1.74	1.27— 1.85	1.19— 2.07	1.10— 2.43
3	2.82— 3.21	2.80— 3.23	2.73— 3.33	2.63— 3.50	2.50— 3.76	2.34— 4.22	2.16— 4.98	1.92— 7.19	1.70— 15.6
∞	44.5— ∞	40.0— ∞	28.6— ∞	20.1— ∞	14.4— ∞	10.1— ∞	7.36— ∞	5.09— ∞	3.73— ∞

Close-up attachment	Lens in normal position			Lens in reverse position		
	Reproduction ratio	Subject field	Focused distance	Reproduction ratio	Subject field	Focused distance
Close-Up Lens No. 0	1/27—1/7.0	25.9 x 38.8— 6.6 x 9.9	58.6—18.1			
Close-Up Lens No. 1	1/13—1/5.4	12.3 x 18.5— 5.1 x 7.7	29.7—14.9			
Close-Up Lens No. 2	1/6.6—1/3.8	6.2 x 9.3— 3.6 x 5.4	16.5—11.4			
E2 Ring	1/3.7—1/2.7	3.5 x 5.2— 2.5 x 3.8	12.0—10.1			
* K Ring Set	1/8.9—1.0	8.4 x 12.6— 0.94 x 1.4	22.2—8.0			
** PK-Series Rings	1/6.4—1.1	6.1 x 9.1— 0.89 x 1.3	17.3—8.0			
Bellows PB-4, PB-5	1/1.2—3.6	1.1 x 1.7— 0.26 x 0.40	8.0—11.8	1.3—4.0	0.75 x 1.1— 0.24 x 0.35	8.1—12.6
Bellows PB-6 (PB-6P)	1/1.1—4.0	1.0 x 1.5— 0.23 x 0.35	8.0—12.6	1.1—3.9	0.89 x 1.3— 0.24 x 0.36	8.0—12.4
*** Slide Copying Adapter PS-4, PS-5	1/1.2—3.6	1.1 x 1.7— 0.26 x 0.40	8.0—11.8	1.3—4.0	0.75 x 1.1— 0.24 x 0.35	8.1—12.6
Slide Copying Adapter PS-6	1/1.1—2.9	1.0 x 1.5— 0.33 x 0.49	8.0—10.5	1.1—2.9	0.89 x 1.3— 0.33 x 0.49	8.0—10.5
Macro Copy Stand PB-6M	1/1.1—2.9	1.0 x 1.5— 0.32 x 0.48	8.0—10.6	1.1—2.9	0.89 x 1.3— 0.32 x 0.48	8.0—10.6
Extension Bellows PB-6E	1/1.1—8.5	1.0 x 1.5— 0.11 x 0.17	8.0—21.4	1.1—8.4	0.89 x 1.34— 0.11 x 0.17	8.0—21.2
**** Reprocopy Outfit PF-2, PF-3	1/15—1/9.6	13.7 x 20.6— 9.1 x 13.3	33.6—23.6			

* The first values are for the K1 ring used alone and the second ones for all five rings used together.

** The first values are for the PK-1 or PK-11 ring used alone and the second ones for three rings (PK-1 ~ PK-3 or PK-11 ~ PK-13) used together.

*** The Macro Ring Adapter BR-3 is used to connect the reverse mounted lens to the copying adapter.

**** The figures shown here represent the ranges obtained with the subject on the baseplate, using the lens without any close-up attachment.

Close-up attachment	Lens in normal position			Lens in reverse position		
	Reproduction ratio	Subject field	Focused distance	Reproduction ratio	Subject field	Focused distance
Close-Up Lens No. 0	1/27–1/7.0	65.7 × 98.5– 16.8 × 25.2	149–46.1			
Close-Up Lens No. 1	1/13–1/5.4	31.3 × 47.0– 13.0 × 19.6	75.6–37.8			
Close-Up Lens No. 2	1/6.6–1/3.8	15.7 × 23.6– 9.1 × 13.7	41.9–29.0			
E2 Ring	1/3.7–1/2.7	8.8 × 13.3– 6.4 × 9.6	30.4–25.6			
* K Ring Set	1/8.9–1.0	21.4 × 32.0– 2.4 × 3.6	56.4–20.3			
** PK-Series Rings	1/6.4–1.1	15.5 × 23.2– 2.3 × 3.4	44.0–20.3			
Bellows PB-4, PB-5	1/1.2–3.6	2.9 × 4.3– 0.67 × 1.0	20.4–29.9	1.3–4.0	1.9 × 2.9– 0.60 × 0.90	20.5–31.9
Bellows PB-6	1/1.1–4.0	2.6 × 3.9– 0.60 × 0.89	20.3–32.0	1.1–3.9	2.3 × 3.4– 0.61 × 0.92	20.3–31.4
*** Slide Copying Adapter PS-4, PS-5	1/1.2–3.6	2.9 × 4.3– 0.67 × 1.0	20.4–29.9	1.3–4.0	1.9 × 2.9– 0.60 × 0.90	20.5–31.9
Slide Copying Adapter PS-6	1/1.1–2.9	2.6 × 3.9– 0.83 × 1.3	20.3–26.6	1.1–2.9	2.3 × 3.4– 0.83 × 1.3	20.3–26.6
Macro Copy Stand PB-6M	1/1.1–2.9	2.6 × 3.9– 0.81 × 1.2	20.3–26.9	1.1–2.9	2.3 × 3.4– 0.81 × 1.22	20.3–26.9
Extension Bellows PB-6E	1/1.1–8.5	2.6 × 3.9– 0.28 × 0.42	20.3–54.4	1.1–8.4	2.3 × 3.4– 0.29 × 0.43	20.3–53.7
**** Reprocopy Outfit PF-2, PF-3	1/15–1/9.6	34.9 × 52.3– 23.0 × 34.5	85.3–60.0			

* The first values are for the K1 ring used alone and the second ones for all five rings used together.

** The first values are for the PK-1 or PK-11 ring used alone and the second ones for three rings (PK-1 ~ PK-3 or PK-11 ~ PK-13) used together.

*** The Macro Ring Adapter BR-3 is used to connect the reverse mounted lens to the copying adapter.

**** The figures shown here represent the ranges obtained with the subject on the baseplate, using the lens without any close-up attachment.