The Schneider lenses of the XENAR series are worldrenowned as standard lenses used by professional photographers in press and advertising photography as well as portraiture.

Designed as four-element, three-component systems, they give brilliant pictures in full natural color. Their carefully balanced correction ensures outstanding image quality. As a result, reasonably priced and versatile XENAR lenses can be found as standard equipment in many professional cameras.

By comparison with f/3.5 and f/4.5 XENAR lenses with focal lengths from 100 to 360 mm, the versions described here offer an additional bonus: the same high performance for less money!

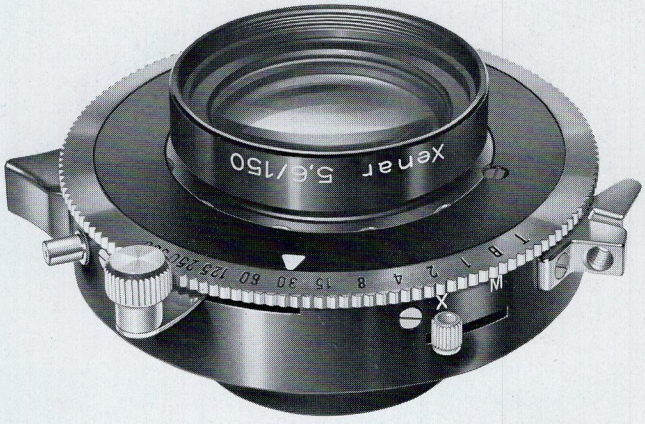
The new types of XENAR lenses have become possible by reducing their relative aperture to f/5.6 and f/6.1 and using Copal shutters.

The new XENAR lens of 300 mm focal length is ideally suited as a long-focus lens for studio work and for use of 8″–10″ Polacolor II material.

Wherever high speed and extreme camera movements are not required, the new XENAR lenses will be found the ideal choise: time-tried designs of outstanding performance at budget prices.

XENAR

5,6/150 · 6,1/210 · 5,6/300

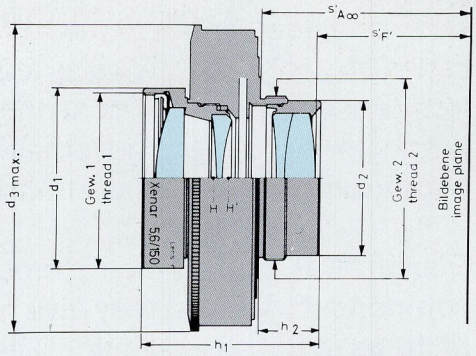


Schneider

CAMERA LENSES

XENAR

The lens drawing with dimensions will assist in the selection of the Schneider XENAR lens best suited for each particular application. Essential optical and mechanical data are summarized in this table.



optical / mechanical sectional drawing of Xenar 5.6/150 in Copal 0

Focal length (mm)	150	210	300
Relative aperture	1:5.6	1:6.1	1:5.6
Angle of view (degrees) at largest aperture	55	55	55
Image circle ∅ (mm) at largest aperture	156	225	313
Angle of view (degrees) at f/22	60	60	60
Image circle ∅(mm)at f/22	173	249	347
Recommended format size in mm	90 × 120	130 × 180	180 × 240
Format diagonal in mm	141	210.1	287.4
Recommended format size in inches	4 × 5	5 × 7	8 × 10
Format diagonal in mm	153.7	208.7	312.5
Accessory thread ∅ (mm) filter code	34 E	46 ES	67 ES
Schneider gelatin filter holder*	–	–	II
Intermediate ring (for filter holder)*	–	–	IIc

Lens displacements in mm, at f/22, at infinity (actual format, mm × mm)		150	210	300
2¼″ × 3¼″ (51 × 77)	♦	52		
	◆	44		
Ideal- format (56 × 72)	♦	51		
	◆	46		
2½″ × 3½″ (56 × 80)	♦	49	90	
	◆	42	81	
65 × 90 (58 × 81)	♦	47	89	
	◆	41	81	
90 × 120 (83 × 114)	♦	24	69	122
	◆	19	60	111
4″ × 5″ (96 × 120)	♦	14	61	115
	◆	12	55	107
5″ × 7″ (121 × 170)	♦		30	91
	◆		24	78
130 × 180 (122 × 171)	♦		29	90
	◆		23	77
180 × 240 (171 × 231)	♦			44
	◆			35
8″ × 10″ (194 × 245)				26
				21

* Brochure available, on request

Tables show maximum possible lens displacements of the different Xenar 5.6 and 6.1 at full aperture and stopped down to f: 22 for each focal length.
Starting with a rectangular format in the horizontal position, the vertical displacement is designated by: ♦ , The horizontal displacement is designated by: ◆

TECHNICAL DATA

Relative aperture	Focal length in mm: Engraved	Focal length in mm: Effective focal length ±1%	Nodal point separation HH'	Back focus s'F'	Accessory thread 1	Front mount diameter d_1	Max. mount diameter d_3	Rear mount diameter d_2	Overall length h_1	Lens seat to lens rear h_2	Mounting thread 2	Flange focus s'A∞	Smallest aperture	Available mounts	Weight in g	Article
1:5.6	150	150.1	0.6	131.4	M 34 × 0.5	36	61	31	35.4	12.7	M 32.5 × 0.5	143.2	32	Copal 0	170	10 481
1:6.1	210	215.7	1.2	188.8	M 46 × 0.75	48	73	42	49.7	19.4	M 39 × 0.75	206.8	45	Copal 1	375	10 483
1:5.6	300	300.8	1.7	264.6	M 67 × 0.75	70	102	60	68.2	26.4	M 62 × 0.75	290.4	45	Copal 3	920	10 487

These specification are subject to change in whole or part prior notice.

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