

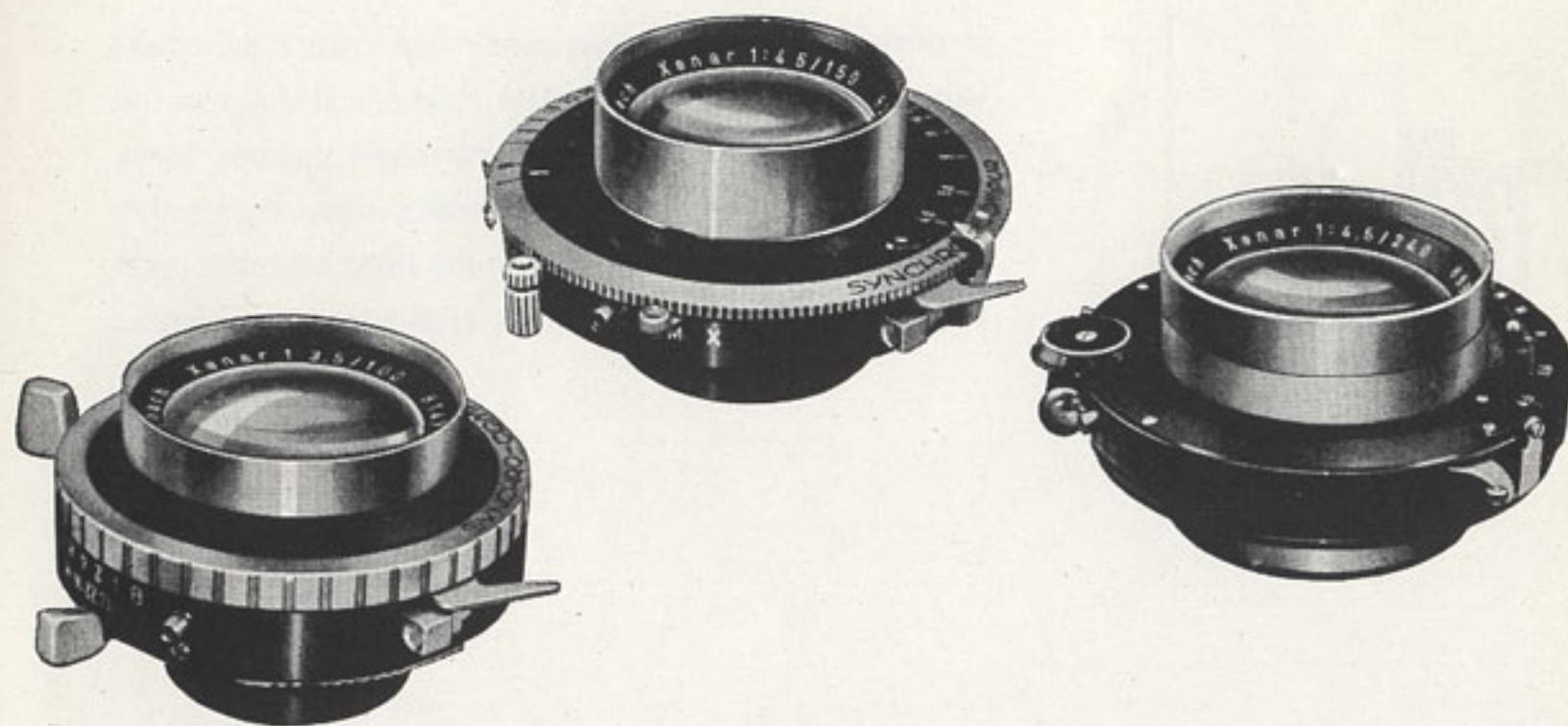
JOS. SCHNEIDER & CO. OPTISCHE WERKE 6550 BAD KREUZNACH

XENAR XENOTAR

for medium and
large format

SCHNEIDER

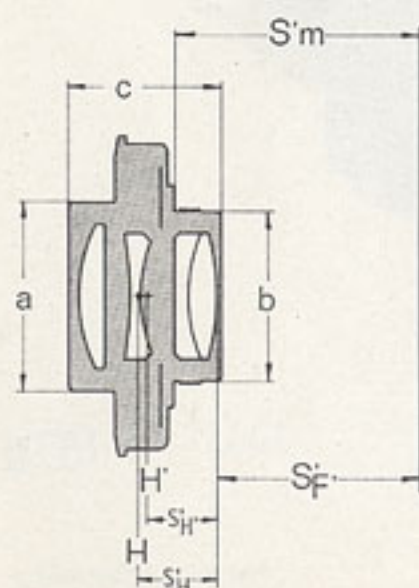




The Schneider-XENAR is a universal lens of medium relative aperture for small, medium and large cameras. Focal distances of 38 to 480 mm, to suit the intended purpose, are provided in the 1 : 2.8 resp. 1:3.5 and 1:4.5 apertures. Schneider-Xenar lenses are supplied in standard mounts, helical focusing mounts and in shutters. The table below shows the distribution of the XENAR-types for

Relative aperture 1 : 1	Focal distance		Backfocus s' F'	Distance of main planes HH'	Locating dimension for ∞ s' m	Recommended for size	With 1 : 16 diaphragm and setting ∞		Screw-in thread for accessories a	Mount diameter rear b	Mechanical Height c	Shutter Height	Weight in grams when	
	engraved	actual ($\pm 1\%$)					Angle of vision in°	Image area diameter					Sealed	Normal mounting
3,5	100	101	84,5	+1,9	96,2	65 x 90	60	116	M 40,5 x 0,5	31,8	37,7	0	225	250
4,5	105	106	93,1	+1,0	99,8	65 x 90	62	127	M 40,5 x 0,5	31,0	30,4	0	190	210
4,5	135	134	117	+1,1	127	90 x 120	62	161	M 40,5 x 0,5	37,5	34	I	245	310
4,7	135	134	117	+1,1	126	90 x 120	62	161	M 40,5 x 0,5	31	34	0	155	220
4,5	150	150	132	+1,5	144	90 x 120	62	180	M 40,5 x 0,5	37,5	38,5	I	250	310
4,5	180	181	159	+1,8	174	100 x 150	62	217	M 49 x 0,75	51	44	II 6/2	410	385
4,5	210	211	186	+2,1	201	130 x 180	62	253	M 58 x 0,75	57	52,5	III 7	550	510
4,5	240	235	214	+3,6	228	130 x 180	62	282	M 67 x 0,75	70	59	IV 10/2	780	800
4,5	300	303	269	+5,0	289	180 x 240	62	364	M 82 x 0,75	85	73	V 12/2	1085	1045
4,5	360	360	319	+5,4	336	240 x 300	62	432	M 102 x 1	105	81	-	-	1220
4,5	420	422	376	+6,4	401	240 x 300	62	506	M 120 x 1	125	87	-	-	1710
4,5	480	483	429	+7,3	458	300 x 400	62	580	M 120 x 1	125	100	-	-	2100

All dimensions in millimetres



In order to make selection easier and ensure their best use, the more vital optical and mechanical data on the Schneider lenses has been summarized in table form. A diagrammatic outline of the lenses supplements this information. The datum line with the letters corresponds with the appropriate references at the top of the table.

various medium and large size cameras. The properties of this Schneider lens system, already described, which one comes across all over the world, stamps the XENAR as a first class standard type. Utmost definition and brilliance immediately identify the negatives of XENAR exposures.

SCHNEIDER XENOTAR

High aperture lenses for extraordinary performances require many more optical elements (correction members) than lenses of medium light intensity.

The modern electronic calculating methods used by Schneider Lens Company were therefore the prerequisite for designing new super high speed systems for medium and large format photography.

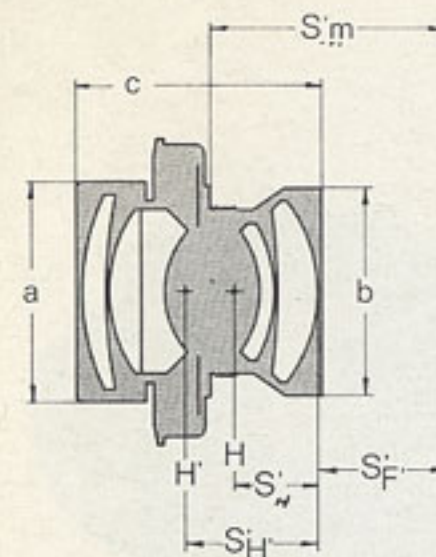
The XENOTAR with its 1 : 2.8 aperture, which is unusual for these formats,

Relative aperture 1 : 1	Focal distance		Backfocus s'F'	Distance of main planes HH'	Locating dimension for ∞ s'm	Recommended for size	With 1 : 16 diaphragm and setting ∞		Screw-in thread for accessories a	Mount diameter rear b	Mechanical Height c	Shutter Height	Weight in grams when	
	engraved	actual ($\pm 1\%$)					Angle of vision in°	Image area diameter					Sealed	Normal mounting
2,8	80	80,4	60,0	- 6,3	73,5	56 x 72	59	91	M 49 x 0,75	38	40,5	I	230	290
2,8	100	101,4	75,5	- 8,0	95,3	65 x 90	60	117	M 58 x 0,75	48	49,2	I	360	420
2,8	150	149,5	108	-15,2	139	90 x 120	56	160	M 77 x 0,75	63	76,7	II 5/2	875	780
3,5	75	75	58,5	- 1,0	69,4	60 x 60	59	85	-	27	30,3	00	100	115
3,5	135	135,5	105,2	- 1,7	125,3	90 x 120	59	153	M 58 x 0,75	48	50	I	380	430
4,0	100	95,9	71,2	- 7,3	87,4	56 x 72	60	110	M 49 x 0,75	38	47,7	0	230	-

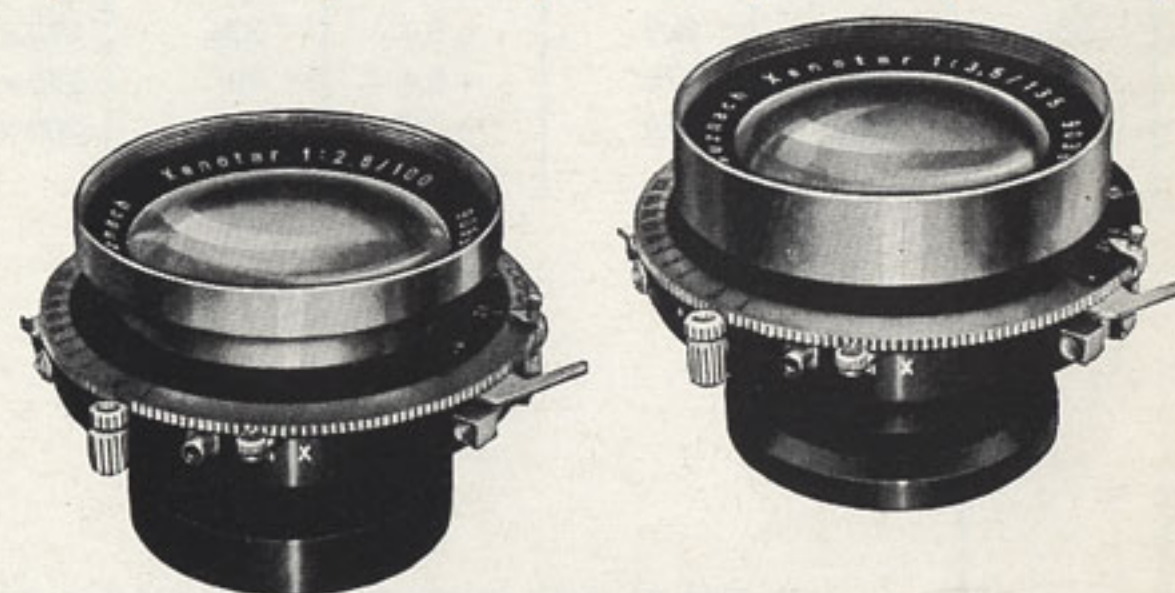
All dimensions in millimetres

surpasses in definition of details and in contrast efficiency, all previous lenses of this kind and consequently became the prototype for the ideal combination of high relative aperture, sharpness and contrast.

This made the XENOTAR the top-class universal lens which helps the professional photographer to solve demanding problems and to obtain new picture effects. For those who can properly use lenses of high relative aperture without stopping down, the XENOTAR is the ideal lens for portraiture and fashion pictures. A hint! Color-XENOTAR or similar is unnecessary, because outstanding lenses for colour and black and white photographs accomplish the same. The expense of a lens of great light intensity is also justified for the amateur when he wishes to enjoy and display the charm of the atmosphere.



In order to make selection easier and ensure their best use, the more vital optical and mechanical data on the Schneider lenses has been summarized in table form. A diagrammatic outline of the lenses supplements this information. The datum line with the letters corresponds with the appropriate references at the top of the table.



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