

Xenon-Sapphire

These high-resolution, high-speed lenses are optimized for the use of 16k pixel line scan sensors. There are several lens types each optimized for a certain magnification range. The image circles of up to 62 mm meet the length of currently available 16k CCD /CMOS lines and will cover at the same time 12k image heights as well. The high resolution of these lenses make full use of the sensor's pixel size of 3.5µm and fully exploits all possibilities of the

latest sensor generation. As usual they are compact, robust and lockable in distance and apertures. The 400 - 1000 nm broadband coating makes it suitable for applications in the visible and the near infrared spectrum. The V-mount makes it easy to install and rotate into the desired azimuth position for a wide range of high resolution applications where existing 12k lenses (with approx. 5µm pixel sizes) are not sufficient anymore.

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product	focal length (F) in mm	aperture (f)	image circle in mm / (Sensor)	resolution in Mpixel at max. sensor size	recommended magnification range	length in mm	Filter-thread	weight in grams	code no.
XENON-SAPPHIRE 4.7/95	95	4.7 - 8	57.3 (16k) / 62.5 (12k)	3.5µm (16k) / 5µm (12k)	0.02X (±10%)	102.8	M 52 x 0.75	ca. 700	1071824
XENON-SAPPHIRE 4.5/95	95	4.5 - 8	57.3 (16k) / 62.5 (12k)	3.5µm (16k) / 5µm (12k)	0.07X (±10%)	102.8	M 52 x 0.75	765	1068013
XENON-SAPPHIRE 3.9/95	95	3.9 - 8	57.3 (16k) / 62.5 (12k)	3.5µm (16k) / 5µm (12k)	0.23X (±10%)	98.3	M 52 x 0.75	ca. 700	1071819
XENON-SAPPHIRE 3.7/96	96	3.7 - 8	57.3 (16k) / 62.5 (12k)	3.5µm (16k) / 5µm (12k)	0.29X (±10%)	98.3	M 52 x 0.75	ca. 700	1071818
XENON-SAPPHIRE 3.5/96	96	3.5 - 8	57.3 (16k) / 62.5 (12k)	3.5µm (16k) / 5µm (12k)	0.35X (±10%)	97.3	M 52 x 0.75	755	1068012
XENON-SAPPHIRE 3.2/96	96	3.2 - 11.3	57.3 (16k) / 62.5 (12k)	3.5µm (16k) / 5µm (12k)	0.5X (±10%)	99.9	M 52 x 0.75	ca. 700	1071189
XENON-SAPPHIRE 3.2/97	97	3.2 - 11.3	57.3 (16k) / 62.5 (12k)	3.5µm (16k) / 5µm (12k)	0.7X (±10%)	98.1	M 52 x 0.75	ca. 700	1071190
XENON-SAPPHIRE 2.8/98	98	2.8 - 8	57.3 (16k) / 62.5 (12k)	3.5µm (16k) / 5µm (12k)	0.875X (±10%)	98	M 52 x 0.75	720	1076452
XENON-SAPPHIRE 2.8/98	98	2.8 - 8	57.3 (16k) / 82 (16k)	3.5µm (16k) / 5µm (16k)	1.143X (±10%)	150.8	-	750	1076453
XENON-SAPPHIRE 3.2/97	97	3.2 - 11.3	57.3 (16k) / 82 (16k)	3.5µm (16k) / 5µm (16k)	1.43X (±10%)	149.8	M58 x 0.75	840	1076096
XENON-SAPPHIRE 3.2/88	88	3.2 - 8	57.3 (16k) / 82 (16k)	3.5µm (16k) / 5µm (16k)	1.75X (±10%)	91.5	M40.5 x 0.5	765	1068014
XENON-SAPPHIRE 3.2/88	88	3.2 - 8	57.3 (16k) / 82 (16k)	3.5µm (16k) / 5µm (16k)	1.75X with beam splitter	122	M40.5 x 0.5	ca. 1000	1073347
XENON-SAPPHIRE 3.2/96	96	3.2 - 8	57.3 (16k) / 82 (16k)	3.5µm (16k) / 5µm (16k)	-2.0X (±10%)	149	M58 x 0.75	840	1076451

Camera mount: V70-Mount • Lens Ø max: 75 mm