

Telecentric Lenses

The bilateral telecentric lenses for 2/3" C-mount cameras set a new standard of lens performance for optical metrology. The absolute distortion in the image plane of these lenses is only a few micrometers. The lenses can be focused on the image side in a range of +/- 3mm which means that the working distance can be adjusted within the defined limits without any change in the lens

magnification. Thus the lenses can easily be adjusted to fit the space conditions in the application. Due to the high numerical aperture of 0.14 or 0.13 the lenses can be used in measurements with challenging lighting situations. The integrated iris allows easy setting and locking for individual demands. lenses.

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product	object size 1/2" sensor in mm	object size 2/3" sensor in mm	length from C-mount in mm	working distance in mm	num. aperture	distortion at image plane (%)	telecentric depth in mm	weight in grams	Filter-thread	code no.	weight in grams	code no.
Xenoplan 1:1	6.4 x 4.8	8.8 x 6.6	220	47 ± 3	0.14	< 0.1	± 2	1490	M58 x 0.75	35850	115	1012344
Xenoplan 1:2	12.8 x 9.6	17.6 x 13.2	264	195 ± 12	0.14	< 0.7	± 4	2150	M58 x 0.75	35851	115	1012344
Xenoplan 1:3	19.2 x 14.4	26.4 x 19.8	224	161 ± 27	0.14	< 1.5	± 6	1600	M58 x 0.75	35852	115	1012344
Xenoplan 1:4	25.6 x 19.2	35.2 x 26.4	250	176 ± 48	0.13	< 0.5	± 8	2000	M62 x 0.75	35853	115	1012344
Xenoplan 1:5	32.0 x 24.0	44.0 x 33.0	286	269 ± 75	0.13	< 0.3	± 10	2600	M77 x 0.75	35854	108	14798

Working Distance = Distance between mechanical front of the lens and the object. All lenses with lockable iris and focus adjustment.

