

ZIRCONIA

These lenses are designed for 12k/5 μm line scan sensors but also can be used in many applications with area sensors up to 82 mm diagonal.



ZIRCONIA	Numerical aperture	f' (mm)	Mount	Sensor Size (mm)	Type	Size D x L (mm x mm)	Weight (g)	Filter thread	ID
ZIRCONIA 0.01/0.1x V48	0.01	0.1x	V48	62.5mm	standard	55 x 63	246	M46 x 0.75	1101929
ZIRCONIA 0.03/0.2x V48	0.03	0.2x	V48	62.5mm	standard	55 x 63	246	M46 x 0.75	1073622
ZIRCONIA 0.05/0.5x V48	0.05	0.5x	V48	62.5mm	standard	55 x 64.4	250	M46 x 0.75	1076966
ZIRCONIA 0.07/0.7x V48	0.07	0.7x	V48	62.5mm	standard	55 x 68.7	250	M46 x 0.75	1078947
ZIRCONIA 0.09/1.0x V48	0.09	1.0x	V48	62.5mm	standard	55 x 65.1	250	M46 x 0.75	1078948
ZIRCONIA XL 0.03/0.33x V48	0.03	0.33x	V48	82mm	standard	55 x 60.5	242	M46 x 0.75	1079651
ZIRCONIA XL 0.10/2.0x V48	0.1	2.0x	V48	82mm	standard	55 x 63.7	250	M46 x 0.75	1078872
ZIRCONIA XL 0.10/2.0x V48-BS	0.1	2.0x	V48	82mm	with beamsplitter	95 x 104.6	560	–	1078988

THE BUDGET SOLUTION FOR HIGH-END LINE SCAN

Key Features:

- Image circle: 62.5mm to 82mm
- High resolution down to 5µm pixel size
- Optimized for specific magnifications
- 7 magnifications available: 0.1x to 2.0x
- Version with beamsplitter available
- Best azimuth marking
- V48-Mount for easy installation

Typical applications:

- Display inspection
- PCB inspection
- Automated optical inspection (AOI)
- Line scan

ZIRCONIA LENSES FOR THE INDUSTRY

ZIRCONIA line scan lenses offer a large image circle from 62.5mm to 82mm and an exceptionally high resolution of up to 5µ pixel size. They are specifically optimized for magnifications from 0.1x to 2.0x and are available in seven different magnification options. A beam splitter version is also available if required. Optimal azimuth setting is facilitated by the best azimuth mark and the V48 Mount. Accessories such as focussing Mounts, extension tubes and camera adapters can be easily added.

The ZIRCONIA line scan lenses are not only optimized for 12k / 5µm (ZIRCONIA XL: 16k / 5µm) line scan sensors, but are also suitable for applications with area sensors up to 82mm diagonal. Their compact design and excellent imaging performance make them extremely versatile. So if you are looking for line scan lenses of the highest quality that are easy to Mount and meet a wide range of requirements, our ZIRCONIA lenses are the ideal choice.

MORE INFORMATION

Discover the variety of our high quality lenses. For more technical details on the lenses and datasheets, please visit our website: www.schneiderkreuznach.com/zirconia



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