

Schneider-Kreuznach

Providing expert knowledge for complex optical requirements since 1913

When it comes to optical and precision mechanical components for machine vision applications, we set the industry standard. Like no other manufacturer, we understand the exacting requirements demanded from optical systems in industrial environments because we manufacture our products according to the same strict criteria.

We know that precision, quality, and reliability form the basis for long-term optical solutions.

Therefore it should come as no surprise that Schneider-Kreuznach is the original manufacturer of rugged lenses for industrial applications. In addition to our extensive standard portfolio of ruggedized lenses, we also provide custom lens solutions for even more ruggedized options. Custom fixed aperture and motorized iris options are also available for many lenses on request.



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Jos. Schneider Optische Werke GmbH
ISO 9001:2018 certified

We accept no responsibility for any errors and reserve
the right of modification without further notice.

Schneider-Kreuznach Rugged Lenses



Schneider-Kreuznach

Our world of C-mount lenses



	Standard lenses	Ruggedized lenses	Stabilized lenses
Ruggedized	-	●	●
Stabilized	-	-	●
Shock resistance up to	50 g	100 g	100 g
Secured mechanics	-	●	●
Stabilized image position	-	-	●
Image position shift typically <1μm	-	-	●
Vibration resistance	-	●	●

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Ruggedized lenses

Schneider-Kreuznach ruggedized lenses are specially developed to withstand harsh environmental conditions including shock and vibration. This line of precision C-mount lenses is the perfect choice for many demanding applications incl. traffic control and factory automation.

Benefits

Extended product life with consistent, steady image quality while operation in demanding environmental conditions.

Applications

Shock- and vibration-sensitive environments like vehicle speed monitoring, aerospace, highway toll control, railway inspection, and automotive crash testing.

Key features

- Shock resistance up to 100 g
- Secured mechanics
- Ideal for harsh environments
- Vibration resistant

Lenses

- Most C-mount lenses for 2/3" to 1.3" sensor size are available as ruggedized versions on request
- Optional fixed aperture on request
- Motorized p-iris for several lenses on request
- For more customized lenses please contact us



Schneider-Kreuznach

Stabilized lenses

Our stabilized lenses are designed for measurement applications requiring highly precise results. These specially-secured lenses assure that the resulting image shift is minimized to a level where the effect is negligible, even in difficult 3D measurement or other challenging triangulation systems.

Benefits

Significantly reduced need for calibration during measurements. No calibration of imaging system required after shipments.

Applications

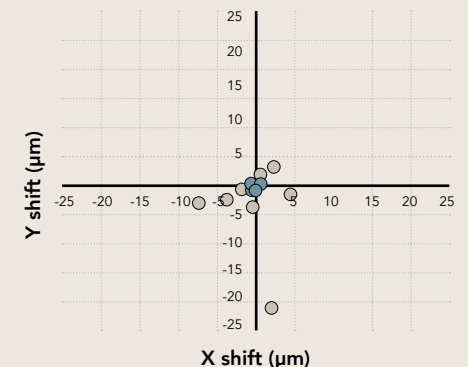
Augmented reality, robotics, 2D and 3D measurement

Key features

- Shock resistance up to 100 g
- Secured mechanics and stabilized image position
- Image position shift typically < 1μm
- Minimized image shift while moving

Lenses

- Optional fixed aperture on request
- Motorized p-iris for several lenses on request
- For more customized lenses please contact us



- Typical image shift of a standard lens
- Typical image shift of a Schneider-Kreuznach stabilized lens