P E A R L

Vibration-resistant lens for large-area and line-scan sensors, with an M42×1 mount for direct camera attachment and consistent image quality with low chromatic aberration and distortion across a wide magnification range.

Schneider KREUZNACH

INDUSTRY

PEARL	Aperture	f' (mm)	Mount	Sensor Size (mm)	Type	Size D x L (mm x mm)	Weight (g)	Filter thread	ID
PEARL 2.8/28 M42x1	2.8–22	28	V38	28.7	standard	47 x 48.2	137	M37 x 0.75	1113086
PEARL 2.8/35 M42x1	2.8–22	35	V38	28.7	standard	44 x 51.5	135	M37 x 0.75	1112807

4K/7 µM, 8K/3.5 µM LINE SCAN AND MORE

Key Features:

- Image circle 28.7 mm
- 2 focal lengths: 28 mm & 35 mm
- Initial aperture: 2.8
- M42x1 Mount with integrated focusing
- Uniform MTF across the entire image field
- Very low distortion

Typical applications:

- Machine vision
- Automated optical inspection (AOI)
- FPD/PCB inspection
- Logistics

PEARL LENSES FOR THE INDUSTRY

This vibration-resistant lens is designed for use with large-area and line-scan sensors in harsh conditions, as encountered in many industrial applications. Its highly homogeneous imaging performance across the entire image field, combined with low chromatic aberrations and geometric distortions, ensures very high image quality across a wide magnification range. The M42 x 1 mount with integrated focusing is compatible with a variety of industrial line and area sensor cameras.

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/pearl**

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