

► **MACROVARON precision lenses**

A large 62mm image circle, low distortion and excellent chromatic correction combine to make the MACROVARON ideal for high-resolution line scan applications up to 12k with a pixel size of 5µm. Using the CAS technology (Continuous Abberation Suppression) developed by Schneider-Kreuznach, allows high optical resolution down to 2.5 microns per pixel to be used over an extremely large magnification range from 0.5x to 2.0x, with uniform performance over the entire range. The relative illumination of this lens is virtually constant over the entire image area, thus allowing the camera's full sensor length to be used. The uniformity of light delivered to the image edge eliminates the need for electronic compensation, minimizing camera signal noise. The focal length of 85mm allows short working distances and reduces the space required for the camera-lens assembly.

Like all Schneider-Kreuznach industrial macro lenses, the MACROVARON features an aperture locking mechanism and a robust mechanical design that ensures good stability and precise measurements even under harsh conditions. Using the V-mount connection the lens can be combined with the UNIFOC modular lens system and be adapted easily to different cameras.



► **Technical Highlights**

- Designed for high resolution line scan applications up to 12k with a pixel size of 5 µm
- Focal length of 85mm
- High optical resolution of up to 2,5 µm
- Extremely large magnification range from 0.5x to 2.0x
- Uniform performance over the entire range
- Large image circle of 62mm
- Low distortion
- Excellent chromatic correction
- Aperture locking mechanism
- Robust mechanical design

► **Technical Data**

Specification	MACROVARON
Focal length	85 mm
Aperture	F 4.5
Field of view (diameter, max.)	62 mm
Reproduction scale	0.5x - 2.0x
Filter thread	M43 x 0.75
Mounting	V-Mount
Dimensions	48.5 x 48.0 (D x L in mm)
Weigth	200 g