

Macro lens

Componon-S 5.6/100-0022

Unlike conventional camera lenses where the optical performance decreases as the magnification increases, Schneider-Kreuznach macro lenses have been developed and corrected exclusively for the close-up range of 1:20 to 1:1. Due to its mechanical stability and the robust V-mount interface enabling simpler adjustment of the best azimuth position, the system is exceptionally well suited to demanding, continuous industrial use.



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Key Features

- Excellent optical imaging performance when using large sensors
- Vibration-insensitive for stable optical performance
- Industry-compatible V-mount interface
- Lockable distance and aperture settings
- Infinitely adjustable aperture, guaranteed long-term stability
- 100% quality control guarantees reliability and constant quality
- Low maintenance requirements, therefore high system reliability

Applications

- Machine Vision and other imaging applications
- PCB inspection
- LCD inspection
- OLED inspection
- Solar inspection

Technical Specifications

F-number	5.6
Focal length	102.3 mm
Image circle	108 mm
Magnification	-0,17
Transmission	400 - 700 nm
Interface	V-Mount
Weight	140 gr.
Option	Optical filter

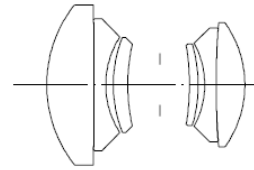
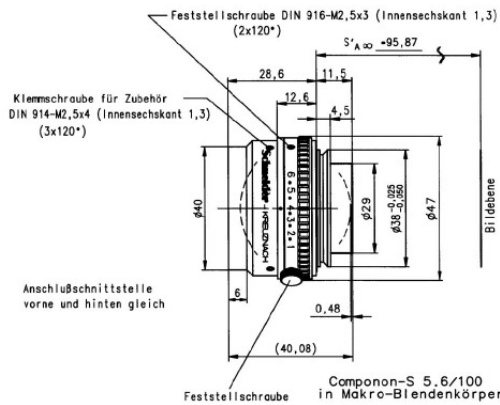
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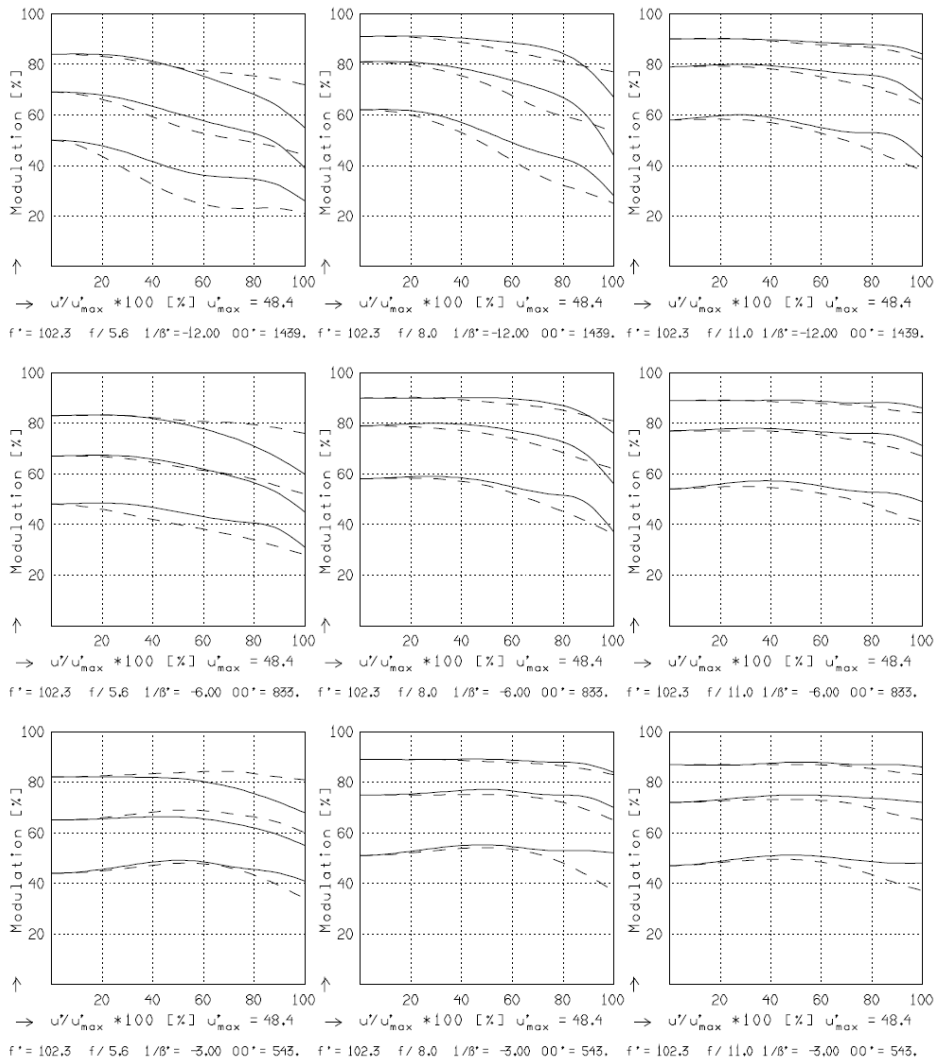
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f^*	= 102.3 mm	β_P^*	= 0.988
s_F	= -81.8 mm	s_{EP}	= 21.8 mm
s_F^*	= 84.9 mm	s_{AP}^*	= -16.2 mm
HH^*	= -2.4 mm	Σd	= 35.6 mm

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MODULATION with reference to the relative image height

Wavelength λ	[nm]	: 546	706	644	480	436	405
Spectral weighting	[%]	: 27.4	12.4	24.1	18.3	12.6	5.2
Spatial frequency R	[1/mm]	: 10	20	40			
Format	[mm X mm]	: 56.0	X 79.0				
Diagonal $2u'$	[mm]	: 96.8					



Focusing : MTF_{max} at f / 5.6 , R = 20 1/mm. $u/u'_{max} = 0$

