



ZEISS Biogon T* 2/35 M42-I



Features

- f/2 aperture
- Moderate wide-angle lens
- Precise manual focusing
- Robust full-metal construction
- Fixation for focus and aperture
- Outstanding image quality
- Compact and lightweight
- For industrial cameras up to sensor sizes of 24x36 mm or 43mm line sensors.

M42-I: Industrial Edition

Features special screws to fix focus and aperture settings even in rough situations.

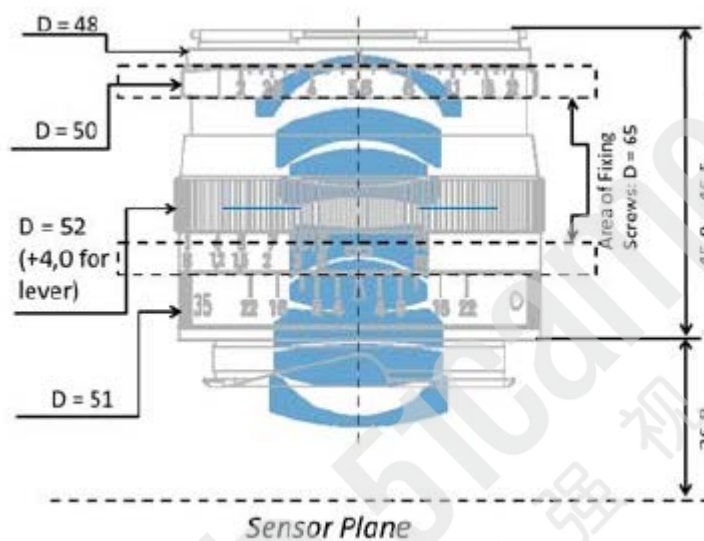
Camera Mount

Available with M42-Mount.



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Technical Specifications



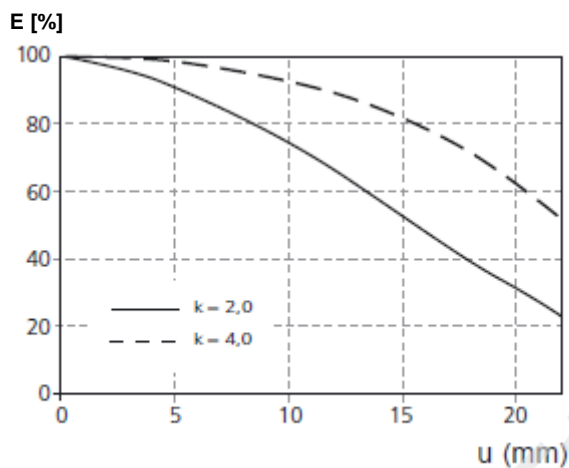
Focal length	35 mm
Aperture range	f/2 – f/22 (1/ 3 stop intervals)
Number of elements / groups	9 / 6
Focusing range	0.7 m - ∞
Min. free working distance	630 mm (2.07 ft.)
Angular field* (diag. / horiz. / vert.)	63 / 54 / 38°
Max. diameter of image field	43 mm (1.7")
Flange focal distance	M42-I: 26.8 mm
Coverage at close range*	43 x 65 cm
Image ratio at close range	1:18
Filter-thread	M 43 x 0.75
Weight	240 g (0.53 lbs)
Length	56 mm
Camera mount	M42-I

* referring to 24x36mm sensor format



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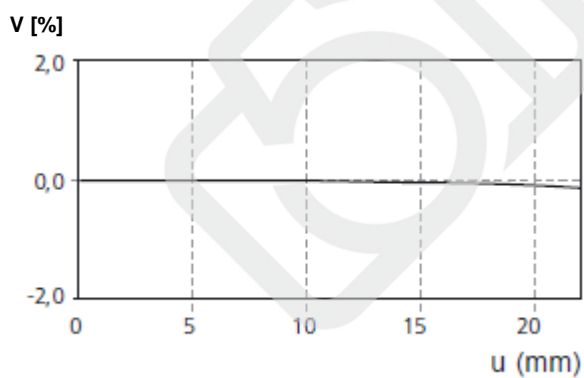
Relative Illuminance*



The relative illumination shows the decrease in image brightness from the image center to the edge in percent.

— f-number 2.0
... f-number 4.0

Relative Distortion*



The relative distortion shows the deviation of the actual image height from the ideal one in percent.

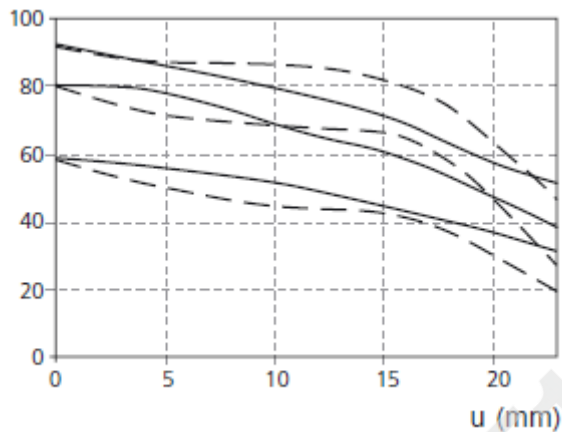
* data for infinite focus setting



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MTF Charts*

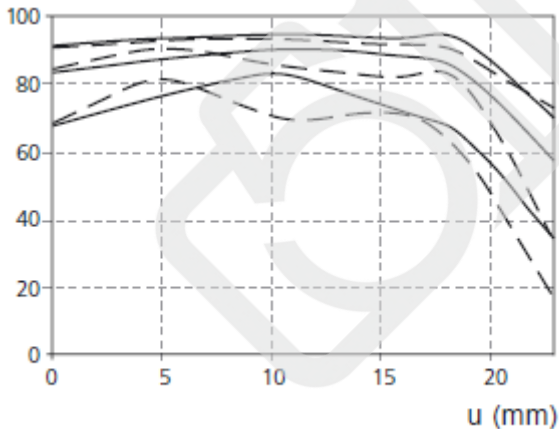
MTF [%] $k=2.0$



The Modulation Transfer (MTF) as a function of image height (u) and slit orientation (sagittal, tangential) has been measured with white light at spatial frequencies of $R = 10, 20$ and 40 cycles/mm. The MTF charts are valid for the ZM-version and for white light.

f-number 2.0
— Sagittal
... Tangential

MTF [%] $k=4.0$



f-number 4.0
— Sagittal
... Tangential

* data for infinite focus setting