

Biogon T* 2.8/21



Features

- Precise manual focusing
- Robust full-metal construction
- Identical color reproduction of all models
- For industrial cameras with M42-Mount up to sensor sizes of 24x36 mm
- Compact
- Low Weight

Z-M42-I: Industrial Edition

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

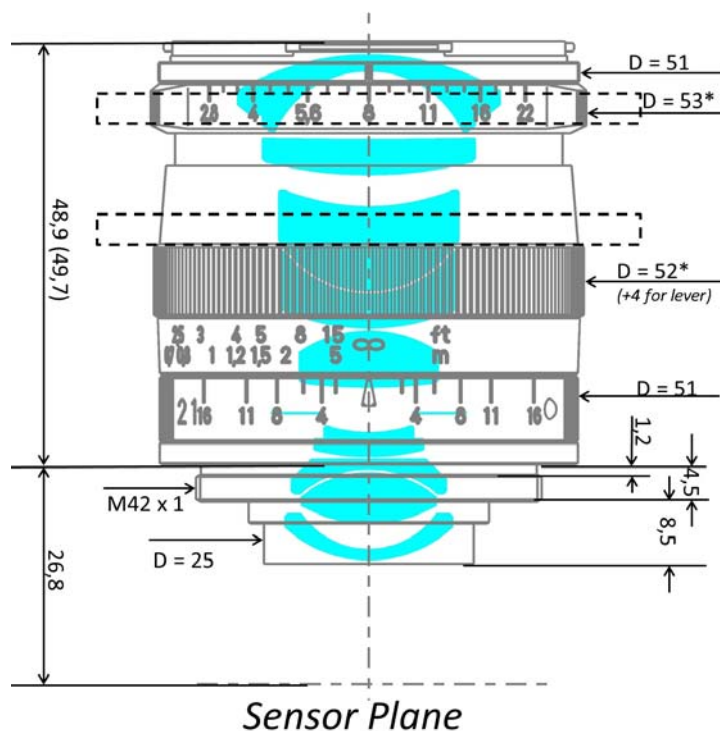
Camera Mounts

M42 screw mount.
Flange Focal Distance
26,8mm
Adapter Needed!



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Technical Specifications



All values are valid for infinity. Values in brackets are valid for MOD.
 *Excluding fixing screws. Length of fixing screws: 8 mm

Focal length	21 mm
Aperture range	f/2.8 – f/22 (1/3 stop intervals)
Number of elements / groups	9 / 7
Min. working distance (object to sensor)	500 mm (1.64 ft.) – ∞
Min. free working distance	430 mm (1.41 ft.) – ∞
Angular field²⁾ (diag. / horiz. / vert.)	90 / 80 / 58°
Max. diameter of image field	43 mm (1.7")
Flange focal length	26.8 mm (1.05") with M42 Mount
Coverage at close range²⁾	470 x 710 mm (18.4 x 27.8")
Image ratio at close range	1:20
Filter-thread	M 46 x 0.75
Weight	300 g (0.66 lbs.)
Camera mount	M42 with Flange Focal Distance 26,8 mm

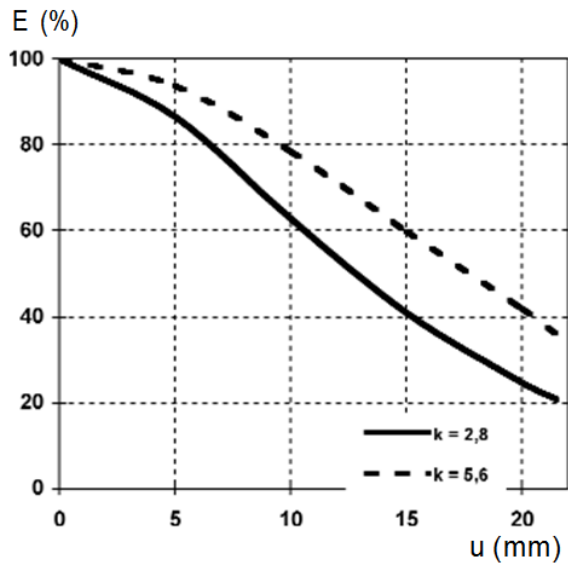
2) referring to Full Frame Format

1) All Data for infinite focus setting



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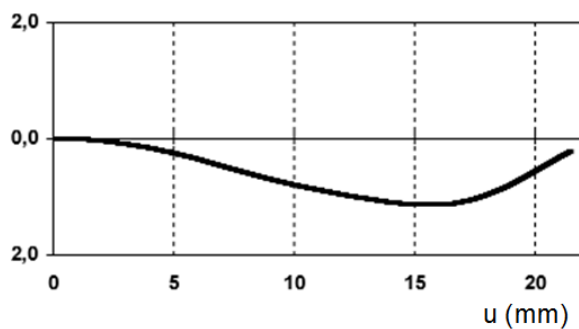
Relative Illuminance¹⁾



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

— f-number 2.8
... f-number 5.6

Relative Distortion¹⁾



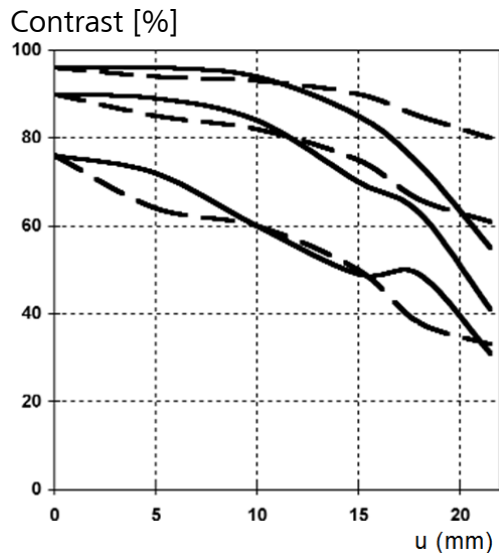
The relative distortion shows the deviation of the actual image height from the ideal one in percent.

1) All Data for infinite focus setting
03/15 · Subject to change.



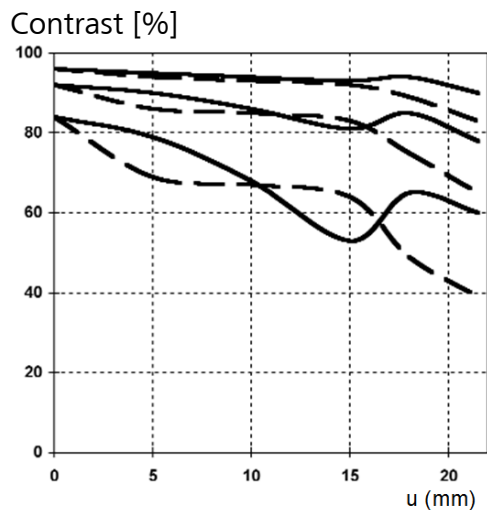
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MTF Charts¹⁾



The Modulation Transfer (MTF) as a function of image height (u) and slit orientation (saggital, tangential) has been measured with white light at spatial frequencies of $R = 10, 20$ and 40 cycles/mm.

f-number 2.8
— Saggital
... Tangential



f-number 4
— Saggital
... Tangential

1) All Data for infinite focus setting
03/15 · Subject to change.