



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.

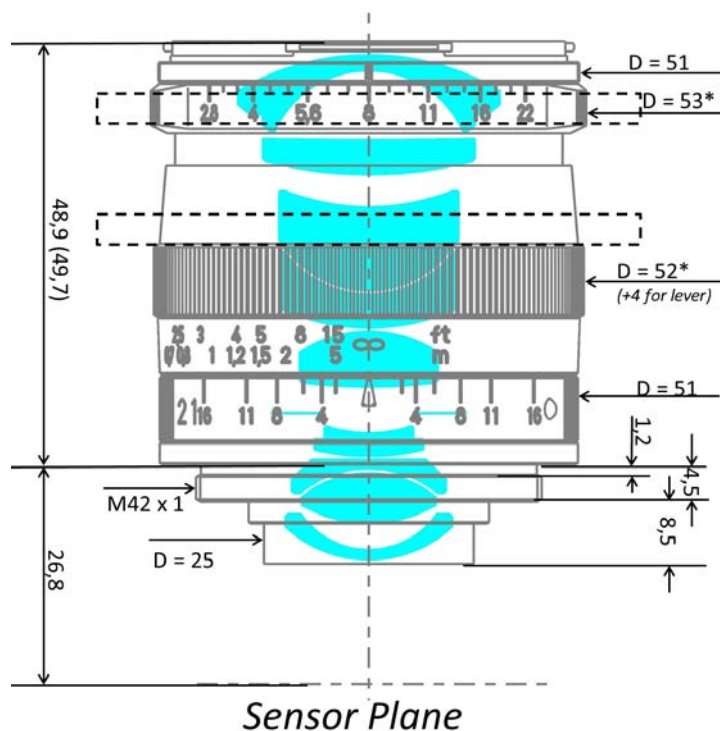
Camera Mounts

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

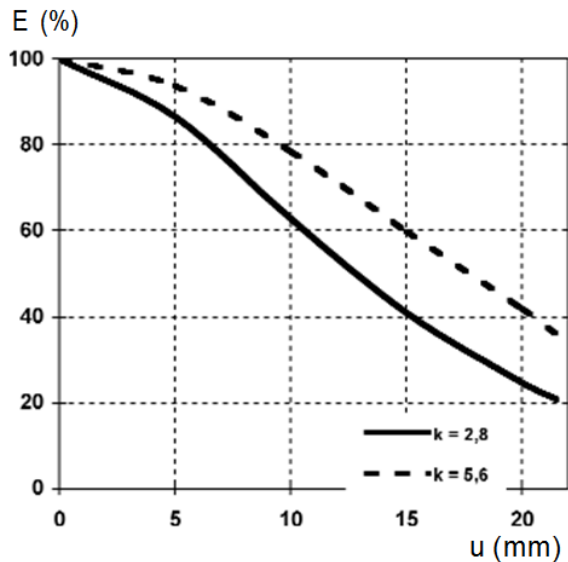
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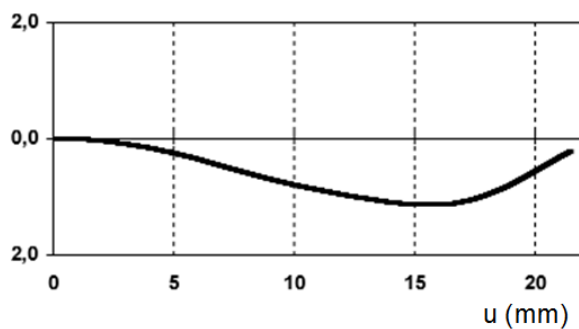
Relative Illuminance¹⁾



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⁾



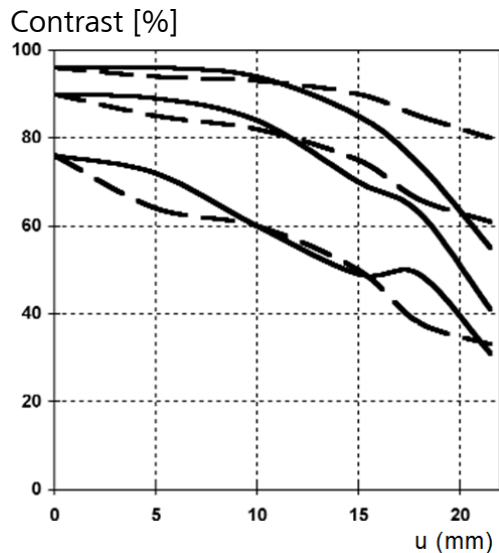
The relative distortion shows the deviation of the actual image height from the ideal one in percent.

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



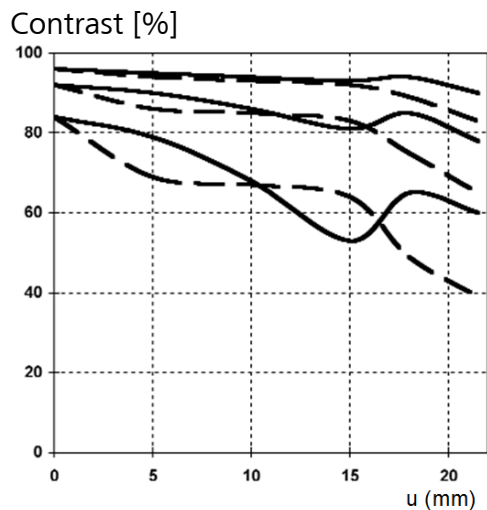
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MTF Charts¹⁾



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

f-number 2.8
— Sagittal
... Tangential



f-number 4
— Sagittal
... Tangential



1) All Data for infinite focus setting
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