ZEISS Interlock 2/100

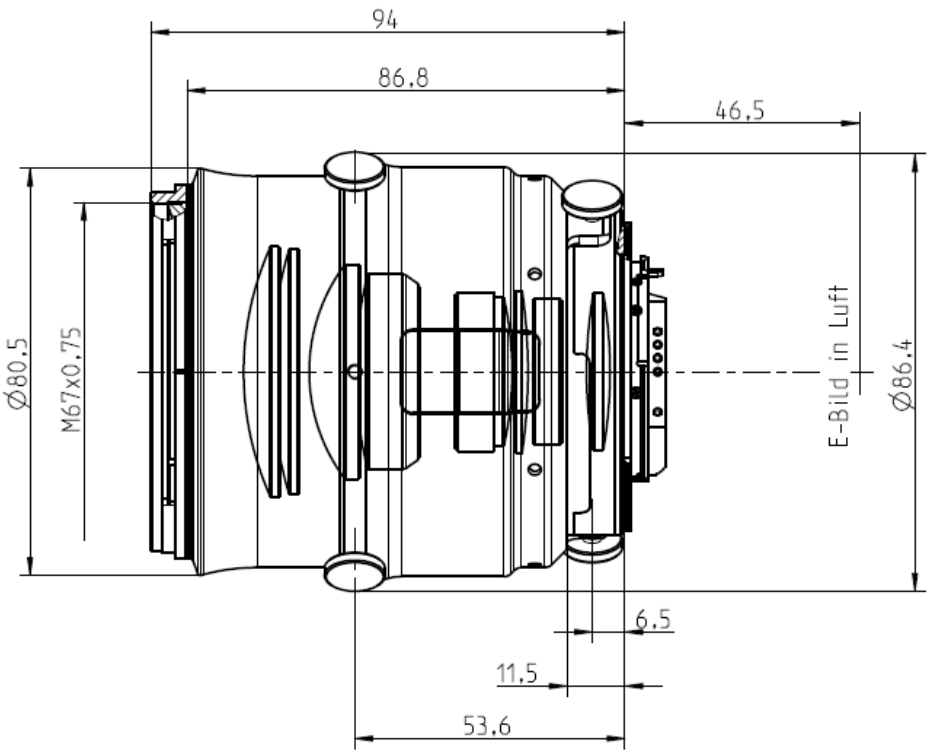
Features

- Fast f/2.0 aperture
- Low distorsion
- Precise manual focusing
- Robust full-metal construction
- Continuous aperture setting or click stop
- For industrial cameras up to sensor sizes of 24x36 mm or 41mm line sensors
- High optical performance both at infinity and at 1:2 scale
- Features special screws to fix focus and aperture settings even in rough situations

Camera Mounts
Available with F mount or M42 screw mount

ZEISS Interlock 2/100

Technical Specifications

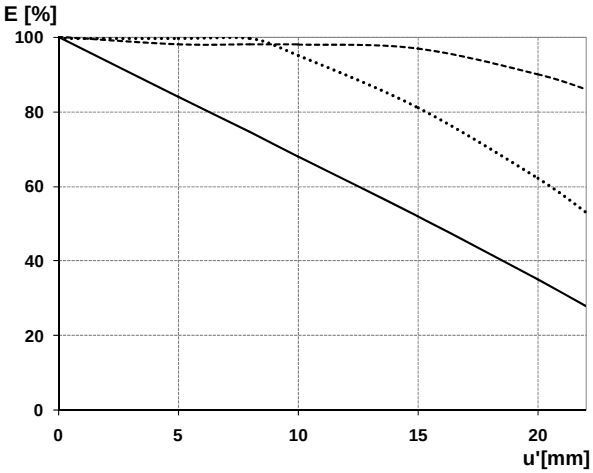


Focal length	100 mm
Aperture range	f/2 – f/22 (1/ 2 stop intervals or continuous)
Number of elements / groups	9 / 8
Min. working distance (object to sensor)	440 mm (1.44 ft.) – ∞
Min. free working distance	250 mm (0.82 ft.) – ∞
Angular field* (diag. / horiz. / vert.)	25 / 21 / 14 °
Max. diameter of image field	43 mm (1.7")
Flange focal length	F-Mount: 46,5 mm (1.8"); M42-Mount: 45,5 mm
Coverage at close range	48 x 72 mm (1.9 x 2.8"), line 86 mm (3.3”)
Image ratio at close range	1:2
Filter-thread	M 67 x 0.75
Weight	875 g (1.9 lbs.)
Camera mount	F bayonet, M42

* referring to 35 mm format

ZEISS Interlock 2/100

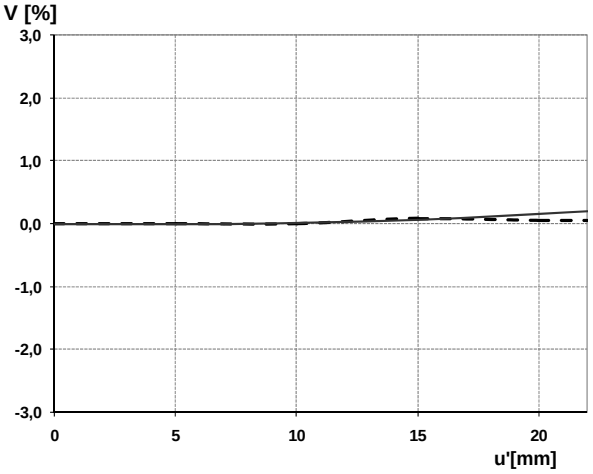
Relative Illuminance*



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

__ f-number 2
… f-number 2 M=1:2
--- f-number 4

Relative Distortion*

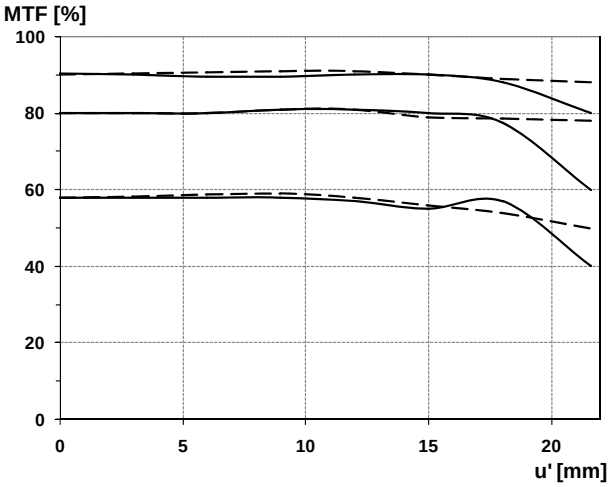


The relative distortion shows the deviation of the actual image height from the ideal one in percent.

**Data for infinite focus setting*

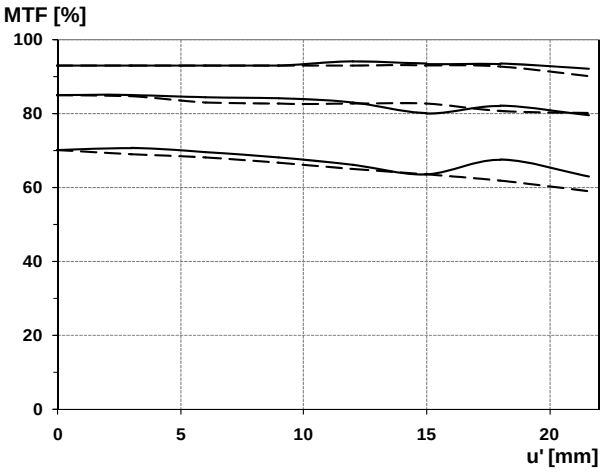
ZEISS Interlock 2/100

MTF Charts*



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
__ Saggital
… Tangential

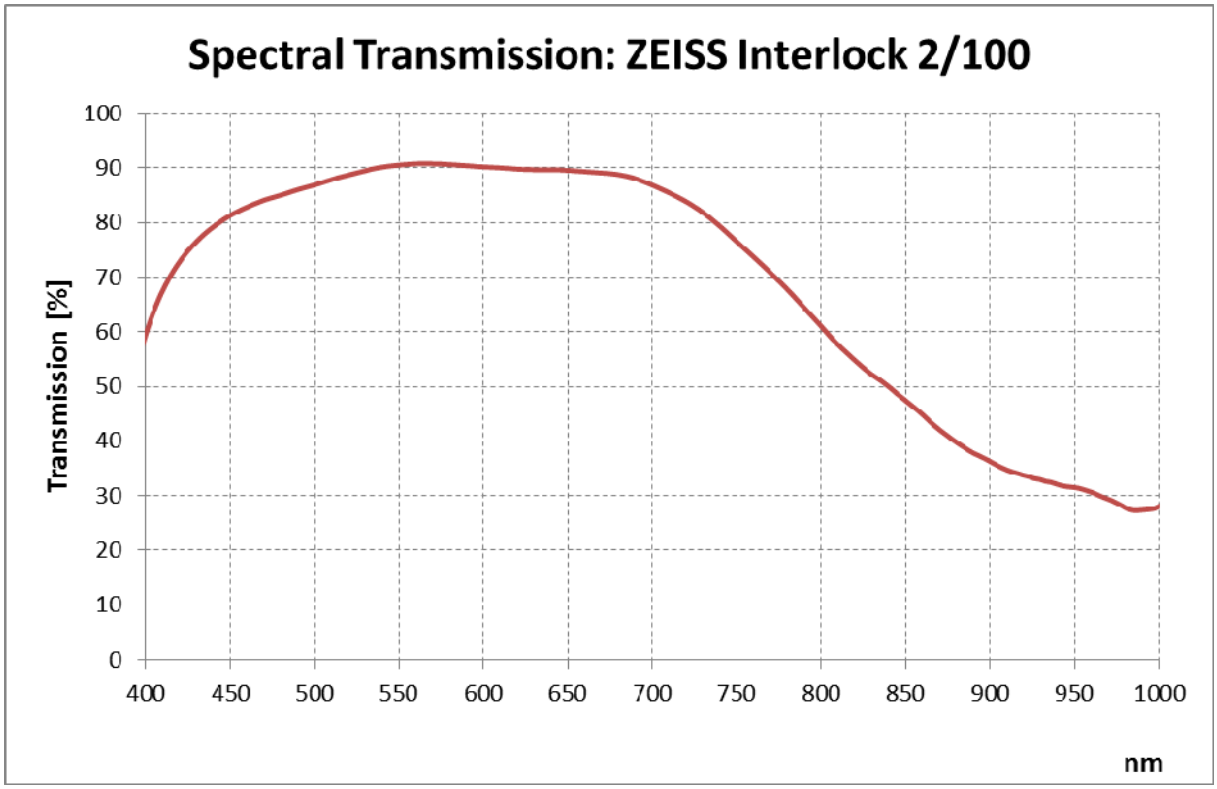


f-number 4
__ Saggital
… Tangential

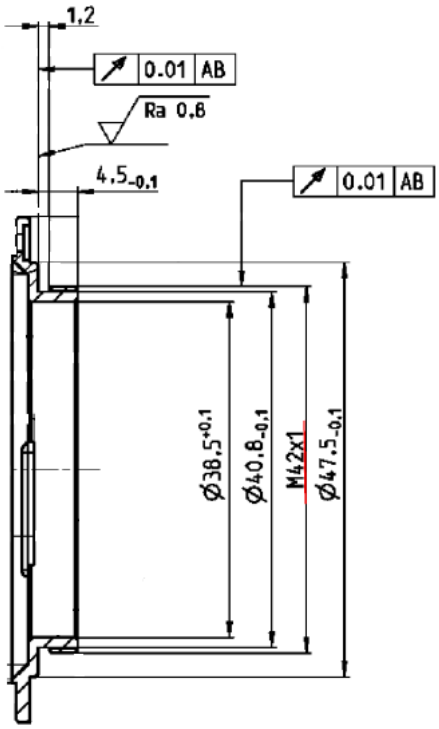
**Data for infinite focus setting*

ZEISS Interlock 2/100

Spectral Transmission



ZEISS Interlock 2/100



M42 Mount for 45,5 mm Flange Focal Distance

The diameter of the camera/lens adapter must not exceed 55 mm at the lens side!