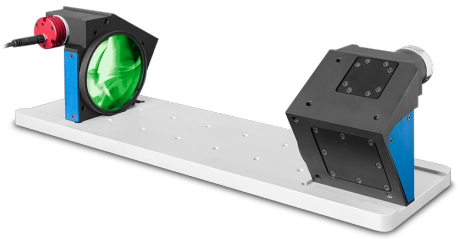
PRODUCT DATASHEET

TCCRBENCH080

Telecentric CORE optical bench, magnification 0.110 x

OPTO ENGINEERING

SPECIFICATIONS



Object field of view		
with 1/3" detector (4.8 x 3.6 mm)	(mm × mm)	43.5 x 32.6
with 1/2.5" detector (5.70 x 4.28 mm)	(mm × mm)	51.7 x 38.8
with 1/2" detector (6.4 x 4.8 mm)	(mm × mm)	58.0 x 43.5
with 1/1.8" detector (7.13 x 5.37 mm)	(mm × mm)	64.6 x 48.7
with 2/3" - 5 MP detector (8.45 x 7.07 mm)	(mm × mm)	76.5 x 64.0

Optical specifications		
Magnification	(x)	0.110
Image shape dimension **(4)**	(Ø, x mm)	Ø=11.1, x=9.6
Working distance	(mm)	226.7
Optical Accuracy **(1)**	(µm)	< 55
Field depth **(2)**	(mm)	67
CTF @ 70 lp/mm	(%)	> 55
Phase adjustment **(3)**		Yes

Dimensions		
Length	(mm)	578
Width	(mm)	182
Height	(mm)	162
Mass	(g)	10965
Mount		C

NOTES

1. Working distance: distance between the front end of the lens mechanics and the object. Set this distance within +/- 3% of the nominal value for maximum resolution and minimum distortion.
2. At the borders of the field depth the image can be still used for measurement but, to get a perfectly sharp image, only half of the nominal field depth should be considered. Pixel size used for calculation is 5.5 µm
3. Indicates the availability of an integrated camera phase adjustment feature.
4. Indicates the dimensions and shape of image, where "Ø =" stands for diameter and "x=" indicates the nominal image height and length (**Tech Info** for related drawing).