



TCCRBENCH064

Telecentric CORE optical bench, magnification 0.138 x

SPECIFICATIONS

Object field of view

with 1/3" detector (4.8 x 3.6 mm)	(mm × mm)	34.9 x 26.2
with 1/2.5" detector (5.70 x 4.28 mm)	(mm × mm)	41.5 x 31.1
with 1/2" detector (6.4 x 4.8 mm)	(mm × mm)	46.6 x 34.9
with 1/1.8" detector (7.13 x 5.37 mm)	(mm × mm)	51.9 x 39.1
with 2/3" - 5 MP detector (8.45 x 7.07 mm)	(mm × mm)	61.4 x 51.4

Optical specifications

Magnification	(x)	0.138
Image shape dimension (4)	(∅, x mm)	∅=11.5, x=9.5
Working distance	(mm)	181.8
Optical Accuracy (1)	(μm)	< 40
Field depth (2)	(mm)	43
CTF @ 70 lp/mm	(%)	> 65
Phase adjustment (3)		Yes

Dimensions

Length	(mm)	474
Width	(mm)	152
Height	(mm)	134
Mass	(g)	6260
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 "∅ =" stands for diameter and "x=" indicates the nominal image height and length ([Tech Info](#) for related drawing).

