



TCCR1M120-C

Telecentric CORE lens for 1/1.2" sensors, magnification 0.087x, C mount, WD 334.6 mm

SPECIFICATIONS

id	29081
magnification	0.087
image_shape	Ø=13.5, x=11.1
detector_14_8	129.9 x 81.6
detector_16	Ø=155, x=110
detector_21_5	Ø=155, x=128
detector_22_6	Ø=155, x=128
detector_13_3	129.90 x 81.60
detector_17_6	Ø=155, x=120
wd	334.6
fn	8
telecentricity	< 0.08 (0.10)
distortion	< 0.08 (0.10)
field_depth	87.2
ctf	> 55
mount	C
phase_adj	Yes
A	182
B	220
C	231
weight	9110
partnumber	TCCR1MHR120-C
detector_size	1/1.2"
detector_16_1	Ø=155, x=86
detector_21_7	Ø=155, x=122

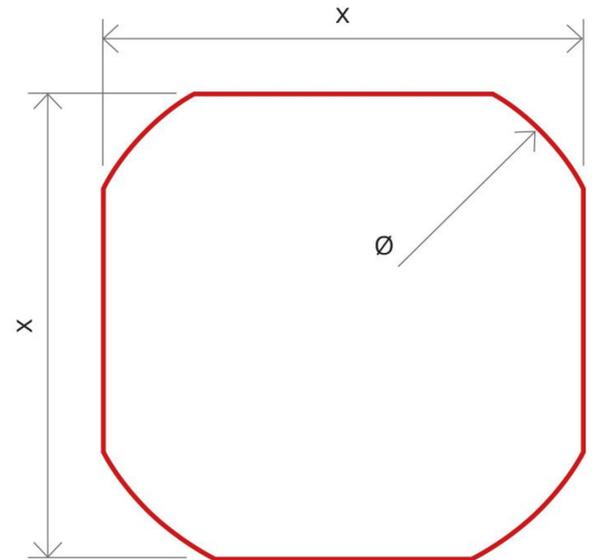


Image shape dimensions (Ø, x)

NOTES

1. Working distance: distance between the front end of the mechanics and the object. Set this distance within +/- 3% of the nominal value for maximum resolution and minimum distortion.
2. Working F-number (wF/#): the real F-number of a lens in operating conditions.
3. Maximum angle between chief rays and optical axis on the object side.
4. Percent deviation of the real image compared to an ideal, undistorted image: typical (average production) values and maximum (guaranteed) values are listed.
5. 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.
6. In case the of vignetting, FOV dimensions are indicated with "Ø = , x = ", where "Ø =" stands for diameter and "x=" indicates the nominal FOV height and length (see [Tech Info](#) for related drawing).
7. Indicates the dimensions and shape of image, where "Ø =" stands for diameter and "x=" indicates the nominal image height and length (see [Tech Info](#) for related drawing)

All product specifications and data are subject to change without notice to improve reliability, functionality, design or other. Photos and pictures are for illustration purposes only.