TCSM080

3D bi-telecentric lens with Scheimpflug adjustment

SPECIFICATIONS

Magnification (at 0°)		0.110
Max object tilt	(deg)	45
Max Mount tilt	(deg)	6.3

Long detector side horizontal - Field of view (mm x mm)

1/3" (4.8 x 3.6)	(mm x mm)	43.6x45.9
1/2" (6.4 x 4.8)	(mm x mm)	58.2x61.2
2/3" (8.8 x 6.6)	(mm x mm)	80.0x84.2

Long detector side vertical - Field of view (mm x mm)

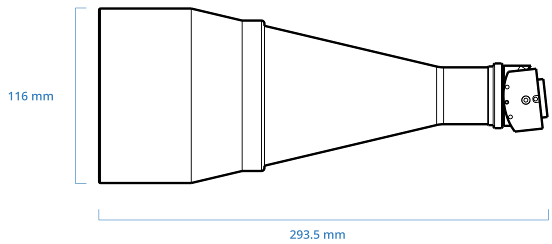
1/3" (3.6 x 4.8)	(mm x mm)	32.7x61.2
1/2" (4.8 x 6.4)	(mm x mm)	43.6x81.7
2/3" (6.6 x 8.8)	(mm x mm)	60x112.3

Optical specifications

Working distance 1	(mm)	226.7
wF/# 2		8
Field depth	(mm)	23
CTF @ 50 lp/mm		40

Mechanical specifications

Mount		C
Maximum length	(mm)	293.5
Front diameter	(mm)	116
Mass	(g)	1700



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: the real F-number of a lens when used as a macro.

COMPATIBLE PRODUCTS

LTRN series
LED ring illuminators

LTRN080RD	Ring LED illuminator, inner diameter 116 mm, straight type, red 630 nm
LTRN080GR	Ring LED illuminator, inner diameter 116 mm, straight type, green 525 nm
LTRN080BL	Ring LED illuminator, inner diameter 116 mm, straight type, blue 470 nm
LTRN080NW	Ring LED illuminator, inner diameter 116 mm, straight type, white