

DTCM110-80-AL

C-mount Bi-telecentric Lens

- Optimized for 1/2.5"~1.1" C-Mount cameras;
- Largest FOV from 26mm upto 300mm;
- Excellent resolution for high pixel cameras;
- Low distortion, good telecentricity, big aperture and big depth of field for high end application.



Optical Specifications	
Magnification (x)	0.206
Object Field of View (Φmm)	80
Working Distance (mm)	228±4
Max Sensor Size (Φmm)	16.6(1")
Best Aperture (F/#)	9.8
Telecentricity typical (max) (deg)	<0.1
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>90
Depth of Field (mm)	±15.0@F16
Length of I/O (mm)	446±4

Field of View (mm × mm)	
1" PYTHON 5000(12.43x9.83)	60.3x47.7
1" IMX255(14.19x7.51)	68.9x36.5
1" IMX183(13.13x8.76)	63.7x42.5
Mechanical Specifications	
Mount	C
Length (mm)	200.4
Weight (kg)	1.6
Compatible Lighting	
Telecentric LED Lighting	DTCL-80-xW-y
	Beam Diameter 80mm

Notes:

1. Depth of Field is calculated value, this value could be used for imaging test, but to get sharp image in application, half of calculated value is suggested.
2. Length of I/O = WD + Length + Back Focal Length.

