

DTCM125-80H-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)	0.090
Object Field of View (Φmm)	80
Working Distance (mm)	228±4
Max Sensor Size (Φmm)	7.2(1/2.5")
Best Aperture (F/#)	4.2
Telecentricity typical (max) (deg)	<0.1
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>205
Depth of Field (mm)	±54.3@F11
Length of I/O (mm)	413±4

Field of View (mm × mm)	
1/3" AR130/RJ33 (4.8x3.6)	53.3x40.0
1/2.5" 9P001/31 (5.7x4.28)	63.3x47.6
Mechanical Specifications	
Mount	C
Length (mm)	167.5
Weight (kg)	1.9
Compatible Lighting	
Telecentric LED Lighting	DTCL-80H-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.

