

DTCM111-170-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)	0.108
Object Field of View (Φmm)	170
Working Distance (mm)	318±5
Max Sensor Size (Φmm)	18.4(1.1")
Best Aperture (F/#)	6.2
Telecentricity typical (max) (deg)	<0.1
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>150
Depth of Field (mm)	±37.7@F11
Length of I/O (mm)	751±5

Field of View (mm × mm)	
1" IMX183 (13.13x8.76)	121.6x81.1
1.1" IMX253 (14.19x10.38)	131.4x96.1
Mechanical Specifications	
Mount	C
Length (mm)	415.6
Weight (kg)	6.6
Compatible Lighting	
Telecentric LED Lighting	DTCL-170-xW-y
	Beam Diameter 170mm

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.

