

# DTCM125-300-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)	0.024
Object Field of View (Φmm)	300
Working Distance (mm)	465±6
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)	±763@F11
Length of I/O (mm)	1101±6

Field of View (mm × mm)	
1/3" AR130/RJ33 (4.8x3.6)	200.0x150.0
1/2.5" 9P001/31 (5.7x4.28)	237.5x178.3
Mechanical Specifications	
Mount	C
Length (mm)	618.5
Weight (kg)	46.6
Compatible Lighting	
Telecentric LED Lighting	DTCL-300-xW-y
	Beam Diameter 300mm

**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.

