

# DTCM110-300-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)	0.055
Object Field of View (Φmm)	300
Working Distance (mm)	465±6
Max Sensor Size (Φmm)	16.6(1")
Best Aperture (F/#)	6.5
Telecentricity typical (max) (deg)	<0.1
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>135
Depth of Field (mm)	±211.6@F16
Length of I/O (mm)	1134±6

Field of View (mm × mm)	
1" PYTHON 5000(12.43x9.83)	226.0x178.7
1" IMX255(14.19x7.51)	258.0x136.5
1" IMX183(13.13x8.76)	238.7x159.3
Mechanical Specifications	
Mount	C
Length (mm)	651.5
Weight (kg)	46.7
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.

