

# DTCM110-72-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)	0.231
Object Field of View (Φmm)	72
Working Distance (mm)	178
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)	±12.0@F16
Length of I/O (mm)	406±3

Field of View (mm × mm)	
1" PYTHON 5000(12.43x9.83)	53.8x42.6
1" IMX255(14.19x7.51)	61.4x32.5
1" IMX183(13.13x8.76)	56.8x37.9
Mechanical Specifications	
Mount	C
Length (mm)	210.5
Weight (kg)	1.2

Compatible Lighting	
Telecentric LED Lighting	DTCL-72-xW-y
	Beam Diameter 72mm

### 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.

