

# DTCM110-190H-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)	0.087
Object Field of View (Φmm)	190
Working Distance (mm)	330±5
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)	>140
Depth of Field (mm)	±84.6@F16
Length of I/O (mm)	779±5

Field of View (mm × mm)	
1" PYTHON 5000(12.43x9.83)	142.9x113.0
1" IMX255(14.19x7.51)	163.1x86.3
1" IMX183(13.13x8.76)	150.9x100.7
Mechanical Specifications	
Mount	C
Length (mm)	431.7
Weight (kg)	9.7
Compatible Lighting	
Telecentric LED Lighting	DTCL-190H-xW-y
	Beam Diameter 190mm

### 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.

