

# DTCM111-190H-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)	0.097
Object Field of View (Φmm)	190
Working Distance (mm)	330±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)	±46.7@F11
Length of I/O (mm)	791±5

Field of View (mm × mm)	
1" IMX183 (13.13x8.76)	135.4x90.3
1.1" IMX253 (14.19x10.38)	146.3x107.0
Mechanical Specifications	
Mount	C
Length (mm)	443.0
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.

