

DTCM111-190-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 (Φ mm)	190
Working Distance (mm)	330 \pm 5
Max Sensor Size (Φ mm)	18.4(1.1")
Best Aperture (F/#)	6.2
Telecentricity typical (max) (deg)	<0.1
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>145
Depth of Field (mm)	\pm 46.7@F11
Length of I/O (mm)	791 \pm 5

Field of View (mm × mm)	
14.19x10.38 with IMX253	146.3x107.0
Mechanical Specifications	
Mount	C
Length (mm)	443.0
Weight (kg)	11.2
Compatible Lighting	
Telecentric LED Lighting	DTCL-190-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.

