

# DTCM230-100H-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)	0.114
Object Field of View (Φmm)	100
Working Distance (mm)	238±4
Max Sensor Size (Φmm)	11.4(2/3")
Best Aperture (F/#)	4.9
Telecentricity typical (max) (deg)	<0.1
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>185
Depth of Field (mm)	±33.8@F11
Length of I/O (mm)	515±4

Field of View (mm × mm)	
1/1.8" EV76C570 (7.2x5.4)	63.2x47.4
1/1.7" IMX226 (7.5x5.6)	65.8x49.1
2/3" IMX250/264 (8.45x7.1)	74.1x62.3
Mechanical Specifications	
Mount	C
Length (mm)	259.7
Weight (kg)	3.1
Compatible Lighting	
Telecentric LED Lighting	DTCL-100H-xW-y
	Beam Diameter 100mm

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.

