

## DTCM230-100-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 ( $\Phi$ mm)	100	
Working Distance (mm)	258±4	
Max Sensor Size (Фmm)	11.4(2/3")	
Best Aperture (F/#)	5.4	
Telecentricity typical (max) (deg)	<0.1	
Distortion typical (max) (%)	<0.1	
MTF30 (lp/mm)	>170	
Depth of Field (mm)	±33.8@F11	
Length of I/O (mm)	516±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		С
Length (mm)		240.4
Weight (kg)		3.1
Compatible Lighting		
Telecentric LED Lighting	DTCL-100-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.

