

DTCM230-42

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)	0.271
Object Field of View (Φmm)	42
Working Distance (mm)	118±3
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)	±6.0@F11
Length of I/O (mm)	259±3

Field of View (mm × mm)	
1/1.8" EV76C570 (7.2x5.4)	26.6x19.9
1/1.7" IMX226 (7.5x5.6)	27.7x20.7
2/3" IMX250/264 (8.45x7.1)	31.2x26.2
Mechanical Specifications	
Mount	C
Length (mm)	123.4
Weight (kg)	0.4
Compatible Lighting	
Telecentric LED Lighting	DTCL-42-xW-y Beam Diameter 42mm

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.

