

DTCM230-80H-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)	0.142
Object Field of View (Φmm)	80
Working Distance (mm)	228±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)	>180
Depth of Field (mm)	±21.7@F11
Length of I/O (mm)	428±4

Field of View (mm × mm)	
8.47x7.1 with ICX625/655	59.6x50.0
Mechanical Specifications	
Mount	C
Length (mm)	182.0
Weight (kg)	1.9
Compatible Lighting	
Telecentric LED Lighting	DTCL-80-xW-y
	Beam Diameter 80mm

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.

