

DTCM118-80H-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)	0.113
Object Field of View (Φmm)	80
Working Distance (mm)	228±4
Max Sensor Size (Φmm)	9.0(1/1.8")
Best Aperture (F/#)	4.6
Telecentricity typical (max) (deg)	<0.1
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>195
Depth of Field (mm)	±34.8@F11
Length of I/O (mm)	418±4

Field of View (mm × mm)	
1/1.8" IMX178 (7.43x4.9)	65.8x43.4
1/1.8" IMX252/265 (7.1x5.3)	62.8x46.9
Mechanical Specifications	
Mount	C
Length (mm)	172.4
Weight (kg)	1.9
Compatible Lighting	
Telecentric LED Lighting	DTCL-80H-xW-y
	Beam Diameter 80Hmm

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.

