

# DTCM118-240H-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)	0.038
Object Field of View (Φmm)	240
Working Distance (mm)	410±6
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)	>200
Depth of Field (mm)	±313@F11
Length of I/O (mm)	972±6

Field of View (mm × mm)	
1/1.8" IMX178 (7.43x4.9)	195.5x128.9
1/1.8" IMX252/265 (7.1x5.3)	186.8x139.5
Mechanical Specifications	
Mount	C
Length (mm)	544.9
Weight (kg)	19.1
Compatible Lighting	
Telecentric LED Lighting	DTCL-240-xW-y
	Beam Diameter 240mm

### 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.

