

DTCM118-216-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)	0.042
Object Field of View (Φmm)	216
Working Distance (mm)	372±5
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)	±249@F11
Length of I/O (mm)	889±5

Field of View (mm × mm)	
1/1.8" IMX178 (7.43x4.9)	176.9x116.7
1/1.8" IMX252/265 (7.1x5.3)	169.0x126.2
Mechanical Specifications	
Mount	C
Length (mm)	499.1
Weight (kg)	13.7
Compatible Lighting	
Telecentric LED Lighting	DTCL-216-xW-y
	Beam Diameter 216mm

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.

