

DTCM120-90-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)	0.089	
Object Field of View (Φ mm)	90	
Working Distance (mm)	208±3	
Max Sensor Size (Фmm)	8.0(1/2")	
Best Aperture (F/#)	4.2	
Telecentricity typical (max) (deg)	<0.1	
Distortion typical (max) (%)	<0.1	
MTF30 (lp/mm)	>210	
Depth of Field (mm)	±55.5@F11	
Length of I/O (mm)	432±3	



Field of View (mm × mm)			
1/2.5" 9P001/31 (5.7x4.28)		64.0x48.1	
1/2.3" 9J003 (6.44x4.62)		72.4x51.9	
Mechanical Specifications			
Mount		С	
Length (mm)		206.2	
Weight (kg)		1.6	
Compatible Lighting			
Telecentric LED Lighting	DT	CL-90-xW-y	
	Beam Diameter 90mm		

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.

