

DTCM120-48-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)	0.167	
Object Field of View (Фmm)	48	
Working Distance (mm)	128±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)	>200	
Depth of Field (mm)	±15.7@F11	
Length of I/O (mm)	272±3	



Field of View (mm × mm)		
1/2.5" 9P001/31 (5.7x4.28)		34.1x25.6
1/2.3" 9J003 (6.44x4.62)		38.6x27.7
Mechanical Specifications		
Mount		С
Length (mm)		126.2
Weight (kg)		0.4
Compatible Lighting		
Telecentric LED Lighting	DTCL-48-xW-y	
	Beam Diameter 48mm	

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.



