DTCM110-64H-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)	0.259
Object Field of View (Φmm)	64
Working Distance (mm)	158±3
Max Sensor Size (Φmm)	16.6(1")
Best Aperture (F/#)	6.5
Telecentricity typical (max) (deg)	<0.1
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>130
Depth of Field (mm)	±9.5@F16
Length of I/O (mm)	366±3

Field of View (mm × mm)	
1" PYTHON 5000(12.43x9.83)	48.0x38.0
1" IMX255(14.19x7.51)	54.8x29.0
1" IMX183(13.13x8.76)	50.7x33.8
Mechanical Specifications	
Mount	C
Length (mm)	190.5
Weight (kg)	0.9

Compatible Lighting	
Telecentric LED Lighting	DTCL-64H-xW-y
	Beam Diameter 64Hmm

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.