

DTCM175-100-AL

Large Format Bi-telecentric Lens

- Optimized for 4/3"~44mm M-mount or other mount cameras;
- FOV from 26mm upto 300mm;
- High resolution, low distortion and homogeneous image quality;
- Full test report for each units are provided;
- Customized mounts available.



Optical Specifications	
Magnification (x)	0.290
Object Field of View (Φmm)	100
Working Distance (mm)	258±4
Max Sensor Size (Φmm)	29(1.75")
Best Aperture (F/#)	11.3
Telecentricity typical (max) (deg)	<0.1
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>70
Depth of Field (mm)	±9.5@F20
Length of I/O (mm)	582±4

Field of View (mm × mm)	
1.75" CMV12000 (22.53x16.90)	77.7x58.3
1.75" PYTHON16k (18.43x18.43)	63.6x63.6
1.75" LineScan-4k (28.8mm)	99.3mm
Mechanical Specifications	
Mount	M58 or other
Length(mm)	311.6
Weight(kg)	3.6
Compatible Lighting	
Telecentric LED Lighting	DTCL-100-xW-y
	Beam Diameter 100mm

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.

