

DTCM175-80H-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)	0.363
Object Field of View (Φmm)	80
Working Distance (mm)	228±4
Max Sensor Size (Φmm)	29(1.75")
Best Aperture (F/#)	6.8
Telecentricity typical (max) (deg)	<0.1
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>130
Depth of Field (mm)	±4.9@F16
Length of I/O (mm)	493±4

Field of View (mm × mm)	
1.75" CMV12000 (22.53x16.90)	62.1x46.6
1.75" PYTHON16k (18.43x18.43)	50.8x50.8
1.75" LineScan-4k (28.8mm)	79.3mm
Mechanical Specifications	
Mount	M58 or other
Length(mm)	253.3
Weight(kg)	2.4
Compatible Lighting	
Telecentric LED Lighting	DTCL-80H-xW-y
	Beam Diameter 80Hmm

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.

