

## DTCM175-100H-M58-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 ( $\Phi$ mm)	100	
Working Distance (mm)	238±4	
Max Sensor Size (Фmm)	29(1.75")	
Best Aperture (F/#)	6.8	
Telecentricity typical (max) (deg)	<0.1	
Distortion typical (max) (%)	<0.1	
MTF30 (lp/mm)	>132	
Depth of Field (mm)	±7.6@F16	
Length of I/O (mm)	581±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)		331.0
Weight(kg)		3.6
Compatible Lighting		
Telecentric LED Lighting	DTCL-100H-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.

