

DTCM175-120-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)	0.242
Object Field of View (Φmm)	120
Working Distance (mm)	280±5
Max Sensor Size (Φmm)	29(1.75")
Best Aperture (F/#)	9.7
Telecentricity typical (max) (deg)	<0.1
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>90
Depth of Field (mm)	±13.6@F20
Length of I/O (mm)	644±5

Field of View (mm × mm)	
22.53x16.90 with CMV12000	93.1x69.8
18.43x18.43 with PYTHON16k	76.2x76.2
28.8mm with LineScan-2k/4k/8k	119.0mm
Mechanical Specifications	
Mount	M58 or other
Length(mm)	352.0
Weight(kg)	4.7
Compatible Lighting	
Telecentric LED Lighting	DTCL-120-xW-y
	Beam Diameter 120mm

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.

