

# DTCM430-190-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)	0.126
Object Field of View (Φmm)	190
Working Distance (mm)	330±5
Max Sensor Size (Φmm)	24(4/3")
Best Aperture (F/#)	7.5
Telecentricity typical (max) (deg)	<0.1
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>120
Depth of Field (mm)	±40.3@F16
Length of I/O (mm)	816±5

Field of View (mm × mm)	
18.13×13.6 with KAI-08050	143.9×107.9
18.48×13.73 with CMV8000	146.7×109.0
Mechanical Specifications	
Mount	M58 or other
Length (mm)	473.8
Weight (kg)	11.5
Compatible Lighting	
Telecentric LED Lighting	DTCL-190-xW-y
	Beam Diameter 190mm

### 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.

