

# DTCM35FH-190H-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)	0.229
Object Field of View (Φmm)	190
Working Distance (mm)	330±5
Max Sensor Size (Φmm)	43.6(35mm Full)
Best Aperture (F/#)	6
Telecentricity typical (max) (deg)	<0.1
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>130
Depth of Field (mm)	±8.4@F11
Length of I/O (mm)	880±5

Field of View (mm x mm)	
CMV50000 (36.43x27.62)	159.1x120.6
KAI29050/2 (36.17x24.11)	157.9x105.3
KAI43142 (36.18x24.12)	158.0x105.3
Mechanical Specifications	
Mount	M58
Length (mm)	537.5
Weight (kg)	10.6
Compatible Lighting	
Telecentric LED Lighting	DTCL-190H-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.

