

# DTCM35FH-110-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)	0.396
Object Field of View (Φmm)	110
Working Distance (mm)	263±4
Max Sensor Size (Φmm)	44(35mm Full)
Best Aperture (F/#)	9.3
Telecentricity typical (max) (deg)	<0.1
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>90
Depth of Field (mm)	±4.1@F16
Length of I/O (mm)	669±4

Field of View (mm x mm)	
CMV50000 (36.43x27.62)	92.0x69.7
KAI29050/2 (36.17x24.11)	91.3x60.9
KAI43142 (36.18x24.12)	91.4x60.9
Mechanical Specifications	
Mount	M58
Length (mm)	393.9
Weight (kg)	3.4
Compatible Lighting	
Telecentric LED Lighting	DTCL-110-xW-y
	Beam Diameter 110mm

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.

