

# DTCM35FH-42-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)	1.038
Object Field of View (Φmm)	42
Working Distance (mm)	118±3
Max Sensor Size (Φmm)	44(35mm Full)
Best Aperture (F/#)	17.1
Telecentricity typical (max) (deg)	<0.1
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>50
Depth of Field (mm)	±0.7@F20
Length of I/O (mm)	378±3

Field of View (mm × mm)	
CMV50000 (36.43x27.62)	35.1x26.6
KAI29050/2 (36.17x24.11)	34.8x23.2
KAI43142 (36.18x24.12)	34.9x23.2
Mechanical Specifications	
Mount	M58
Length (mm)	247.8
Weight (kg)	1.2
Compatible Lighting	
Telecentric LED Lighting	DTCL-42-xW-y
	Beam Diameter 42mm

### 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.

