

# DTCM430H-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)	0.562
Object Field of View (Φmm)	42
Working Distance (mm)	118±3
Max Sensor Size (Φmm)	23.6(4/3")
Best Aperture (F/#)	9.3
Telecentricity typical (max) (deg)	<0.1
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>96
Depth of Field (mm)	±2.5@F20
Length of I/O (mm)	304±3

Field of View (mm × mm)	
4/3" Keyence 21M (17.86x14.32)	31.8x25.5
4/3" PYTHON 12K (18.43x13.82)	32.8x24.6
4/3" CMV8000 (18.48x13.73)	32.9x24.4
Mechanical Specifications	
Mount	M42/M58/F
Length (mm)	174.1
Weight (kg)	0.9
Compatible Lighting	
Telecentric LED Lighting	DTCL-42-xW-y
	Beam Diameter 42 mm

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.

