

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 (Φ mm)	42	
Working Distance (mm)	118±3	
Max Sensor Size (Фmm)	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.

