

DTCM210-42-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)	0.786
Object Field of View (Φmm)	42
Working Distance (mm)	118±3
Max Sensor Size (Φmm)	33(2")
Best Aperture (F/#)	12.9
Telecentricity typical (max) (deg)	<0.1
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>65
Depth of Field (mm)	±1.2@F20
Length of I/O (mm)	341±3

Field of View (mm × mm)	
26.93x17.95 with KAI-16050	34.3x22.8
23.04x23.04 with PYTHON 25K	29.3x29.3
Mechanical Specifications	
Mount	M58 or other
Length (mm)	210.5
Weight (kg)	1.0
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.

