

DTCM35FH-100H-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)	0.436
Object Field of View (Φmm)	100
Working Distance (mm)	238±4
Max Sensor Size (Φmm)	43.6(35mm Full)
Best Aperture (F/#)	10.3
Telecentricity typical (max) (deg)	<0.1
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>91
Depth of Field (mm)	±4.2@F20
Length of I/O (mm)	634±4

Field of View (mm × mm)	
CMV50000 (36.43x27.62)	83.6x63.3
KAI29050/2 (36.17x24.11)	83.0x55.3
KAI43142 (36.18x24.12)	83.0x55.3
Mechanical Specifications	
Mount	M58
Length (mm)	384.0
Weight (kg)	3.8
Compatible Lighting	
Telecentric LED Lighting	DTCL-100H-xW-y
	Beam Diameter 100mm

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.

