

DTCM35FH-120H-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)	0.363
Object Field of View (Φmm)	120
Working Distance (mm)	273±5
Max Sensor Size (Φmm)	44(35mm Full)
Best Aperture (F/#)	8.5
Telecentricity typical (max) (deg)	<0.1
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>105
Depth of Field (mm)	±4.9@F16
Length of I/O (mm)	691±5

Field of View (mm × mm)	
CMV50000 (36.43x27.62)	100.4x76.1
KAI29050/2 (36.17x24.11)	99.6x66.4
KAI43142 (36.18x24.12)	99.7x66.4
Mechanical Specifications	
Mount	M58
Length (mm)	405.6
Weight (kg)	5.0
Compatible Lighting	
Telecentric LED Lighting	DTCL-120H-xW-y
	Beam Diameter 120mm

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.

