

# DTCM71M-48-AL

## F-mount Bi-telecentric Lens

- Optimized for 4/3"~35mm F-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)	0.813
Object Field of View (Φmm)	48
Working Distance (mm)	128±3
Max Sensor Size (Φmm)	39
Best Aperture (F/#)	15.3
Telecentricity typical (max) (deg)	<0.1
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>50
Depth of Field (mm)	±1.2@F20
Length of I/O (mm)	380±3

Field of View (mm × mm)	
31.0x21.7 with CHR 70M	38.1x26.7
Mechanical Specifications	
Mount	F or Other
Length (mm)	205.7
Weight (kg)	0.8
Compatible Lighting	
Telecentric LED Lighting	DTCL-48-xW-y
	Beam Diameter 48mm

### 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.

