

# DTCM71M-90-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)	0.433
Object Field of View (Φmm)	90
Working Distance (mm)	208±3
Max Sensor Size (Φmm)	39
Best Aperture (F/#)	10.2
Telecentricity typical (max) (deg)	<0.1
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>85
Depth of Field (mm)	±4.2@F20
Length of I/O (mm)	540±3

Field of View (mm × mm)	
31.0x21.7 with CHR 70M	71.6x50.1
Mechanical Specifications	
Mount	F or Other
Length (mm)	285.7
Weight (kg)	2.1
Compatible Lighting	
Telecentric LED Lighting	DTCL-90-xW-y
	Beam Diameter 90mm

### 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.

