

## DTCM16K-90-T90-AL

## Linescan Bi Telecentric Lens

- Optimized for large field vision system with excellent imaging quality;
- Optimized for high accuracy vision system with bitelecentric design;
- Optimized for 4K and 8K line scan cameras, support 16K line scan camera and upto 47M area cameras;
- Quality guarantee by Full test report for each lens;
- Customized Mounts, F/#, DOF Etc.

Optical Specifications		
Magnification (x)	0.656	
Object Field of View (0mm)	90	
Working Distance (mm)	208±3	
Max Sensor Size (Фmm)	59	
Best Aperture (F/#)	15.4	
Telecentricity typical (max) (deg)	<0.1	
Distortion typical (max) (%)	<0.1	
MTF30 (lp/mm)	>50	
Depth of Field (mm)	±1.3@F20	
Length of I/O (mm)	595±3	



Field of View (mm × mm)		
48.7×29.0 with KAI-47051		74.2x44.2
57.4mm with 16K×3.5/3.53um		87.5mm
57.4mm with 8K×7um/7.04um		87.5mm
Mechanical Specifications		
Mount		M72
Length (mm)		293.5t
Weight (kg)		3.1
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.

