

# DTCM16K-80H-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)	0.738
Object Field of View (Φmm)	80
Working Distance (mm)	228±4
Max Sensor Size (Φmm)	59
Best Aperture (F/#)	9.9
Telecentricity typical (max) (deg)	<0.1
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>85
Depth of Field (mm)	±1.6@F22
Length of I/O (mm)	580±4

Field of View (mm × mm)	
48.7×29.0 with KAI-47051	66.0×39.3
57.4mm with 16K×3.5/3.53um	77.8mm
57.4mm with 8K×7um/7.04um	77.8mm
Mechanical Specifications	
Mount	M72
Length (mm)	340.0
Weight (kg)	3.4
Compatible Lighting	
Telecentric LED Lighting	DTCL-80-xW-y
	Beam Diameter 80mm

**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.

