

# DTCM16K-240H-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)	0.246
Object Field of View (Φmm)	240
Working Distance (mm)	410±6
Max Sensor Size (Φmm)	59
Best Aperture (F/#)	8.7
Telecentricity typical (max) (deg)	<0.1
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>100
Depth of Field (mm)	±14.6@F22
Length of I/O (mm)	1135±6

Field of View (mm × mm)	
48.7×29.0 with KAI-47051	198.0×117.9
57.4mm with 16K×3.5/3.53um	233.3mm
57.4mm with 8K×7um/7.04um	233.3mm
Mechanical Specifications	
Mount	M72
Length (mm)	712.5
Weight (kg)	20.7
Compatible Lighting	
Telecentric LED Lighting	DTCL-240H-xW-y Beam Diameter 240Hmm

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.

