

# DTCA16K-62-AL

## High Performance Industrial Lens

- DTCA series lenses are designed specially for compatibility with large sensor.
- Support newest developments in machine vision field: 24K line scan camera and 150Mp area scan camera.
- Extreme imaging aperture, extraordinary aberration correction, diffraction limited imaging resolution.
- Big aperture, good telecentricity, near zero distortion, big depth for high quality imaging.



Optical Specifications	
Magnification (x)	1.0
Object Field of View (Φmm)	62
Working Distance (mm)	102±2
Max Sensor Size (Φmm)	62
Best Aperture (F/#)	7.0
Telecentricity typical (max) (deg)	<0.62
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>110
Depth of Field (mm)	±0.3@F7
Length of I/O (mm)	400±2

Field of View (mm x mm)	
KAI-47051(48.7x29.0)	48.7x29.0
Linescan-12K 5um(61.44mm)	61.4mm
Linescan-16K 3.5/3.53um(57.4mm)	57.4mm
Mechanical Specifications	
Mount	M72
Length (mm)	285.9
Weight (kg)	3.1
Coaxial Light	No
Iris	No

### 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.

