

DTCA16K-72.7-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)	0.853
Object Field of View (Φmm)	72.7
Working Distance (mm)	125±3
Max Sensor Size (Φmm)	62
Best Aperture (F/#)	6.0
Telecentricity typical (max) (deg)	<0.3
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>135
Depth of Field (mm)	±0.3@F6
Length of I/O (mm)	650±3

Field of View (mm x mm)	
KAI-47051(48.7x29.0)	57.1x34.0
Linescan-12K 5um (61.44mm)	72.0mm
Linescan-16K 3.5/3.53um (57.4mm)	67.3mm
Mechanical Specifications	
Mount	M72
Length (mm)	513.0
Weight (kg)	-
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.

