

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) | <0.1 |
| 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.

