

# DTCA24K-75-M95-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)	1.173
Object Field of View (Φmm)	75
Working Distance (mm)	152±3
Max Sensor Size (Φmm)	88
Best Aperture (F/#)	7.0
Telecentricity typical (max) (deg)	<0.1
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>115
Depth of Field (mm)	±0.2@F7
Length of I/O (mm)	650±3

Field of View (mm × mm)	
64.32x48.38 with DALSA 86M	54.8x46.4
81.9mm with Linescan-16K 5μm	69.8mm
86.0mm with Linescan-24K 3.5μm	73.3mm
Mechanical Specifications	
Mount	M95
Length (mm)	486.0
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.

