

# DTCA23K-93.7-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)	0.875
Object Field of View (Φmm)	93.7
Working Distance (mm)	140±3
Max Sensor Size (Φmm)	82
Best Aperture (F/#)	9.5
Telecentricity typical (max) (deg)	<0.08
Distortion typical (max) (%)	<0.03
MTF30 (lp/mm)	>97
Depth of Field (mm)	±0.5@F9.5
Length of I/O (mm)	620±3

Field of View (mm × mm)	
DALSA 86M (64.32X37.2)	73.5x55.3
Linescan-16K 5um (23.04X23.04)	93.6

Mechanical Specifications	
Mount	M95
Length(mm)	468.1
Weight(kg)	6.0
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.

