COOLENS®

DTCA24K-92-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)	0.96
Object Field of View (Φmm)	91.6
Working Distance (mm)	153±3
Max Sensor Size (Φmm)	88
Best Aperture (F/#)	8.0
Telecentricity typical (max) (deg)	<0.1
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>90
Depth of Field (mm)	±0.3@F8
Length of I/O (mm)	621±3

Field of View (mm × mm)	
64.32x48.38 with DALSA 86M	67.0x50.4
81.9mm with Linescan-16K 5μm	85.3mm
86.0mm with Linescan-24K 3.5μm	89.6mm
Mechanical Specifications	
Mount	M95
Length (mm)	458.5
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.

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