

DTCA35F-94C-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)	0.462
Object Field of View (Φmm)	94
Working Distance (mm)	378±4
Max Sensor Size (Φmm)	43.4
Best Aperture (F/#)	8.0
Telecentricity typical (max) (deg)	<0.1
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>115
Depth of Field (mm)	±1.5@F8
Length of I/O (mm)	847±4

Field of View (mm × mm)	
CMV50000(36.43x27.62)	78.9x59.8
KAI29050/2(36.17x24.11)	78.3x52.2
KAI43142(36.18x24.12)	78.3x52.2
Mechanical Specifications	
Mount	M58
Length (mm)	456.9
Weight (kg)	3.7
Coaxial Light	Yes
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.

