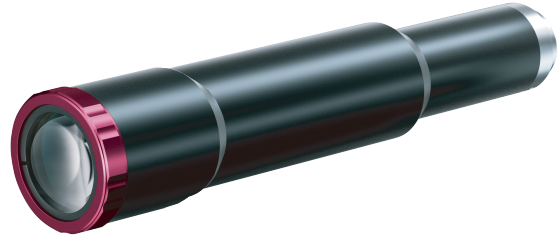**COOLENS**®

DTCA121-7.3

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)	2.74
Object Field of View (Φmm)	7.3
Working Distance (mm)	64±1
Max Sensor Size (Φmm)	20(1.2")
Best Aperture (F/#)	8.5
Telecentricity typical (max) (deg)	0.03
Distortion typical (max) (%)	0.02
MTF30 (lp/mm)	>105
Depth of Field (mm)	±0.05@F7.3
Length of I/O (mm)	260±1

Field of View (mm × mm)	
1.2" IMX530/540 (14.6x12.6)	5.33x4.59

Mechanical Specifications	
Mount	C
Length(mm)	188.3
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.