

DTCA210-215-M42-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)	0.1536
Object Field of View (Φmm)	215
Working Distance (mm)	220±3
Max Sensor Size (Φmm)	2"
Best Aperture (F/#)	8
Telecentricity typical (max) (deg)	<0.1
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>90
Depth of Field (mm)	±13.6@F10
Length of I/O (mm)	601±3

Field of View (mm × mm)	
2" DALSA 12M (24.58x18.43)	160x120
2" PYTHON 25K (23.04x23.04)	150x150

Mechanical Specifications	
Mount	M42
Length(mm)	369.0
Weight(kg)	8.7
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.

