

# DTCA210-44.8-M58-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)	0.7
Object Field of View (Φmm)	44.8
Working Distance (mm)	90±1
Max Sensor Size (Φmm)	33(2")
Best Aperture (F/#)	7.8
Telecentricity typical (max) (deg)	NA
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>90
Depth of Field (mm)	±0.05@F7.8
Length of I/O (mm)	298.2±1

Field of View (mm × mm)	
2" PYTHON 25K (23.04X23.04)	31.3x31.3

Mechanical Specifications	
Mount	M58
Length(mm)	194.2
Weight(kg)	0.8
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.

