

DTCA175-15.7-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)	1.846
Object Field of View (Φmm)	15.7
Working Distance (mm)	71±1
Max Sensor Size (Φmm)	29(1.75")
Best Aperture (F/#)	20.0
Telecentricity typical (max) (deg)	<0.1
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>45
Depth of Field (mm)	±2.5@F20
Length of I/O (mm)	395±1

Field of View (mm × mm)	
1.75" IMX342 (22.3X16.7)	12.1x9

Mechanical Specifications	
Mount	M58
Length(mm)	311.9
Weight(kg)	1.25
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.

