

# DTCA230-66

## 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)	0.166
Object Field of View (Φmm)	66
Working Distance (mm)	173±3
Max Sensor Size (Φmm)	11.0(2/3")
Best Aperture (F/#)	3.3
Telecentricity typical (max) (deg)	<0.1
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>260
Depth of Field (mm)	±4.8@F3.3
Length of I/O (mm)	337±3

Field of View (mm × mm)	
1/1.8" EV76C570 (7.2x5.4)	43.4x32.5
1/1.7" IMX226 (7.5x5.6)	45.2x33.7
2/3" IMX250/264 (8.45x7.1)	50.9x42.8
Mechanical Specifications	
Mount	C
Length(mm)	146.5
Weight(kg)	0.6
Coaxial Light	No
Iris	Yes

## 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.

