

# DTCA35F-11-G-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)	4.00
Object Field of View (Φmm)	11
Working Distance (mm)	60
Max Sensor Size (Φmm)	44
Aperture (F/#)	11.1-32
Telecentricity typical (max) (deg)	0.02
Distortion typical (max) (%)	0.02
Image NA'	0.045-0.015665
Object NA	0.18-0.06266
Depth of Field (mm)	0.06-0.16
Resolution (um)	1.9-5.4
MTF30 (lp/mm)	90-32

Field of View (mm × mm)	
CMV50000(36.43x27.62)	9.1x6.9
KAI29050/2(36.17x24.11)	9.0x6.0
KAI43142(36.18x24.12)	9.0x6.0
Mechanical Specifications	
Mount	M58
Length (mm)	353.2
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.

