

DTCA35F-82-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)	0.53	
Object Field of View (Φ mm)	82	
Working Distance (mm)	338±4	
Max Sensor Size (Φ mm)	43.4	
Best Aperture (F/#)	10	
Telecentricity typical (max) (deg)	<0.05	
Distortion typical (max) (%)	<0.03	
MTF30 (lp/mm) >90		
Depth of Field (mm)	±2.8@F20	
Length of I/O (mm)	814±4	

Field of View (mm × mm)			
CMV50000(36.43x27.62)	68.7x52.1		
KAI29050/2(36.17x24.11)	68.2x45.5		
KAI43142(36.18x24.12)	68.3x45.5		
Mechanical Specifications			
Mount	M58		
Length (mm)	464.4		
Weight (kg)	3.7		
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.

