

# VCM110-72-AL

## C-mount Bi-telecentric Lens

- Optimized for 1/2.5"~1.1" C-Mount cameras;
- Largest FOV from 26mm upto 300mm;
- Excellent resolution for high pixel cameras;
- Low distortion, good telecentricity, big aperture and big depth of field for high end application.



Optical Specifications	
Magnification (x)	0.232
Object Field of View (Φmm)	72
Working Distance (mm)	178±2
Max Sensor Size (Φmm)	16.6(1")
Best Aperture (F/#)	6
Telecentricity typical (max) (deg)	<0.1
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>170
Depth of Field (mm)	±3
Length of I/O (mm)	404

Field of View (mm × mm)	
12.85×9.64 with KAI-04050	55.3×41.5
11.26×11.26 with CMV4000	48.5×48.5
12.50×10.00 with ICX674/694/814	53.8×43.1
Mechanical Specifications	
Mount	C
Length (mm)	208.5
Weight (kg)	1.11
Compatible Lighting	
Telecentric LED Lighting	VCL-72-xW-y Beam Diameter 72mm

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.

