

# VCM110-170-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)	0.098
Object Field of View (Φmm)	169
Working Distance (mm)	318±4
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)	>168
Depth of Field (mm)	±13
Length of I/O (mm)	753.5

Field of View (mm × mm)	
12.85×9.64 with KAI-04050	131.1×98.3
11.26×11.26 with CMV4000	114.8×114.8
12.50×10.00 with ICX674/694/814	127.5×102.0
Mechanical Specifications	
Mount	C
Length (mm)	418
Weight (kg)	6.97
Compatible Lighting	
Telecentric LED Lighting	VCL-170-xW-y Beam Diameter 170mm

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.

