

# VCM111B-48-AL

## C-mount Bi-telecentric Lens

- Superior bi-telecentric design, distinguished imaging quality;
- Largest FOV from 26mm upto 300mm;
- Optimized for 1/2.5"~1.1" C-Mount cameras;
- Low distortion, good telecentricity, big aperture and big depth of field for high end application.



Optical Specifications	
Magnification (x)	0.382
Object Field of View (Φmm)	48
Working Distance (mm)	128±2
Max Sensor Size (Φmm)	18.4 (1.1")
Best Aperture (F/#)	7.9
Telecentricity typical (max) (deg)	<0.1
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>127
Depth of Field (mm)	±2
Length of I/O (mm)	313.2

Field of View (mm × mm)	
14.13x10.35 with IMX304	36.9x27.0
Mechanical Specifications	
Mount	C
Length (mm)	167.7
Compatible Lighting	
Telecentric LED Lighting	VCL-48-xW-y Beam Diameter 48mm

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.

