

# VCM110-216-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)	0.077
Object Field of View (Φmm)	216
Working Distance (mm)	372±4
Max Sensor Size (Φmm)	16.6(1")
Best Aperture (F/#)	6.5
Telecentricity typical (max) (deg)	<0.1
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>136
Depth of Field (mm)	±35.5
Length of I/O (mm)	914.6

Field of View (mm × mm)	
12.85×9.64 with KAI-04050	166.8×125.1
11.26×11.26 with CMV4000	146.2×146.2
12.50×10.00 with ICX674/694/814	162.3×129.8
Mechanical Specifications	
Mount	C
Length (mm)	525.1
Weight (kg)	13.33
Compatible Lighting	
Telecentric LED Lighting	VCL-216-xW-y Beam Diameter 216mm

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.

