

Bi-telecentric lens (VCM175B series)

LS-VCM175B series · Telecentric lenses · 10 models

VCM Series F-Mount high precision bi telecentric lenses are the typical choice for extremely accurate measurement of large items such as engine parts, glass or metal sheets, PCBs and electronic components, LCDs, etc.

Features

- Optimized for 4/3"~35mm F-Mount cameras
- Perfectly suitable for 4K and 8K line scan cameras
- FOV ranges from 26mm to 300mm
- Very high resolution, low distortion and homogeneous image quality
- Yield constant magnification over defined depth of field
- Customized mounts available.



Models

Model	Magnification(x)	Object Field of View (dia. mm)	Working Distance (mm)	Max Sensor Size (dia. mm)	Best Aperture (F/#)	MTF30 (lp/mm)	Depth of Field (mm)
LS-VCM175B-36-AL	0.801	36	111±2	29(1.75")	13.6	>72	±1
LS-VCM175B-42P-AL	0.690	42	118±2	29(1.75")	11.3	>76	±1
LS-VCM175B-48-AL	0.603	48	128±2	29(1.75")	11.4	>78	±1.5
LS-VCM175B-56-AL	0.517	56	138±2	29(1.75")	8.5	>87	±1.5
LS-VCM175B-64-AL	0.452	64	187±2	29(1.75")	13.6	>73	±3.5
LS-VCM175B-72-AL	0.402	72	178±2	29(1.75")	8.5	>86	±2.5
LS-VCM175B-80P-AL	0.362	80	230±2	29(1.75")	8.5	>85	±3
LS-VCM175B-90-AL	0.322	90	208±2	29(1.75")	8.5	>85	±3
LS-VCM175B-100P-AL	0.291	100	238 ± 3	29 1.75")	8.5	>85	±4
LS-VCM175B-26-AL	1.117	26	72±2	29(1.75")	15	>68	±0.7

More values per model (Telecentricity typical (max) (deg), Distortion typical (max) (%), Length of I/O (mm), FOV

with 22.53x16.90 with CMV12000 (mm x mm), Mount, Length (mm), Weight (kg), Mount (product parameters), Detector, Magnification (product parameters), FOV (product parameters), WD (product parameters...) are on each product page.

Product views

