

GAGE138/0781-56-35

High-precision Bi-telecentric Lens

- Large CCD size, high resolution imaging system design;
- FOV from 26mm upto 300mm;
- Low distortion, good telecentricity, big aperture and big depth of field for high end application.



| Optical Specifications | |
|------------------------------------|-----------|
| Magnification (x) | 0.782 |
| Object Field of View (Φmm) | 56 |
| Working Distance (mm) | 138±2 |
| Max Sensor Size (Φmm) | 44 (35mm) |
| Best Aperture (F/#) | 12 |
| Telecentricity typical (max) (deg) | <0.1 |
| Distortion typical (max) (%) | <0.1 |
| MTF30 (lp/mm) | >80 |
| Depth of Field (mm) | ±1 |
| Length of I/O (mm) | 418 |

| Field of View (mm × mm) | |
|---------------------------|-----------------------------------|
| 36.17x24.11w ith KAI29050 | 46.2x30.8 |
| Mechanical Specifications | |
| Mount | F |
| Length (mm) | 233.5 |
| Compatible Lighting | |
| Telecentric LED Lighting | VCL-56-xW-y Beam Diameter 56mm |

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.

