

DTCM125-90-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) | 0.080 |
| Object Field of View (Φmm) | 90 |
| Working Distance (mm) | 208±3 |
| Max Sensor Size (Φmm) | 7.2(1/2.5") |
| Best Aperture (F/#) | 4.2 |
| Telecentricity typical (max) (deg) | <0.1 |
| Distortion typical (max) (%) | <0.1 |
| MTF30 (lp/mm) | >200 |
| Depth of Field (mm) | ±68.7@F11 |
| Length of I/O (mm) | 428±3 |

| Field of View (mm × mm) | |
|----------------------------|--------------------|
| 1/3" AR130/RJ33 (4.8x3.6) | 60.0x45.0 |
| 1/2.5" 9P001/31 (5.7x4.28) | 71.3x53.5 |
| Mechanical Specifications | |
| Mount | C |
| Length (mm) | 202.5 |
| Weight (kg) | 1.7 |
| Compatible Lighting | |
| Telecentric LED Lighting | DTCL-90-xW-y |
| | Beam Diameter 90mm |

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.

