

DTCM120-240H-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) | 0.033 |
| Object Field of View (Φmm) | 240 |
| Working Distance (mm) | 410±6 |
| Max Sensor Size (Φmm) | 8.0(1/2") |
| Best Aperture (F/#) | 4.2 |
| Telecentricity typical (max) (deg) | <0.1 |
| Distortion typical (max) (%) | <0.1 |
| MTF30 (lp/mm) | >210 |
| Depth of Field (mm) | ±397 @F11 |
| Length of I/O (mm) | 971±6 |

| Field of View (mm × mm) | |
|----------------------------|---------------------------------------|
| 1/2.5" 9P001/31 (5.7x4.28) | 172.7x129.7 |
| 1/2.3" 9J003 (6.44x4.62) | 195.2x140.0 |
| Mechanical Specifications | |
| Mount | C |
| Length (mm) | 543.8 |
| Weight (kg) | 19.0 |
| Compatible Lighting | |
| Telecentric LED Lighting | DTCL-240H-xW-y Beam Diameter 240mm |

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.

