

DTCM111-190H-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) | 0.097 |
| Object Field of View (Φmm) | 190 |
| Working Distance (mm) | 330±5 |
| Max Sensor Size (Φmm) | 18.4(1.1") |
| Best Aperture (F/#) | 6.2 |
| Telecentricity typical (max) (deg) | <0.1 |
| Distortion typical (max) (%) | <0.1 |
| MTF30 (lp/mm) | >150 |
| Depth of Field (mm) | ±46.7@F11 |
| Length of I/O (mm) | 791±5 |

| Field of View (mm × mm) | |
|---------------------------|---------------------|
| 1" IMX183 (13.13x8.76) | 135.4x90.3 |
| 1.1" IMX253 (14.19x10.38) | 146.3x107.0 |
| Mechanical Specifications | |
| Mount | C |
| Length (mm) | 443.0 |
| Weight (kg) | 9.7 |
| Compatible Lighting | |
| Telecentric LED Lighting | DTCL-190H-xW-y |
| | Beam Diameter 190mm |

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.

