

# DTCM125-136-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)                  | 0.053       |
| Object Field of View (Φmm)         | 136         |
| Working Distance (mm)              | 288±5       |
| 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)                      | >210        |
| Depth of Field (mm)                | ±157@F11    |
| Length of I/O (mm)                 | 646±5       |

| Field of View (mm × mm)    |                     |
|----------------------------|---------------------|
| 1/3" AR130/RJ33 (4.8x3.6)  | 90.6x67.9           |
| 1/2.5" 9P001/31 (5.7x4.28) | 107.5x80.8          |
| Mechanical Specifications  |                     |
| Mount                      | C                   |
| Length (mm)                | 340.1               |
| Weight (kg)                | 4.2                 |
| Compatible Lighting        |                     |
| Telecentric LED Lighting   | DTCL-136-xW-y       |
|                            | Beam Diameter 136mm |

### 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.

