

DTCM118-36

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) | 0.250 | |
| Object Field of View (Фmm) | 36 | |
| Working Distance (mm) | 110±2 | |
| Max Sensor Size (Фmm) | 9.0(1/1.8") | |
| Best Aperture (F/#) | 4.6 | |
| Telecentricity typical (max) (deg) | <0.1 | |
| Distortion typical (max) (%) | <0.1 | |
| MTF30 (lp/mm) | >180 | |
| Depth of Field (mm) | ±7.0@F11 | |
| Length of I/O (mm) | 256±2 | |

| Field of View (mm × mm) | | |
|-----------------------------|--------------------|-----------|
| 1/1.8" IMX178 (7.43x4.9) | | 29.7x19.6 |
| 1/1.8" IMX252/265 (7.1x5.3) | | 28.4x21.2 |
| Mechanical Specifications | | |
| Mount | | С |
| Length (mm) | | 128.3 |
| Weight (kg) | | 0.4 |
| Compatible Lighting | | |
| Telecentric LED Lighting | DTCL-36-xW-y | |
| | Beam Diameter 36mm | |

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.



