

DTCM430-300-AL

Large Format Bi-telecentric Lens

- Optimized for 4/3"~44mm M-mount or other mount cameras;
- FOV from 26mm upto 300mm;
- High resolution, low distortion and homogeneous image quality;
- Full test report for each units are provided;
- Customized mounts available.



| Optical Specifications | |
|------------------------------------|----------|
| Magnification (x) | 0.080 |
| Object Field of View (Φmm) | 300 |
| Working Distance (mm) | 465±6 |
| Max Sensor Size (Φmm) | 24(4/3") |
| Best Aperture (F/#) | 7.5 |
| Telecentricity typical (max) (deg) | <0.1 |
| Distortion typical (max) (%) | <0.1 |
| MTF30 (lp/mm) | >115 |
| Depth of Field (mm) | ±100@F16 |
| Length of I/O (mm) | 1171±6 |

| Field of View (mm x mm) | |
|--------------------------------|---------------------|
| 4/3" Keyence 21M (17.86x14.32) | 223.3x179.0 |
| 4/3" PYTHON 12K (18.43x13.82) | 230.4x172.8 |
| 4/3" CMV8000 (18.48x13.73) | 231.0x171.6 |
| Mechanical Specifications | |
| Mount | M42/M48/M58/F |
| Length (mm) | 693.5 |
| Weight (kg) | 47 |
| Compatible Lighting | |
| Telecentric LED Lighting | DTCL-300-xW-y |
| | Beam Diameter 300mm |

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.

