

DTCM35FH-80H-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) | 0.545 |
| Object Field of View (Φmm) | 80 |
| Working Distance (mm) | 228±4 |
| Max Sensor Size (Φmm) | 44(35mm Full) |
| Best Aperture (F/#) | 7.3 |
| Telecentricity typical (max) (deg) | <0.1 |
| Distortion typical (max) (%) | <0.1 |
| MTF30 (lp/mm) | >115 |
| Depth of Field (mm) | ±2.2@F16 |
| Length of I/O (mm) | 546±4 |

| Field of View (mm × mm) | |
|---------------------------|---------------------|
| CMV50000 (36.43x27.62) | 66.8x50.7 |
| KAI29050/2 (36.17x24.11) | 66.4x44.2 |
| KAI43142 (36.18x24.12) | 66.4x44.3 |
| Mechanical Specifications | |
| Mount | M58 |
| Length (mm) | 306.3 |
| Weight (kg) | 2.7 |
| Compatible Lighting | |
| Telecentric LED Lighting | DTCL-80H-xW-y |
| | Beam Diameter 80Hmm |

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.

