

DTCM175-72-M58-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) | 0.403 | |
| Object Field of View (Фmm) | 72 | |
| Working Distance (mm) | 178±3 | |
| Max Sensor Size (Фmm) | 29(1.75") | |
| Best Aperture (F/#) | 8.5 | |
| Telecentricity typical (max) (deg) | <0.1 | |
| Distortion typical (max) (%) | <0.1 | |
| MTF30 (lp/mm) | >105 | |
| Depth of Field (mm) | ±3.9@F16 | |
| Length of I/O (mm) | 453±3 | |



| Field of View (manymany) | | |
|-------------------------------|--------------------|--------------|
| Field of View (mm × mm) | | |
| 1.75" CMV12000 (22.53x16.90) | | 55.9x41.9 |
| 1.75" PYTHON16k (18.43x18.43) | | 45.7x45.7 |
| 1.75" LineScan-4k (28.8mm) | | 71.5mm |
| Mechanical Specifications | | |
| Mount | | M58 or other |
| Length(mm) | | 263.3 |
| Weight(kg) | | 1.6 |
| Compatible Lighting | | |
| Telecentric LED Lighting | DTCL-72-xW-y | |
| | Beam Diameter 72mm | |

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.



