

DTCM16K-240H-AL

Linescan Bi Telecentric Lens

- Optimized for large field vision system with excellent imaging quality;
- Optimized for high accuracy vision system with bitelecentric design;
- Optimized for 4K and 8K line scan cameras, support 16K line scan camera and upto 47M area cameras;
- Quality guarantee by Full test report for each lens;
- Customized Mounts, F/#, DOF Etc.



| Optical Specifications | |
|------------------------------------|-----------|
| Magnification (x) | 0.246 |
| Object Field of View (Φmm) | 240 |
| Working Distance (mm) | 410±6 |
| Max Sensor Size (Φmm) | 59 |
| Best Aperture (F/#) | 8.7 |
| Telecentricity typical (max) (deg) | <0.1 |
| Distortion typical (max) (%) | <0.1 |
| MTF30 (lp/mm) | >100 |
| Depth of Field (mm) | ±14.6@F22 |
| Length of I/O (mm) | 1135±6 |

| Field of View (mm × mm) | |
|----------------------------|--|
| 48.7×29.0 with KAI-47051 | 198.0×117.9 |
| 57.4mm with 16K×3.5/3.53um | 233.3mm |
| 57.4mm with 8K×7um/7.04um | 233.3mm |
| Mechanical Specifications | |
| Mount | M72 |
| Length (mm) | 712.5 |
| Weight (kg) | 20.7 |
| Compatible Lighting | |
| Telecentric LED Lighting | DTCL-240H-xW-y Beam Diameter 240Hmm |

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.

