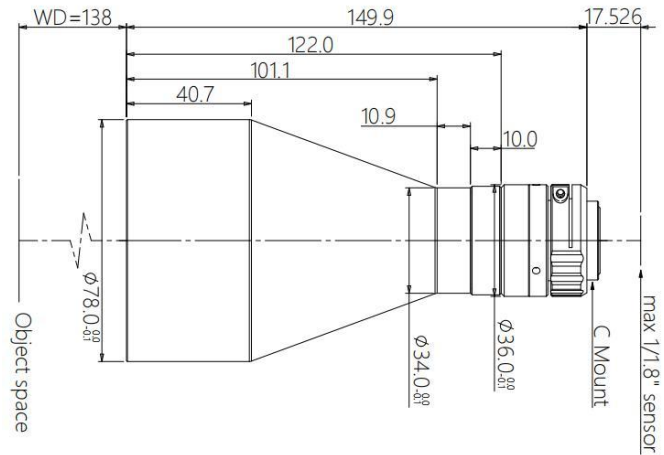


Specifications

CK-SDTCM118-56-AL

High-precision dual telecentric lens



Lens Features

- The ultimate bi-telecentric design with excellent imaging quality
- FOV from 26mm to 300mm, to meet the needs of different markets
- Supports various C-mount industrial cameras from 1/2.5"~1.1"
- Large aperture, high telecentricity, ultra-low distortion, and large depth of field, meeting high-end system requirements

Optical parameters

| | |
|----------------------------------|----------------|
| Field of View (Φ mm) | 56 |
| Magnification β (x) | 0.161 |
| Working distance (mm) | 138 \pm 3 |
| CCD size (Φ mm) | 9.0(1/1.8") |
| F/# | 4.6 |
| MTF30(lp/mm) | >190 |
| Depth of field (mm) | \pm 17.0@F11 |
| Image distortion (% max) | <0.1 |
| Telecentricity ($^{\circ}$ max) | <0.1 |
| Object distance I/O(mm) | 306 \pm 3 |

Supporting light source

Parallel (telecentric) lights
SDTCL-56-xW-y
Beam diameter 56mm



Mechanical parameters

| | |
|-----------------------------|-------|
| Camera interface | C |
| Overall length of lens (mm) | 149.9 |
| Net weight (kg) | 0.7 |

Field of View (mm x mm)

| | |
|-----------------------------|-----------|
| 1/1.8" IMX178 (7.43x4.9) | 46.1x30.4 |
| 1/1.8" IMX252/265 (7.1x5.3) | 44.1x32.9 |