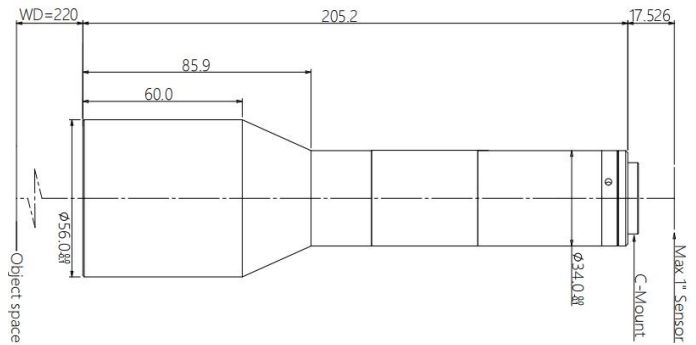


2K046-220-110

Specification High-performance object-oriented telecentric lens



2K Series lens features

- Support high-resolution object-oriented telecentric lenses for 5M~20M pixel area scan cameras;
- A variety of low magnification designs to adapt to application scenarios with a larger field of view;
- High definition, low distortion, high telecentric, especially suitable for high-precision AOI and positioning applications;
- Long working distance specifications facilitate lighting and machine component layout;
- Built-in coaxial optical specifications are particularly suitable for wafers, glass devices, and display devices;
- Can be quickly customized to meet different camera specifications, as well as magnification, working distance, and depth of field requirements.

Optical parameters

| | |
|----------------------------------|-----------------|
| Magnification $\beta(x)$ | 0.46 |
| Working distance (mm) | 220 \pm 3 |
| CCD size (Φ mm) | 16.0(1") |
| F/# | 11.6 |
| MTF30 (lp/mm) | >80 |
| Object Depth of Field DoF(mm) | \pm 2.2@F11.6 |
| Image distortion (% max) | <0.25 |
| Telecentricity ($^{\circ}$ max) | <0.1 |

Mechanical parameters

| | |
|---------------------------|-------|
| camera interface | C |
| Overall lens length (mm) | 205.2 |
| Whether the coaxial light | No |

Viewable range (mm x mm)

| | |
|-----------------------------|-----------|
| 1" PYTHON 5000 (12.43x9.83) | 27.0x21.4 |
| 1" IMX255 (14.19x7.51) | 30.8x16.3 |
| 1" IMX183 (13.13x8.76) | 28.5x19.0 |