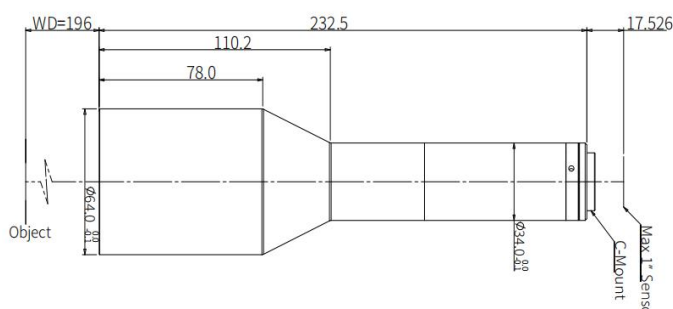# CK-SWWK04-196-110

## Specification

### High-performance object-oriented telecentric 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 β(x) | 0.4 |
| Working distance (mm) | 196±3 |
| CCD size (Φmm) | 16.0(1") |
| F/# | 8 |
| MTF30 (lp/mm) | >115 |
| Object Depth of Field DoF(mm) | ±2@F8 |
| Image distortion (% max) | <0.1 |
| Telecentricity (° max) | <0.5 |

## Mechanical parameters

| | |
|---|---|
| Camera interface | C |
| Overall lens length (mm) | 232.5 |
| Whether the coaxial light | No |

## Viewable range (mm x mm)

| | |
|---|---|
| 1" PYTHON 5000 (12.43x9.83) | 31.1x24.6 |
| 1" IMX255 (14.19x7.51) | 35.5x18.8 |
| 1" IMX183 (13.13x8.76) | 32.8x21.9 |