

CK-SWWK066-110-110

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 $\beta(x)$	0.66
Working distance (mm)	110
CCD size (Φ mm)	18(1")
F/#	7
MTF30 (lp/mm)	>135
Object Depth of Field DoF(mm)	$\pm 0.6@F7$
Image distortion (% max)	<0.02
Telecentricity ($^{\circ}$ max)	<0.01s

Mechanical parameters

Camera interface	C
Overall lens length (mm)	129.8
Whether the coaxial light	No

Viewable range (mm x mm)

1" PYTHON 5000(12.43x9.83)	18.8x14.9
1" IMX255 (14.19x7.51)	21.5x11.4
1" IMX183 (13.13x8.76)	19.9x13.3