

WWK03-250-110

Large FOV Objective Telecentric Lens

- Object side telecentric lens, support 5Mp-20Mp area scan camera.
- High definition, low distortion, good telecentricity, especially suitable for high-precision AOI and positioning applications.
- Built-in coaxial lighting, especially suitable for inspection of wafers, glass devices.
- Quickly customization apply to different camera specifications, as well as magnification, working distance, DOF requirements.



Optical Specifications	
Magnification (x)	0.3
Working Distance (mm)	250±3
Max Sensor Size (Φmm)	16.0(1")
Best Aperture (F/#)	8
Telecentricity typical (max) (deg)	<0.2
Distortion typical (max) (%)	<0.2
MTF30 (lp/mm)	>102
NA	0.01902
Resolution (μm)	17.6
Depth of Field (mm)	±3.6@F8

Field of View (mm × mm)	
1" PYTHON 5000 (12.43x9.83)	41.4x32.8
1" IMX255 (14.19x7.51)	47.3x25.0
1" IMX183 (13.13x8.76)	43.8x29.2
Mechanical Specifications	
Mount	C
Length (mm)	200.6
Weight (kg)	-
Coaxial Light	No
Iris	No

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.

