

WWK046-220C-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)	0.46
Working Distance (mm)	220±3
Max Sensor Size (Φmm)	16.0(1")
Best Aperture (F/#)	11.6
Telecentricity typical (max) (deg)	<0.1
Distortion typical (max) (%)	<0.25
MTF30 (lp/mm)	>80
Depth of Field (mm)	±2.2@F11.6
Length of I/O (mm)	442.7

Field of View (mm × 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
Mechanical Specifications	
Mount	C
Length (mm)	205.2
Weight (kg)	-
Coaxial Light	Yes
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.

