

WWK10-110C-111

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)	1.0
Working Distance (mm)	110±2
Max Sensor Size (Φmm)	18.0(1.1")
Best Aperture (F/#)	7
Telecentricity typical (max) (deg)	<0.18
Distortion typical (max) (%)	<0.13
MTF30 (lp/mm)	>105
NA	0.0715
Resolution (μm)	4.7
Depth of Field (mm)	±0.3@F7
Length of I/O (mm)	260.8

Field of View (mm × mm)	
1" IMX183 (13.13x8.76)	13.1x8.8
1.1" IMX253 (14.19x10.38)	14.2x10.4
Mechanical Specifications	
Mount	C
Length (mm)	133.3
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.

