

WWK80-178C-111V3

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)	8.0
Working Distance (mm)	178±2
Max Sensor Size (Φmm)	18.0(1.1")
Best Aperture (F/#)	43.8
Telecentricity typical (max) (deg)	<0.04
Distortion typical (max) (%)	<0.08
MTF30 (lp/mm)	>21
Resolution (μm)	>21
Depth of Field (mm)	±0.03@F43.8

Field of View (mm × mm)	
1" IMX183 (13.13x8.76)	1.6x1.1
1.1" IMX253 (14.19x10.38)	1.8x1.3

Mechanical Specifications	
Mount	C
Length (mm)	347.0
Coaxial Light	Yes

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.

