

WWK40-108-111V3

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)	4.0
Working Distance (mm)	108
Max Sensor Size (Φmm)	18(1.1")
Best Aperture (F/#)	20
Telecentricity typical (max) (deg)	0.05
Distortion typical (max) (%)	0.07
MTF30 (lp/mm)	43
NA	0.1
Resolution (μm)	3.4
Depth of Field (mm)	±0.05@F20
Length of I/O (mm)	287.9

Field of View (mm × mm)	
1" IMX183 (13.13x8.76)	3.3x2.2
1.1" IMX253 (14.19x10.38)	4.7x2.6
Mechanical Specifications	
Mount	C
Length (mm)	162.4
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.

