

# WWK60-178C-111V3

## Large FOV Objective Telecentric Lens

- Object side telecentric lens, support 5Mp-25Mp 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)	6.0
Working Distance (mm)	178±2
Max Sensor Size (Φmm)	18 (1.1")
Best Aperture (F/#)	33.2
Telecentricity typical (max) (deg)	0.08
Distortion typical (max) (%)	0.07
MTF30 (lp/mm)	27
NA	0.09
Resolution (μm)	3.7
Depth of Field (mm)	±0.04@F33.2
Length of I/O (mm)	542.8

Field of View (mm × mm)	
1" IMX183 (13.13x8.76)	2.2x1.5
1.1" IMX253 (14.19x10.38)	2.4x1.7
Mechanical Specifications	
Mount	C
Length (mm)	347.3
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.

