COOLENS®

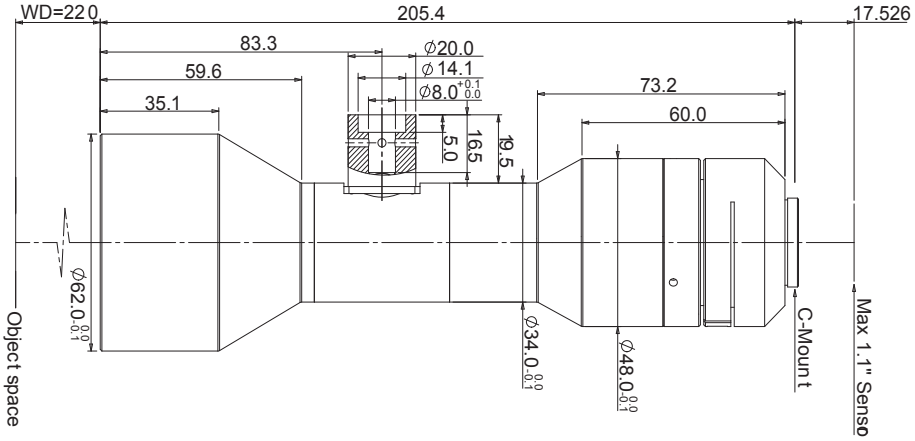
WWK05-220C-111

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)	0.5
Working Distance (mm)	220±3
Max Sensor Size (Φmm)	18.0(1.1")
Best Aperture (F/#)	7
Telecentricity typical (max) (deg)	<0.1
Distortion typical (max) (%)	<0.1
MTF30 (lp/mm)	>140
NA	0.03564
Resolution (μm)	9.4
Depth of Field (mm)	±1.1@F7
Length of I/O (mm)	443±3

Field of View (mm × mm)	
1" IMX183 (13.13x8.76)	26.3x17.5
1.1" IMX253 (14.19x10.38)	28.4x20.8
Mechanical Specifications	
Mount	C
Length (mm)	205.4
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.