

WWK60-108-111V3

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) | 6.0 |
| Working Distance (mm) | 108±2 |
| Max Sensor Size (Φmm) | 18.0(1.1") |
| Best Aperture (F/#) | 29.7 |
| Telecentricity typical (max) (deg) | <0.03 |
| Distortion typical (max) (%) | <0.04 |
| MTF30 (lp/mm) | 29 |
| Resolution (μm) | 29 |
| Depth of Field (mm) | ±0.035@F29.7 |

| 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) | 171.4 |
| Coaxial Light | 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.

