

WWK10-110CP-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) | 1.0 |
| Working Distance (mm) | 110±2 |
| Max Sensor Size (Φmm) | 18.0(1.1") |
| Best Aperture (F/#) | 7 |
| Telecentricity typical (max) (deg) | 0.06 |
| Distortion typical (max) (%) | 0.06 |
| MTF30 (lp/mm) | 130 |
| NA | 0.07125 |
| Resolution (μm) | 4.7 |
| Depth of Field (mm) | ±0.3@F7 |
| Length of I/O (mm) | 280.1 |

| Field of View (mm × mm) | |
|---------------------------|-----------|
| 1" IMX183 (13.13x8.76) | 13.1x8.8 |
| 1.1" IMX253 (14.19x10.38) | 14.2x10.4 |
| Mechanical Specifications | |
| Mount | C |
| Length (mm) | 152.6 |
| 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.

