

WWK055-220C-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 highprecision 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) | 0.55 |
| Working Distance (mm) | 220±3 |
| Max Sensor Size (Фmm) | 18.0(1.1") |
| Best Aperture (F/#) | 10.1 |
| Telecentricity typical (max) (deg) | ≤0.1 |
| Distortion typical (max) (%) | ≤0.1 |
| MTF30 (lp/mm) | ≥90 |
| Depth of Field (mm) | ±1.3@F10.1 |
| Length of I/O (mm) | 453.1 |

| Field of View (mm × mm) | |
|---------------------------|-----------|
| 1" IMX183 (13.13x8.76) | 23.9x15.9 |
| 1.1" IMX253 (14.19x10.38) | 25.8x18.9 |
| Mechanical Specifications | |
| Mount | С |
| Length (mm) | 215.6 |
| 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.



