

WWK05-110-230

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) | 110±2 |
| Max Sensor Size (Φmm) | 11.0(2/3") |
| Best Aperture (F/#) | 7 |
| Telecentricity typical (max) (deg) | <0.03 |
| Distortion typical (max) (%) | <0.03 |
| MTF30 (lp/mm) | >140 |
| NA | 0.03551 |
| Resolution (μm) | 9.4 |
| Depth of Field (mm) | ±1.1@F7 |
| Length of I/O (mm) | 255±2 |

| Field of View (mm × mm) | |
|----------------------------|-----------|
| 1/1.8" EV76C570 (7.2x5.4) | 14.4x10.8 |
| 1/1.7" IMX226 (7.5x5.6) | 15.0x11.2 |
| 2/3" IMX250/264 (8.45x7.1) | 16.9x14.2 |
| Mechanical Specifications | |
| Mount | C |
| Length (mm) | 127.3 |
| Weight (kg) | - |
| Coaxial Light | No |
| 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.

