

# WWK10-110-111V3

## 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) (%)       | 0.1        |
| MTF30 (lp/mm)                      | 128        |
| NA                                 | 0.07125    |
| Resolution (μm)                    | 4.7        |
| Depth of Field (mm)                | ±0.3@F7    |
| Length of I/O (mm)                 | 270±2      |

| 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)               | 142.5     |
| 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.

