

# Lens onnect<sup>®</sup> SERIES

Industry-First

TELECENTRIC LENS

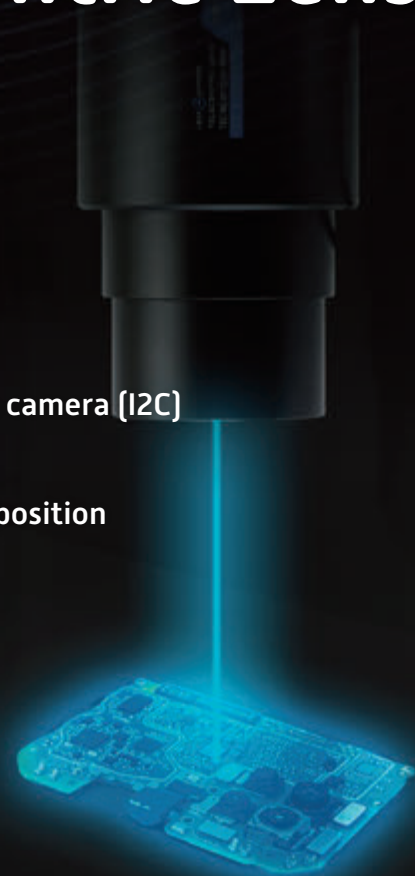
## Focus-driven Telecentric Lens

Magnification

0.25x, 0.5x, 1x, and 2x !

Customization available

- Can be easily operated remotely from a compatible camera (I2C)
- Focus can be operated remotely
- Maintain telecentricity even when adjusting focus position
- Support for 2.74μ pixel size
- Two selectable interfaces (I2C/USB)
- Customization available for magnification

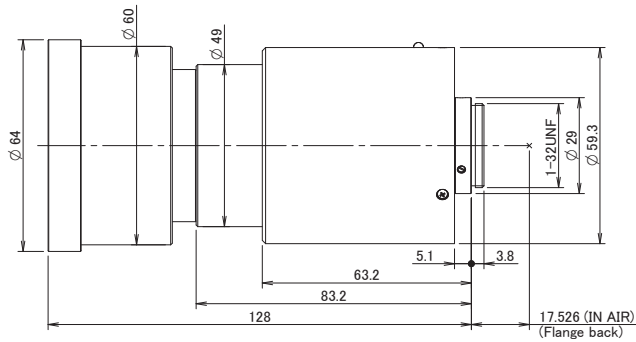


2/3" Compatible 8MP  
and C-mount



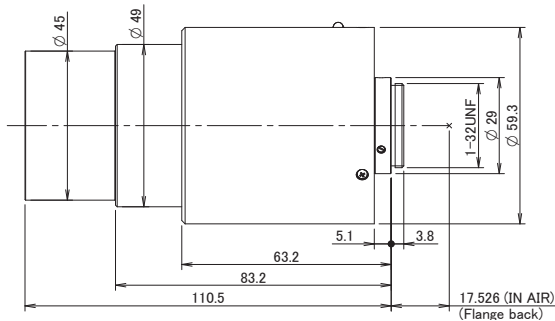
| Model                | Magnification | WD          | F No. |
|----------------------|---------------|-------------|-------|
| TEC-ML025139U/SC-MPW | 0.25 ×        | 139 ± 20mm  | 6.5   |
| TEC-ML05132U/SC-MPW  | 0.5 ×         | 132 ± 10mm  | 6.5   |
| TEC-ML10110U/SC-MPW  | 1.0 ×         | 110 ± 7.5mm | 6.5   |
| TEC-ML2071U/SC-MPW   | 2.0 ×         | 71 ± 5mm    | 6.5   |

## TEC-ML025139U/SC-MPW



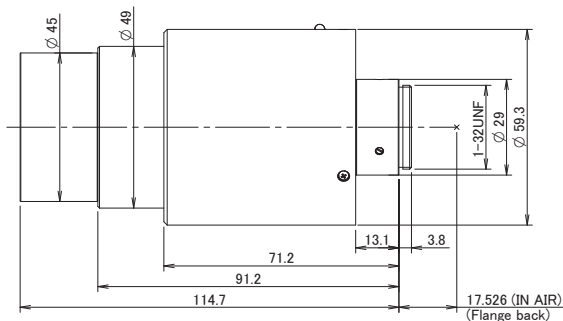
|                             |              |
|-----------------------------|--------------|
| Max. Image Circle           | Φ 11.4mm     |
| Magnification               | 0.25x        |
| Adjustable Working Distance | 119mm-159mm  |
| Resolving Power*1           | 17.7μm       |
| Depth of Field *2           | 8.32mm       |
| NA                          | 0.019        |
| Filter size                 | M62 P=0.75mm |

## TEC-ML05132U/SC-MPW



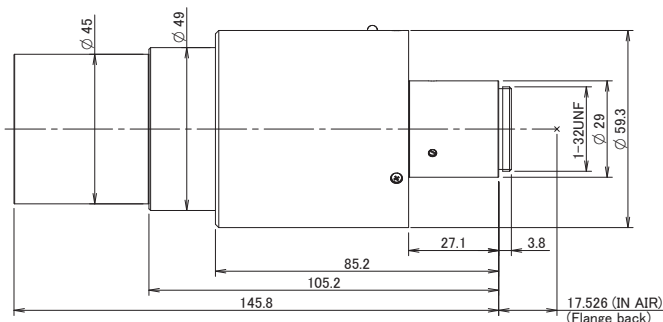
|                             |              |
|-----------------------------|--------------|
| Max. Image Circle           | Φ 11.4mm     |
| Magnification               | 0.5x         |
| Adjustable Working Distance | 122mm-144mm  |
| Resolving Power*1           | 8.6μm        |
| Depth of Field *2           | 2.08mm       |
| NA                          | 0.039        |
| Filter size                 | M43 P=0.75mm |

## TEC-ML10110U/SC-MPW



|                             |                 |
|-----------------------------|-----------------|
| Max. Image Circle           | Φ 11.4mm        |
| Magnification               | 1.0x            |
| Adjustable Working Distance | 102.5mm-117.5mm |
| Resolving Power*1           | 4.4μm           |
| Depth of Field *2           | 0.52mm          |
| NA                          | 0.077           |
| Filter size                 | M43 P=0.75mm    |

## TEC-ML2071U/SC-MPW



|                             |              |
|-----------------------------|--------------|
| Max. Image Circle           | Φ 11.4mm     |
| Magnification               | 2.0x         |
| Adjustable Working Distance | 66mm-76mm    |
| Resolving Power*1           | 2.2μm        |
| Depth of Field *2           | 0.13mm       |
| NA                          | 0.154        |
| Filter size                 | M43 P=0.75mm |



\*1:Resolving power =  $0.61 \times \lambda / NA$  (lambda = 550nm)

\*2:Depth of Field =  $2 \times (\text{Permissible circle of confusion } [40\mu\text{m}] \times \text{Effective F-number} / \text{Magnification}^2)$