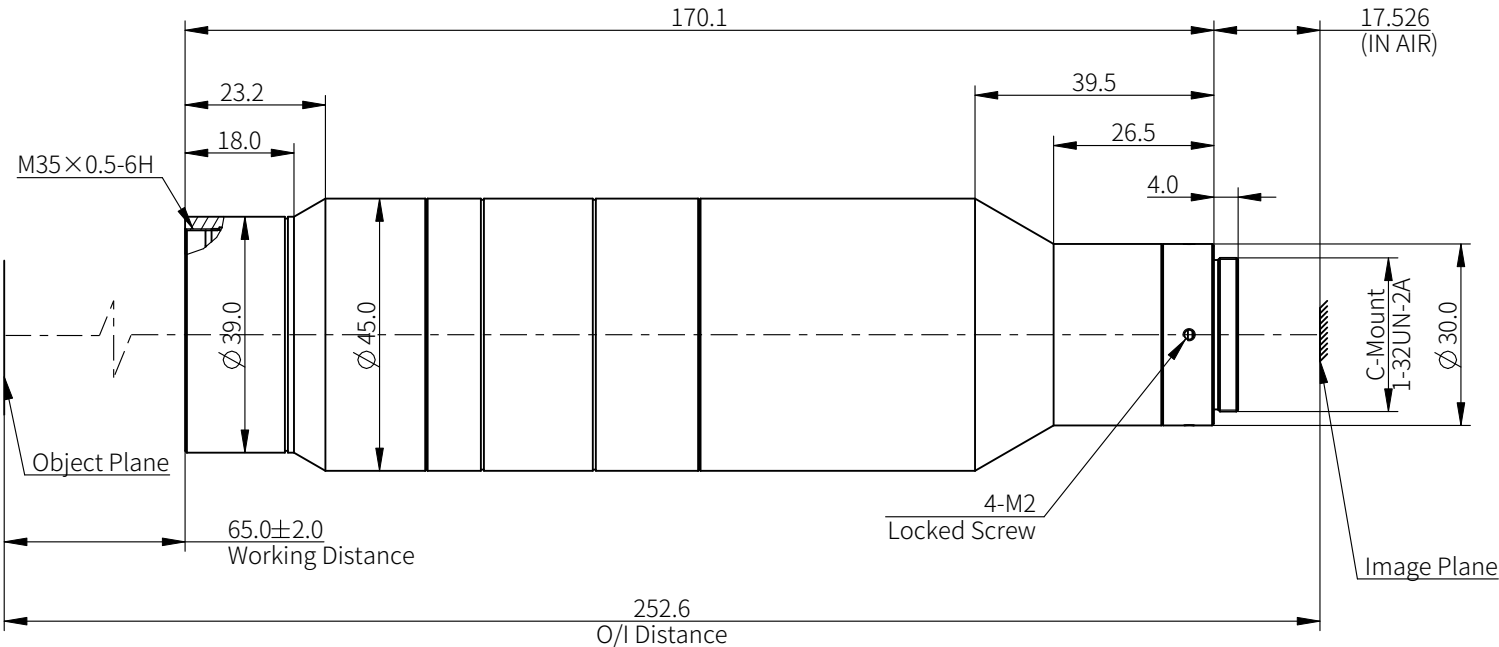


| Optical Specification |                 |
|-----------------------|-----------------|
| Model                 | OPT-HP40-65-F16 |
| Optical Configuration | Telecentric     |
| Working Distance (mm) | 65± 2           |
| Magnification         | 4.0X            |
| Sensor Ø (mm)         | 18.4(1.1")      |
| Aperture              | F16             |
| Telecentricity        | 0.10°           |
| NA                    | 0.12397         |
| Distortion            | <0.1%           |
| Depth of Field (mm)   | 0.08            |
| Resolution (μm)       | 8.3             |
| Image MTF30 (lp/mm)   | 60              |
| Field of View Ø (mm)  | 4.6             |
| O/I Distance (mm)     | 252.6           |
| Mount                 | C-Mount         |
| Weight (kg)           | 0.51            |
| Size (mm)             | Ø 45×170.1      |
| Filter Thread (mm)    | M35×0.5-6H      |
| Working Temperature   | -20℃~+60℃       |



[1]Resolution:The resolution is the image resolution.  
[2]DOF evaluation formula for telecentric lenses:

DOF(mm)=  $\frac{F\# \times P \times k}{\beta \times \beta}$

F#:The real F-number of a lens when used  
P:Sensor pixel size (5.5 μm used here)  
β: Lens magnification  
k:The parameter based on application (measurement, k=0.015; defect detection, k=0.008; 0.015 used here)

At the borders of DOF,the image can still be used for measurement. But only half of the nominal DOF should be used to get a sharp image.

|                     |      |            |           |      |                                                                                                                                |                 |            |              |
|---------------------|------|------------|-----------|------|--------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|--------------|
| View Angle          |      | Item       | Signature | Date |  <b>OPT Machine Vision Tech Co., Ltd.</b> |                 |            |              |
|                     |      | Drawing    |           |      |                                                                                                                                |                 |            |              |
| Standard Difference | IT14 | Design     |           |      | <b>All Rights Reserved</b>                                                                                                     |                 |            |              |
|                     |      | Check      |           |      |                                                                                                                                |                 |            |              |
| Drawing Code        |      | Scale      | 4:5       |      | Name                                                                                                                           | OPT-HP40-65-F16 |            |              |
|                     |      | Paper Size | A4        |      | Unit                                                                                                                           | mm              | Page 1 / 1 | Version V1.0 |