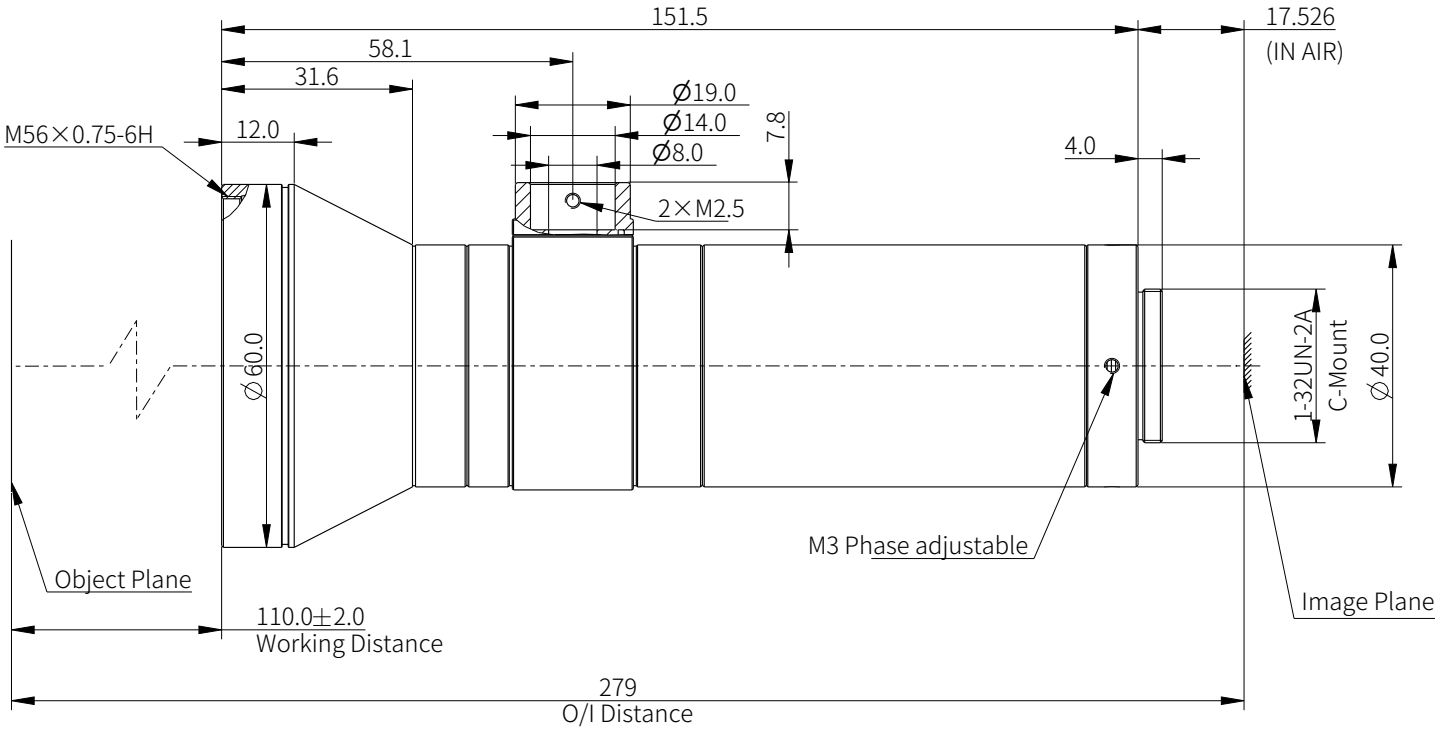


| Optical Specification |                    |
|-----------------------|--------------------|
| Model                 | OPT-HP08-110C-F6.5 |
| Optical Configuration | Bi-Telecentric     |
| Working Distance (mm) | 110±2              |
| Magnification         | 0.8X               |
| Sensor Ø (mm)         | 18.4(1.1")         |
| Aperture              | F6.5               |
| Telecentricity        | 0.10°              |
| NA                    | 0.06145            |
| Distortion            | <0.1%              |
| Depth of Field (mm)   | 0.84               |
| Resolution (µm)       | 3.45               |
| Image MTF30 (lp/mm)   | 145                |
| Field of View Ø (mm)  | 23.00              |
| O/I Distance (mm)     | 279                |
| Mount                 | C-Mount            |
| Weight (kg)           | 0.57               |
| Size (mm)             | Ø 60×151.5         |
| Filter Thread (mm)    | M56×0.75-6H        |
| 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     |           |      | All Rights Reserved                      |                    |            |              |
|                     |      | Check      |           |      |                                          |                    |            |              |
| Drawing Code        |      | Scale      | 4:5       |      | Name                                     | OPT-HP08-110C-F6.5 |            |              |
|                     |      | Paper Size | A4        |      | Unit                                     | mm                 | Page 1 / 1 | Version V1.0 |