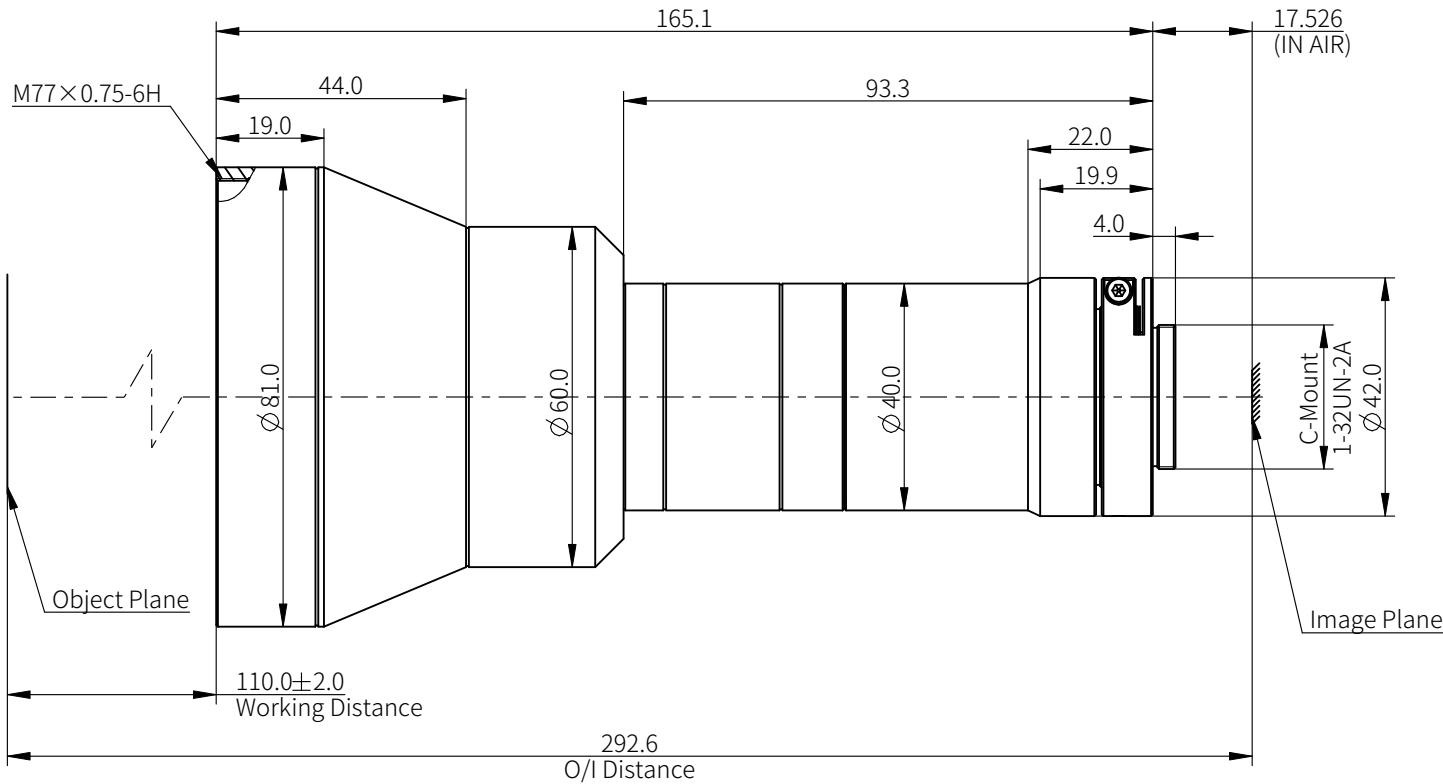


Optical Specification	
Model	OPT-HP03-110-F8
Optical Configuration	Bi-Telecentric
Working Distance (mm)	110± 2
Magnification	0.3X
Sensor Ø (mm)	18.4(1.1")
Aperture	F8.0
Telecentricity	0.10°
NA	0.01875
Distortion	<0.1%
Depth of Field (mm)	7.33
Resolution (µm)	4.2
Image MTF30 (lp/mm)	120
Field of View Ø (mm)	61.33
O/I Distance (mm)	292.6
Mount	C-Mount
Weight (kg)	0.86
Size (mm)	Ø 81×165.1
Filter Thread (mm)	M77×0.75-6H
Working Temperature	-20°C~+60°C



[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	OPT Machine Vision Tech Co., Ltd. All Rights Reserved			
		Drawing						
Standard Difference	IT14	Design						
		Check						
Drawing Code		Scale	3:4		Name	OPT-HP03-110-F8		
		Paper Size	A4		Unit	mm	Page 1 / 1	Version V1.0