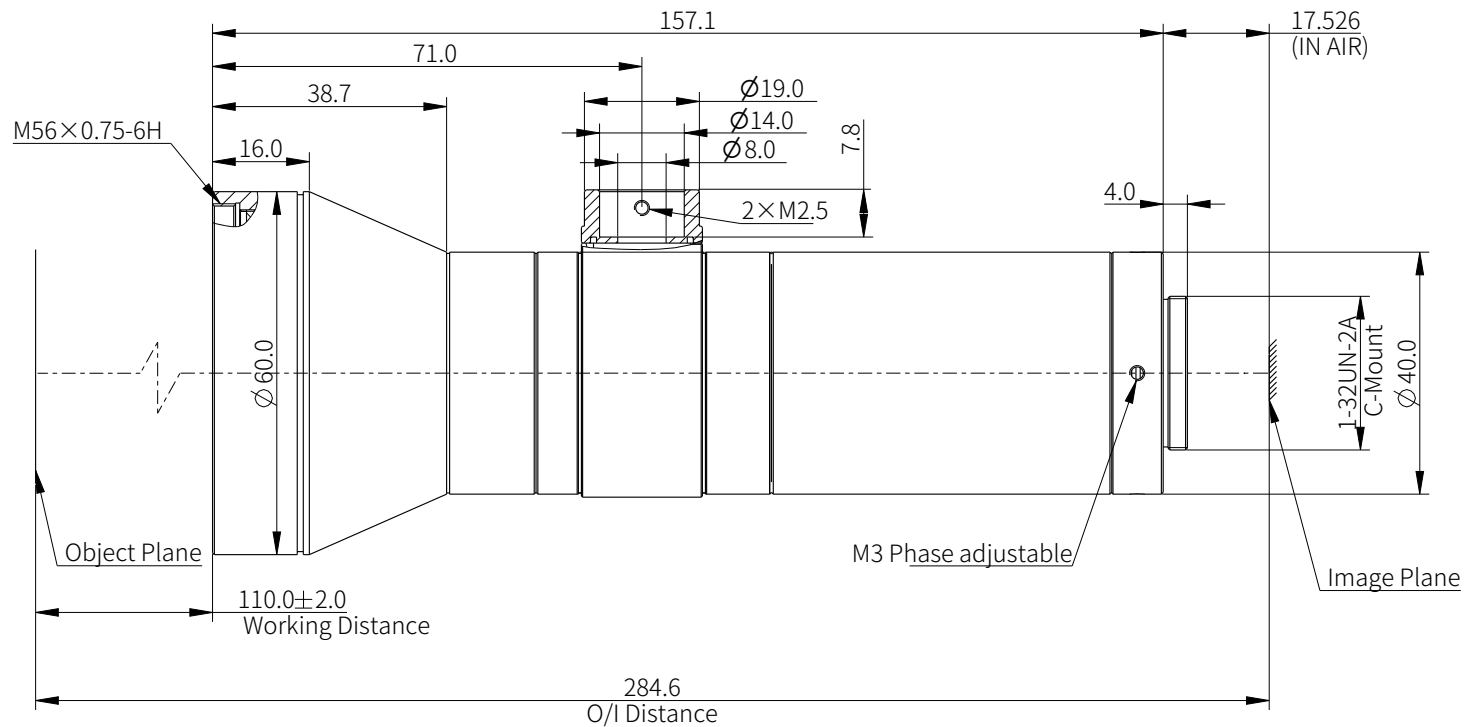


Optical Specification	
Model	OPT-HP05-110C-F8
Optical Configuration	Bi-Telecentric
Working Distance (mm)	110±2
Magnification	0.5X
Sensor Ø (mm)	18.4(1.1")
Aperture	F8.0
Telecentricity	0.10°
NA	0.03128
Distortion	<0.2%
Depth of Field (mm)	2.64
Resolution (μm)	4.2
Image MTF30 (lp/mm)	120
Field of View Ø (mm)	36.80
O/I Distance (mm)	284.6
Mount	C-Mount
Weight (kg)	0.58
Size (mm)	Ø 60×157.1
Filter Thread (mm)	M56×0.75-6H
Working Temperature	-20°C~+60°C



[1]Resolution:The resolution is the image resolution.

[2]DOF evaluation formula for telecentric lenses:

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

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.			
		Drawing						
Standard Difference	IT14	Design			All Rights Reserved			
		Check						
Drawing Code		Scale	4:5		Name	OPT-HP05-110C-F8		
		Paper Size	A4		Unit	mm	Page 1 / 1	Version V1.0