

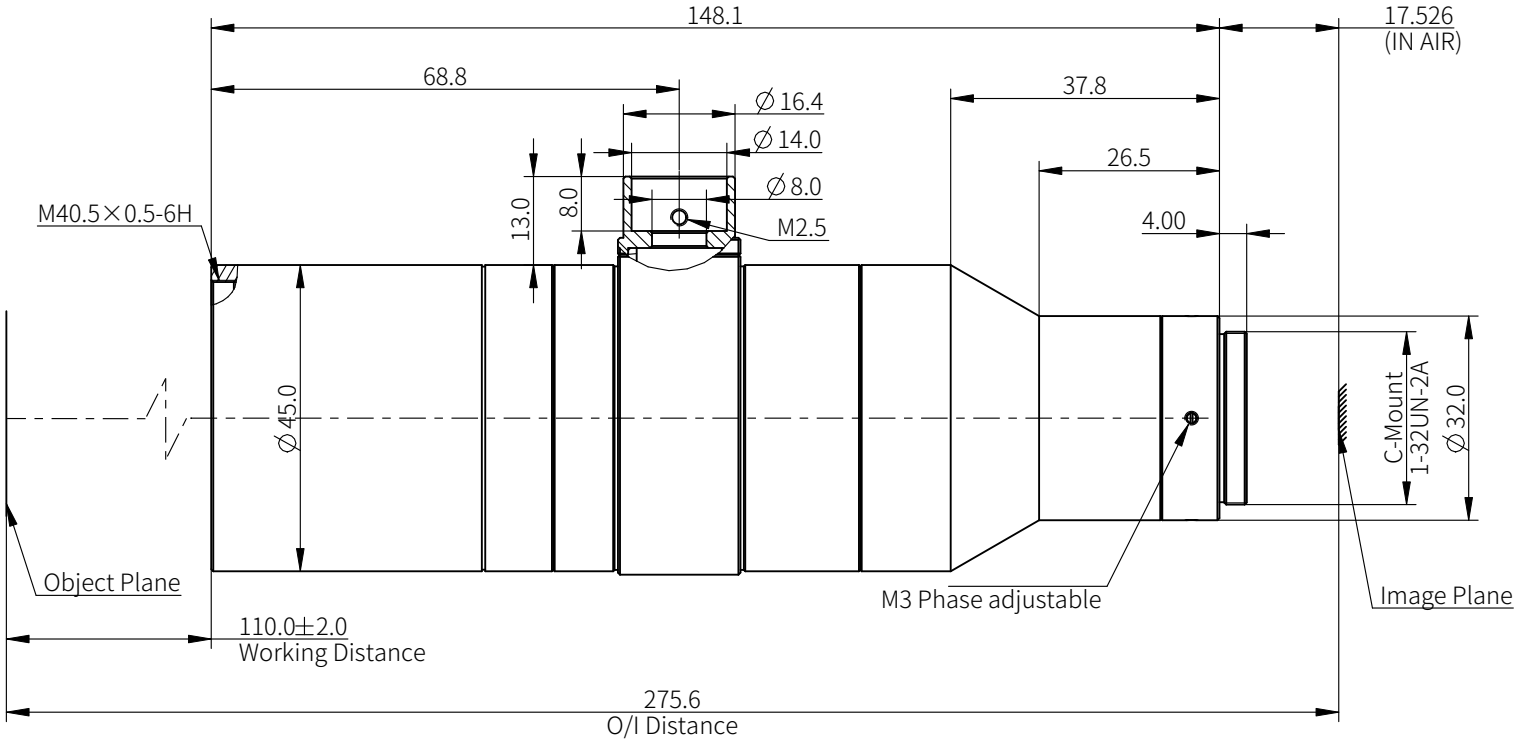
Optical Specification	
Model	OPT-HP15-110C-F11
Optical Configuration	Telecentric
Working Distance (mm)	110± 2
Magnification	1.5X
Sensor Ø (mm)	18.4(1.1")
Aperture	F11
Telecentricity	0.10°
NA	0.06818
Distortion	<0.2%
Depth of Field (mm)	0.4
Resolution (µm)	5.5
Image MTF30 (lp/mm)	90
Field of View Ø (mm)	12.27
O/I Distance (mm)	275.6
Mount	C-Mount
Weight (kg)	0.49
Size (mm)	Ø 45×148.1
Filter Thread (mm)	M40.5×0.5-6H
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	OPT Machine Vision Tech Co., Ltd.			
		Drawing						
Standard Difference	IT14	Design			All Rights Reserved			
		Check						
Drawing Code		Scale	9:10		Name	OPT-HP15-110C-F11		
		Paper Size	A4		Unit	mm	Page 1 / 1	Version V1.0