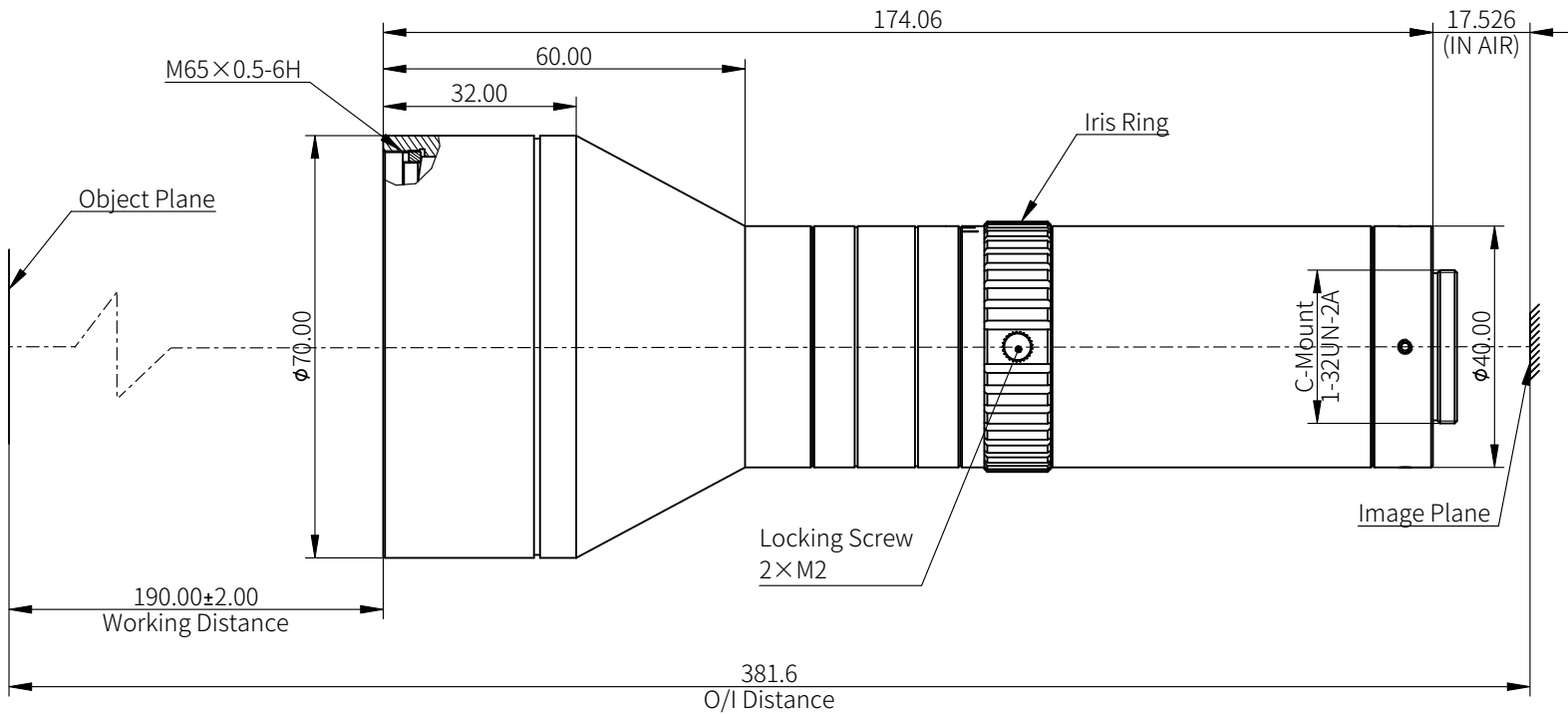


Optical Specification	
Model	OPT-HP04-190-VI
Optical Configuration	Bi-Telecentric
Working Distance (mm)	190±2
Magnification	0.4X
Sensor Ø(mm)	18.4(1.1")
Aperture	F6.5~F44
Telecentricity	0.10°
NA	0.03074~0.00454
Distortion	<0.1%
Depth of Field (mm)	3.35~22.69
Resolution (μm)	3.45~20
Image MTF30 (lp/mm)	145~25
Field of View Ø(mm)	46.00
O/I Distance (mm)	381.6
Mount	C-Mount
Size (mm)	Ø70×174.06
Filter Thread (mm)	M65×0.5-6H
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.			
		Drawing						
Standard Difference	IT14	Design			All Rights Reserved			
		Check						
Drawing Code		Scale	4:5		Name	OPT-HP04-190-VI		
		Paper Size	A4		Unit	mm	Page 1 / 1	Version V1.0.1