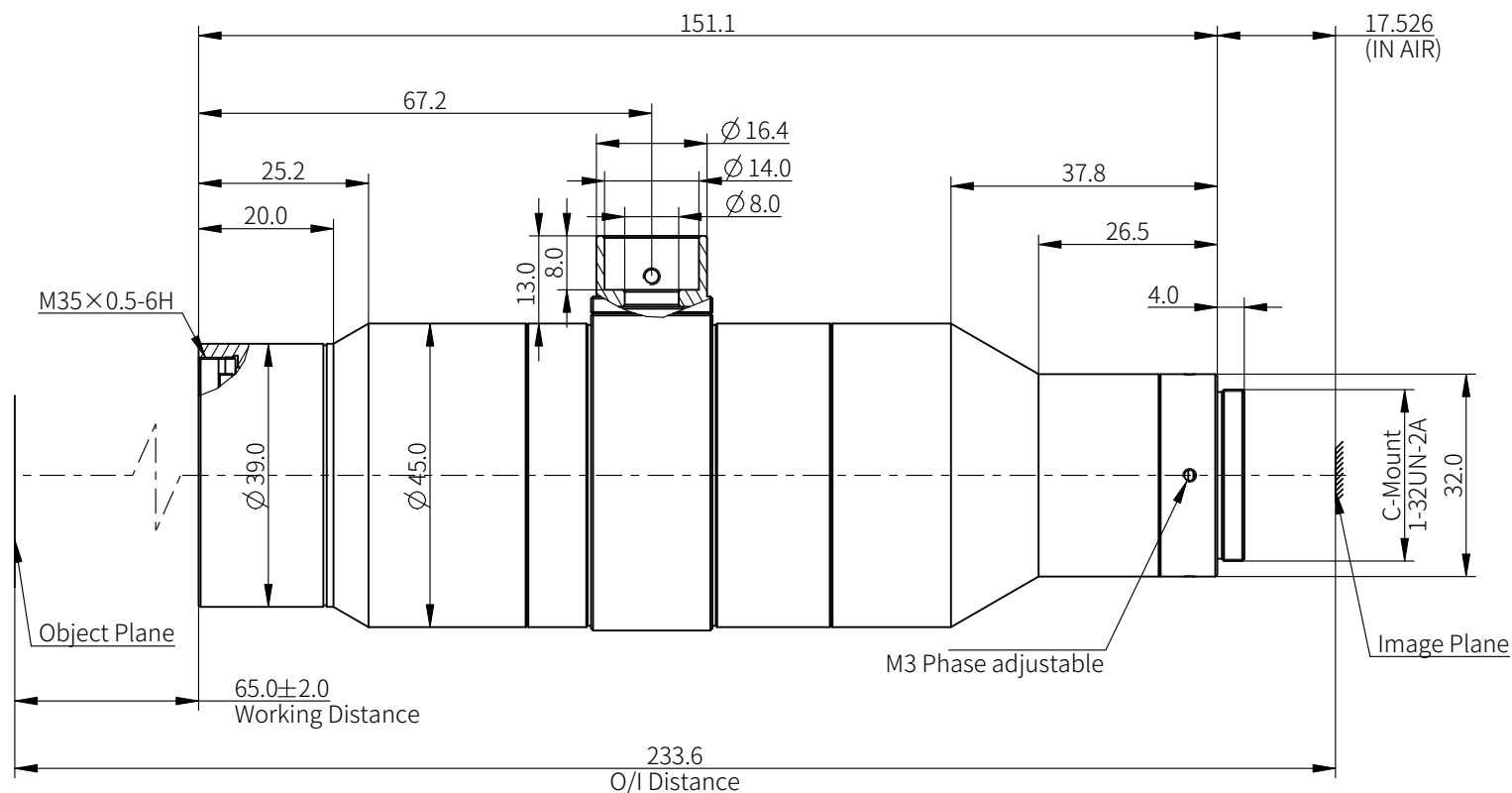


Model	OPT-HP20-65C-F16
Optical Configuration	Telecentric
Working Distance (mm)	65± 2
Magnification	2.0X
Sensor $\varnothing$ (mm)	18.4(1.1")
Aperture	F16
Telecentricity	0.10°
NA	0.06238
Distortion	<0.1%
Depth of Field (mm)	0.33
Resolution (μ m)	8.3
Edge MTF30 (lp/mm)	60
Field of View $\varnothing$ (mm)	9.20
Working Distance (mm)	233.6
Mount	C-Mount
Weight (kg)	0.49
Size (mm)	$\varnothing$ 45×151.1
Filter Thread (mm)	M35×0.5-6H
Working Temperature	-20°C~+60°C



[2]DOF evaluation formula for telecentric lenses:

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

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-HP20-65C-F16			
		Paper Size	A4		Unit	mm	Page 1 / 1	Version	V1.0

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