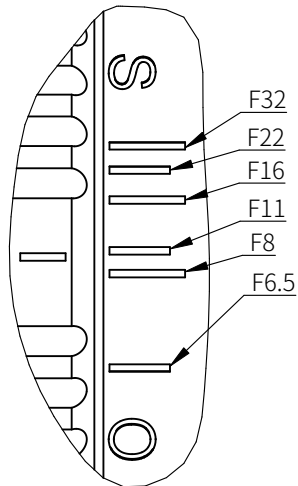
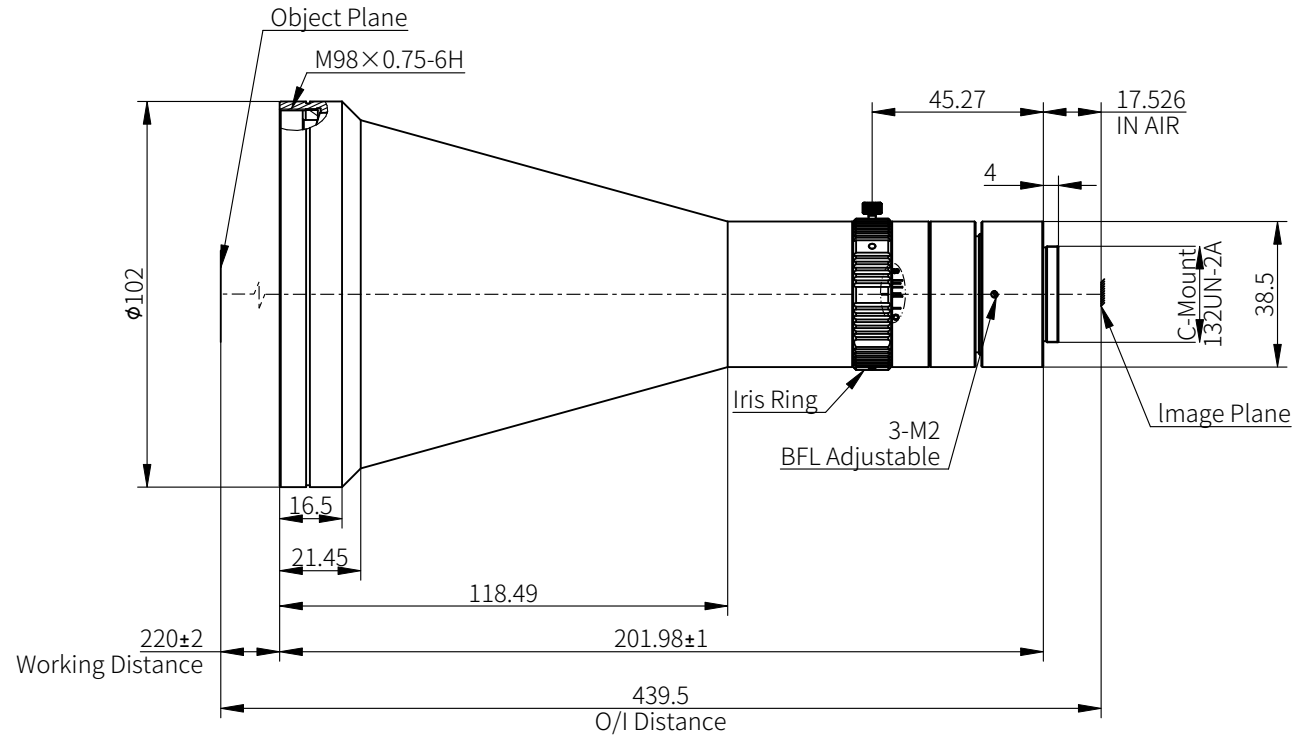


Optical Specification	
Model	OPT-HP022-220-VI
Optical Configuration	Telecentric
Working Distance (mm)	220±2
Magnification	0.22X
Sensor Ø (mm)	18.4(1.1")
Aperture	F6.5~F32
Telecentricity	0.10°
NA	0.01692
Distortion	<0.05%
Depth of Field (mm)	11.08
Resolution (µm)	3.45
Image MTF30 (lp/mm)	145
Field of View Ø (mm)	83.64
O/I Distance (mm)	439.5
Mount	C-Mount
Weight (kg)	0.725
Size (mm)	Ø 102×201.98
Filter Thread (mm)	M98×0.75-6H
Working Temperature	-20℃~+60℃



[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	1:2		Name	HP022-220-VI		
		Paper Size	A4		Unit	mm	Page 1 / 1	Version V1.0