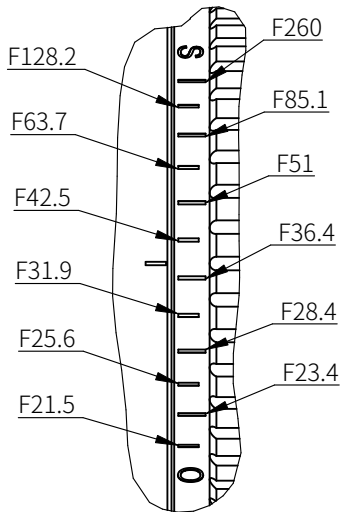
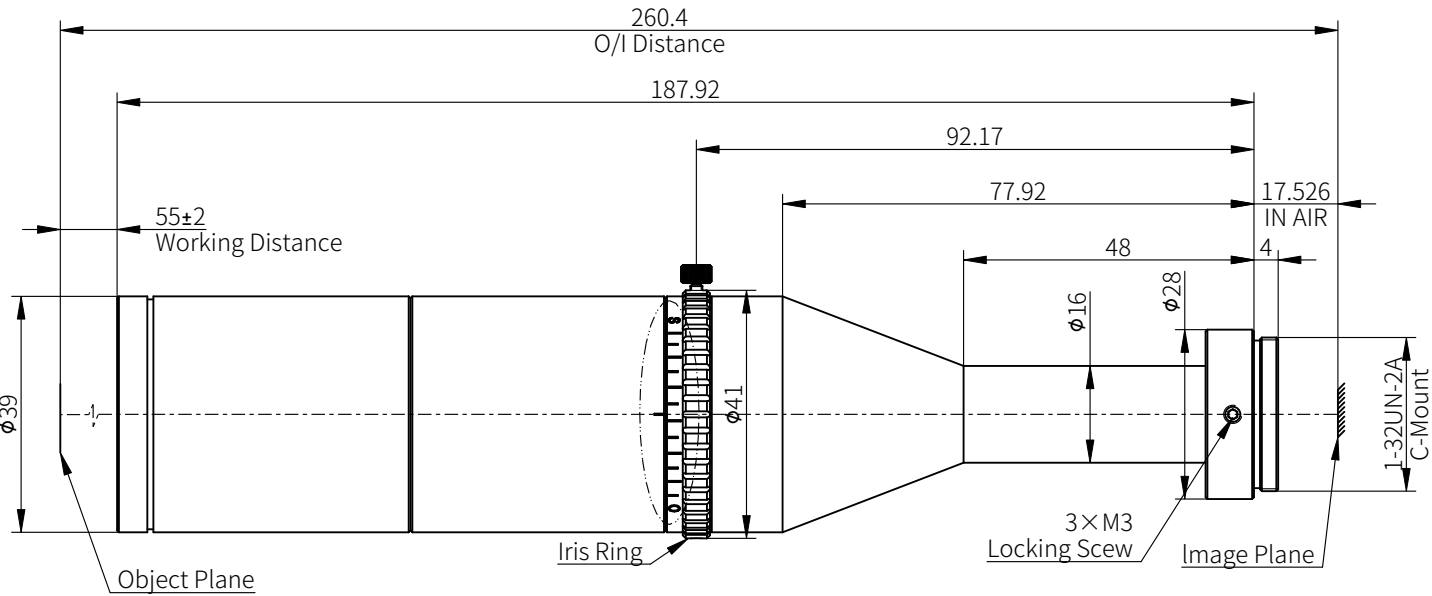


Optical Specification	
Model	OPT-CH100-55-VI
Optical Configuration	Telecentric
Working Distance(mm)	55±2
Magnification	10.0X
Sensor ϕ(mm)	11.0(2/3")
Aperture	F21.5~F260
Telecentricity	0.10°
NA	0.2320
Distortion	<0.05%
Depth of Field (mm)	0.02~0.21
Resolution (μ m)	11.1
Image MTF30 (lp/mm)	45
Field of View ϕ(mm)	1.10
O/I Distance (mm)	260.4
Mount	C-Mount
Weight (kg)	0.40
Size (mm)	ϕ41×187.92
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	4:5		Name	OPT-CH100-55-VI		
		Paper Size	A4		Unit	mm	Page 1 / 1	Version V1.0