

## Parameter of Lens

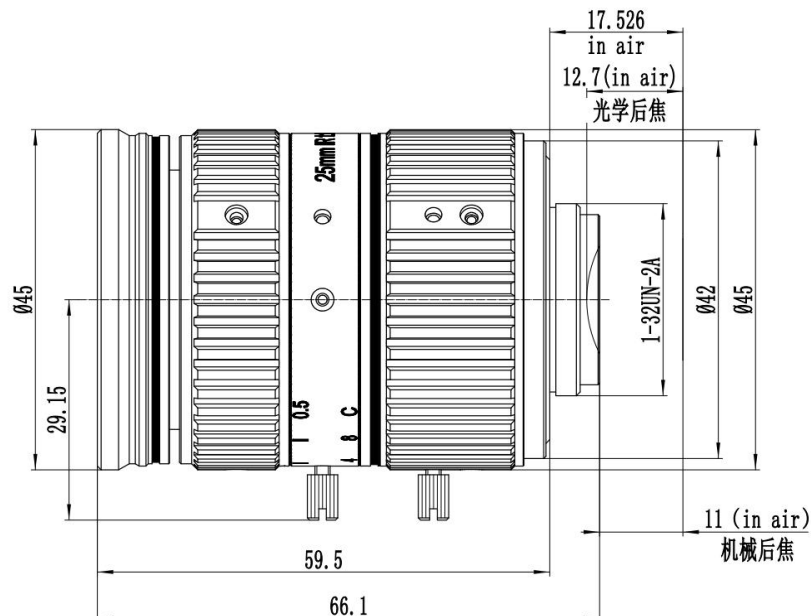
Model:

BLF1M2514MP8-IR



Resolution	8 Megapixel		
Image format	1"		
Focal length	25mm		
Aperture	F1.4		
Mount	C		
Field Angle D×H×V(°)		1	
		D	36.2
		H	28.8
		V	21.8
Optical Distortion	-2.51% (MAX)		
CRA	≤16°		
M. O. D.	0.5m		
Dimension	Φ45×66.1mm		
Weight	200.5±5g		
Flange BFL	17.526mm (in air)		
BFL	12.7mm (in air)		
MBF	11mm (in air)		
IR Correction	Yes		
Operation	Iris	Manual	
	Focus	Manual	
	Zoom	/	
Operating temperature	-30°C ~ +70°C		

## Size



Size tolerance (mm) :	0-10±0.05	10-30±0.10	30-120±0.20
Angle tolerance	±2°		

Test Standard			
Model:		BLF1M2514MP8-IR	
Test Items		Test Content	
1	Resolution Test	Test Conditions	Φ12 (diameter 1.2m)
		Center ≥	160 lp/mm
		Φ12 ≥	125 lp/mm
		Image Standard	The image should be clear.
	Environment	≤1 lux	
2	Appearance Inspection	Inside Lens Barrel	<p>60-40:</p> <p>60 Scratch: The maximum scratch width is allowed to be 0.06mm, scratch length on the first surface &lt; 1mm, scratch length on other surface &lt; Φ/4. Scratch total length &lt; Φ/2.</p> <p>40 Bright Spots: (the size of the bright spot is determined by the longest side) The maximum bright spot size is allowed to be 0.4mm, only one in the middle and edge regions. Two bright spots is allowed when the size ≤ 0.2mm, and the distance must ≥ 1mm;</p>
		Outside Lens Barrel	The lens barrel has no obvious color difference, scratch, break, deformation; the glue is not allowed to overflow into the effective light path; no word drop, clear writing, the same font size, even spacing, etc;
		Rotation	Feel the rotation back and forth smoothly without jumping, stuck and abnormal sounds, etc

## Reliability and Environmental Testing

Model:

BLF1M2514MP8-IR

Test Items

Test Content

1

Temperature Cycling Test

Lens is placed on two cycles in the test temperature ( $-30\pm 3$ )°C for 1.5 hours and in ( $70\pm 3$ )°C for 3 hours separately. Then, the indicators are qualified after placing the lens at room temperature for 24 hours.

2

Damp heat test

Lens is placed in the test temperature ( $70\pm 3$ )°C, humidity 85% RH for 48 hours. Then, the indicators are qualified after placing the lens at room temperature for 24 hours.

3

Drop Test

Lens drops from the height of ( $1\pm 0.1$ m) to the concrete ground. After the testing, the indicators are qualified.

4

Vibration Test

Lens vibrates 2h in sinusoidal wave under 1 mm of amplitude and 50Hz of frequency. After the testing, the indicators are qualified.

Packing Specification	
Model:	BLF1M2514MP8-IR
<ol style="list-style-type: none"><li>1. Stick label on the surface of lens after capped.</li><li>2. Put the lens into the carton box.</li><li>3. The unit will be packaged in a corrugated box.</li><li>4. Seal the corrugated box with tape and mark the surface.</li></ol>	