



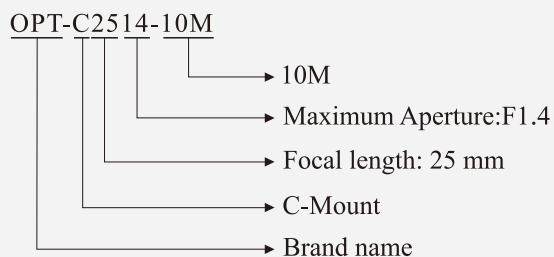
10M Fixed Focal Length Lenses



Product Features

- **High resolution**
High resolution optical design, compatible with mainstream 10MP industrial cameras. Suitable for pixel size 3.45 μm and above, compatible with 12MP cameras up to 1.1" ^[1] sensor size. Full-field-of-view resolution up to 140 lp/mm to ensure image clarity.
- **Low distortion**
Total distortion < 0.8%, min. distortion as low as 0.1%
- **Floating focus design** ^[2]
Total distortion is less than 0.8%, with minimum distortion as low as 0.1%.
[1] OPT-C0824-10M, OPT-C1220-10M, and OPT-C1616-10M: Max compatible with 1" sensor
[2] OPT-C5024-10M and OPT-C7528-10M are not included.

Selection Guide



Resolution Comparison

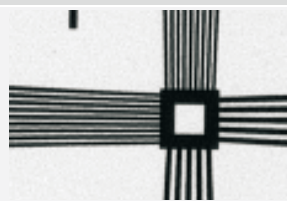


Image taken by
OPT 10M Lens

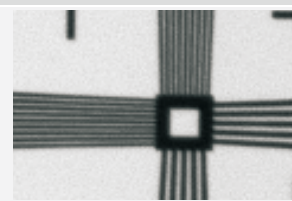


Image taken by other lens

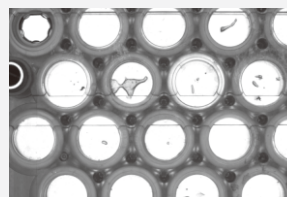
Application Cases



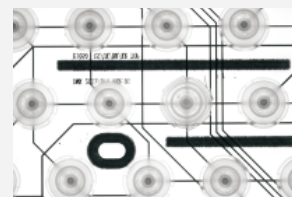
Metal piece flatness inspection



Glass crack detection



Glue on battery surface
inspection



Silicone inspection

Model Table

No.	Model	Focal length (mm)	Aperture range	WD (mm)	Filter thread (mm)	Distortion	Back focal length (mm)	Weight (kg)	Sensor	FOV angle (H×V×D)
1	OPT-C0828-10M	8.5	F2.8-F1.6	100~∞	M86×0.75-6H	<0.22% at WD260 <0.66% at WD500	11.57 at WD100 10.85 at ∞	0.41	2/3" 1"	54.7° 42.4° 65.8° 73.9° 58.9° 86.5°
2	OPT-C1220-10M	12	F2.0-F1.6	100~∞	M37.5×0.5-6H	<0.77%	10.36	0.19	2/3" 1"	40.2° 30.6° 49.6° 56.1° 43.6° 67.4°
3	OPT-C1616-10M	16	F1.6-F1.6	100~∞	M37.5×0.5-6H	<0.68%	10.7	0.19	2/3" 1"	30.7° 23.2° 38.4° 43.6° 33.4° 53.1°
4	OPT-C2514-10M	25	F1.4-F1.6	200~∞	M37.5×0.5-6H	<0.3%	10.8	0.1	2/3" 1.1"	20.1° 15.4° 24.3° 31.2° 23.4° 38.4°
5	OPT-C3514-10M	35	F1.4-F1.6	160~∞	M40.5×0.5-6H	<0.39%	11.3	0.12	2/3" 1.1"	14.4° 10.8° 17.6° 22.4° 16.8° 27.8°

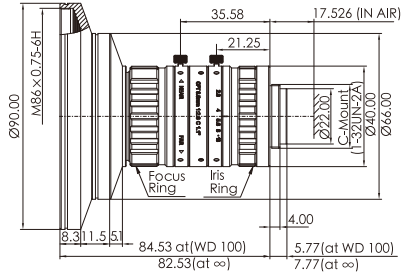


Model Table

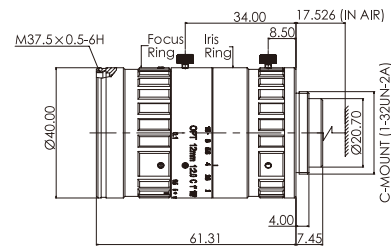
No.	Model	Focal length (mm)	Aperture range	WD (mm)	Filter thread (mm)	Distortion	Back focal length (mm)	Weight (kg)	Sensor	FOV angle (H×V×D)		
6	OPT-C5024-10M	50	F2.4-F22	550~∞	M37.5×0.5-6H	<0.1%	16.24	0.13	2/3"	10°	7.6°	12.2°
									1.1"	15.6°	11.8°	19.4°
7	OPT-C7528-10M	75	F2.8-F32	600~∞	M37.5×0.5-6H	<0.1%	36.9	0.25	2/3"	6.7°	5.0°	8.2°
									1.1"	10.4°	7.9°	13°

Dimensions (mm)

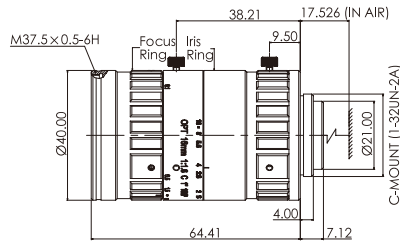
1.OPT-C0828-10M



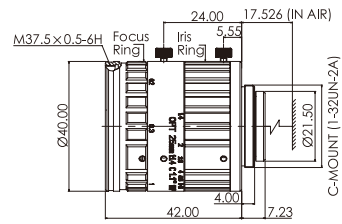
2.OPT-C1220-10M



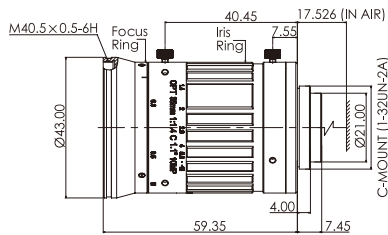
3.OPT-C1616-10M



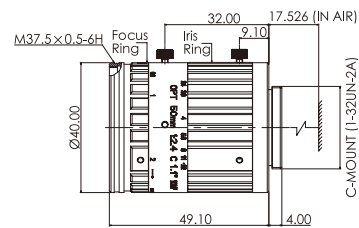
4.OPT-C2514-10M



5.OPT-C3514-10M



6.OPT-C5024-10M



7.OPT-C7528-10M

