

10MP Fixed Focal Length Lenses



Product Features

- **High resolution**
Compatible with most 10MP industrial cameras, and 12MP cameras^[1] of $\geq 3.45\mu\text{m}$ pixel size and max. 1.1" sensor
- **Low distortion**
Total distortion $< 0.8\%$, min. distortion as low as 0.1%
- **Floating focus design**^[2]
It allows the capture of high quality images at different distances.

[1] OPT-C0824-10M/OPT-C1220-10M/OPT-C1616-10M: Max compatible with 1" sensor
[2] OPT-C5024-10M & OPT-C7528-10M are not included.

Selection Guide

OPT-C2514-10M

- 10M pixel
- F#: 1.4
- Focal length: 25mm
- C-Mount
- Brand name

Resolution Comparison

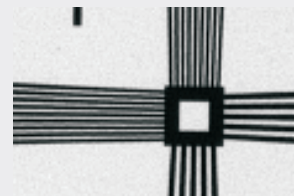


Image taken via
OPT-C2514-10M

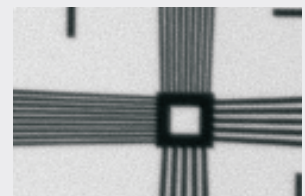


Image taken via other lens

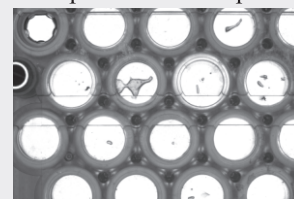
Application Examples



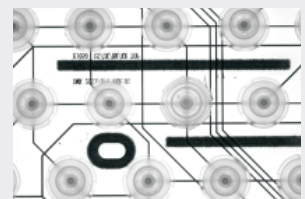
Metal piece flatness inspection



Glass crack detection

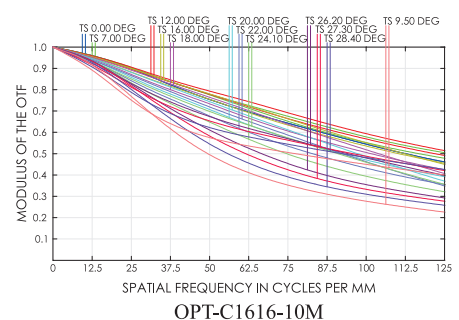
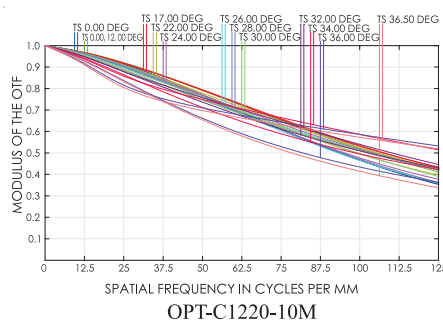
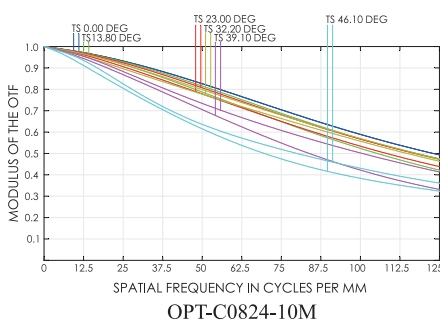


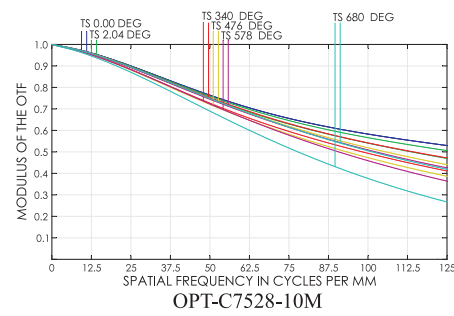
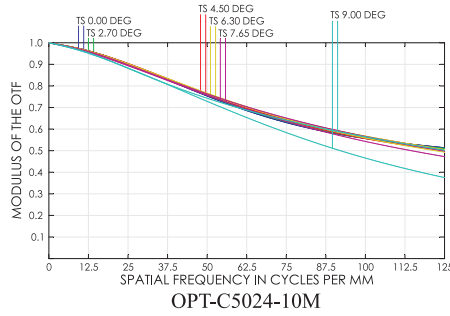
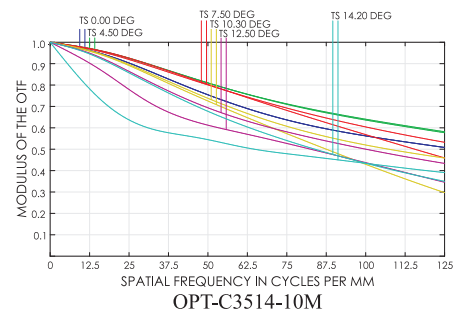
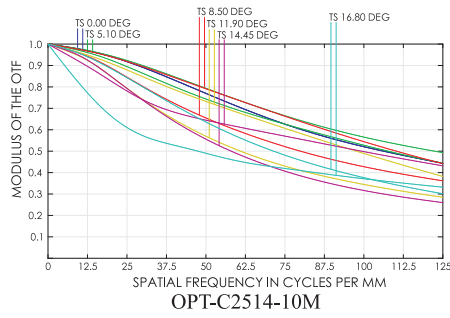
Inspection for glue on
battery surface



Inspection for silicone

MTF Charts



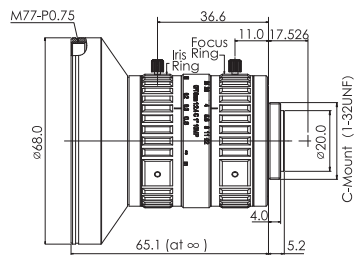


Model Table

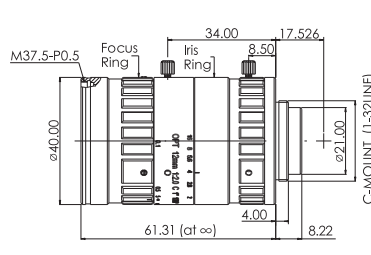
No.	Model	Focal length (mm)	Aperture range	WD (mm)	Filter thread	Distortion	Back focal length (mm)	Weight (kg)	Sensor format	FOV angle (H×V×D)		
1	OPT-C0824-10M	8.5	F2.4-F22	100-∞	M77×0.75	<0.7%	12.24	0.27	2/3"	54.7°	42.4°	65.8°
									1"	73.9°	58.9°	86.5°
2	OPT-C1220-10M	12	F2.0-F16	100-∞	M37.5×0.5	<0.77%	10.36	0.19	2/3"	40.2°	30.6°	49.6°
									1"	56.14°	43.60°	67.38°
3	OPT-C1616-10M	16	F1.6-F16	100-∞	M37.5×0.5	<0.68%	10.7	0.19	2/3"	30.7°	23.2°	38.4°
									1"	43.60°	33.40°	53.13°
4	OPT-C2514-10M	25	F1.4-F16	200-∞	M37.5×0.5	<0.3%	10.8	0.1	2/3"	20.1°	15.4°	24.3°
									1.1"	31.2°	23.4°	38.4°
5	OPT-C3514-10M	35	F1.4-F16	160-∞	M40.5×0.5	<0.39%	11.3	0.12	2/3"	14.4°	10.8°	17.6°
									1.1"	22.4°	16.8°	27.8°
6	OPT-C5024-10M	50	F2.4-F22	550-∞	M37.5×0.5	<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	<0.1%	36.9	0.25	2/3"	6.66°	5.0°	8.2°
									1.1"	10.4°	7.9°	13°

Dimensions (mm)

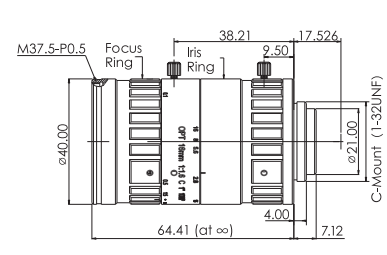
1.OPT-C0824-10M



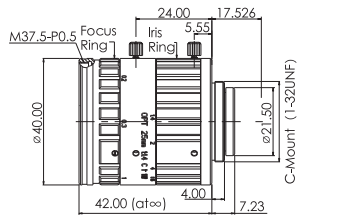
2.OPT-C1220-10M



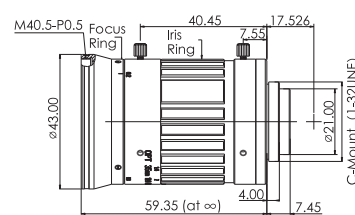
3.OPT-C1616-10M



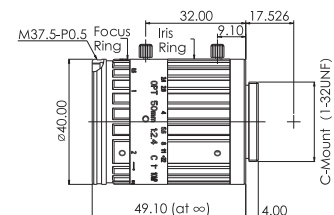
4.OPT-C2514-10M



5.OPT-C3514-10M



6.OPT-C5024-10M



7.OPT-C7528-10M

