

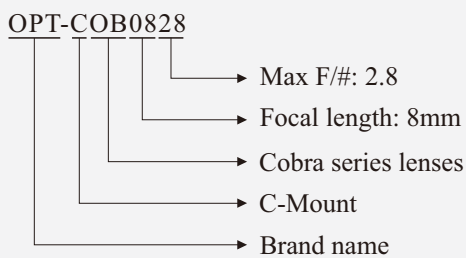
Cobra Series 2 New



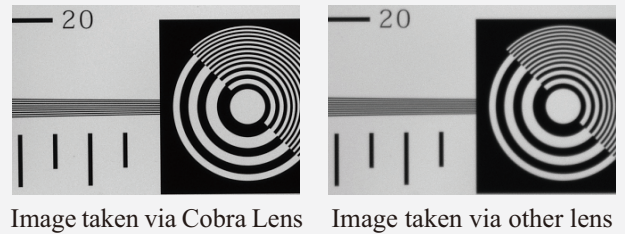
Product Features

- **Compact Design**
Diameter $\varnothing=29\text{mm}$, lens length $< 42\text{mm}$.
Fixed screws used for focus and aperture.
- **High Resolution**
230 lp/mm.
- **Wide Spectrum Range**
Compatible with VIS and NIR (400 - 1000nm).
- **Low Distortion**
TV distortion $< 0.2\%$.
- **High Relative Illumination**
Image side main beam angle CRA is less than 5° ,
which guarantees a high relative illumination over the entire image.

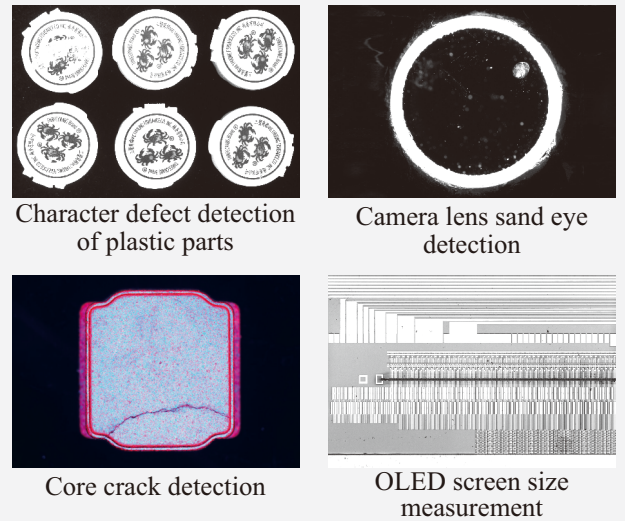
Selection Guide



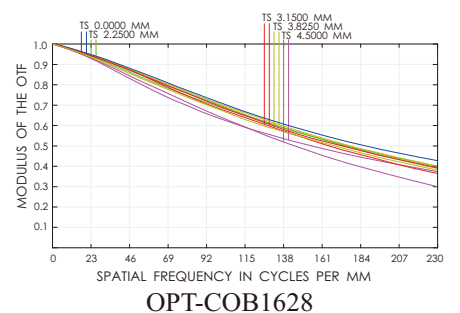
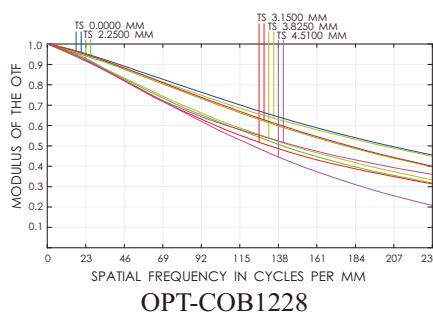
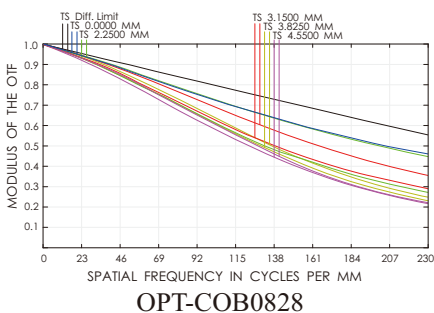
Resolution Comparison

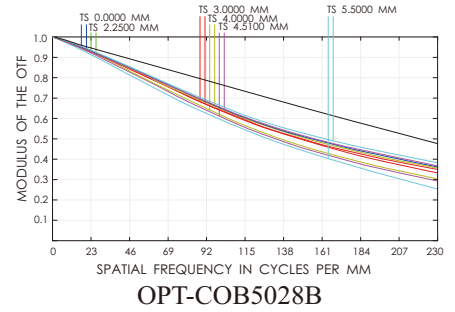
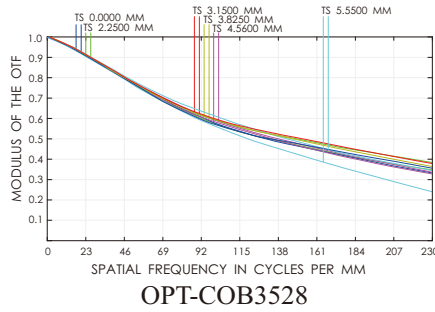
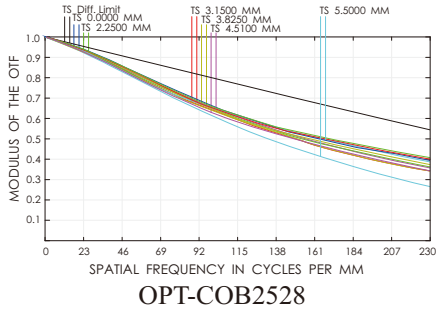


Application Examples



MTF Drawing



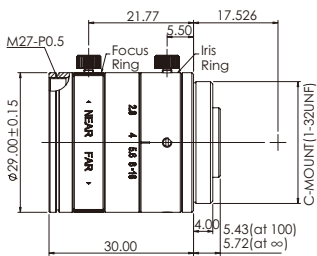


Model Table

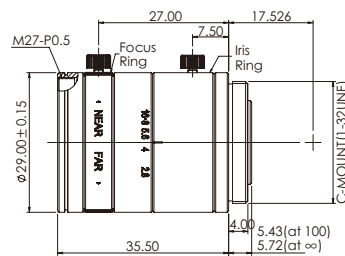
No.	Model	Focal length (mm)	Aperture range	Image circle Ø (mm)	TV Distortion (%)	WD (mm)	Back focal length (mm)	Filter thread	Weight (kg)	Mount	Sensor format	FOV angle (H×V×D)		
1	OPT-COB0828	8	F2.8-F16	9	0.18%	100-∞	12.34	M27*P0.5	0.05	C	1/3"	33.11°	25.09°	40.81°
											1/2.5"	39.30°	29.74°	48.03°
											1/2"	43.29°	33.11°	52.80°
											1/1.8"	47.99°	36.48°	58.00°
2	OPT-COB1228	12	F2.8-F16	9	0.16%	100-∞	12.76	M27*P0.5	0.06	C	1/3"	22.76°	17.21°	28.20°
											1/2.5"	27.12°	20.41°	33.43°
											1/2"	29.99°	22.76°	36.98°
											1/1.8"	33.41°	25.13°	40.93°
3	OPT-COB1628	16	F2.8-F16	9	0.10%	100-∞	15.76	M27*P0.5	0.06	C	1/3"	16.81°	12.60°	20.98°
											1/2.5"	20.15°	15.03°	25.03°
											1/2"	22.36°	16.81°	27.80°
											1/1.8"	25.01°	18.62°	30.91°
4	OPT-COB2528	25	F2.8-F16	11	0.15%	150-∞	16.63	M27*P0.5	0.05	C	1/3"	11.14°	8.46°	13.85°
											1/2.5"	13.31°	9.94°	16.50°
											1/1.8"	16.49°	12.31°	20.40°
											2/3"	19.43°	16.23°	25.13°
5	OPT-COB3528	35	F2.8-F16	11	0.20%	210-∞	18.39	M27*P0.5	0.06	C	1/3"	7.72°	5.77°	9.67°
											1/2.5"	9.18°	6.89°	11.59°
											1/1.8"	11.58°	8.56°	14.41°
											2/3"	13.72°	11.42°	17.82°
6	OPT-COB5028B	50	F2.8-F22	11	0.07%	400-∞	20.56	M27*P0.5	0.06	C	1/3"	5.58°	4.21°	6.95°
											1/2.5"	6.67°	5.00°	8.29°
											1/1.8"	8.28°	6.17°	10.28°
											2/3"	9.13°	7.73°	12.03°

Dimensions (mm)

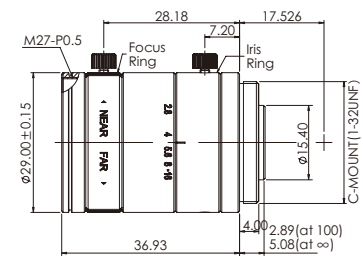
1. OPT-COB0828



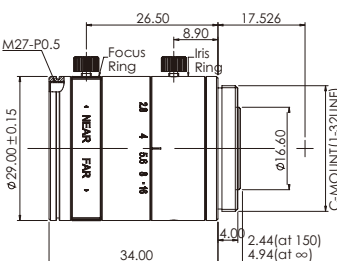
2. OPT-COB1228



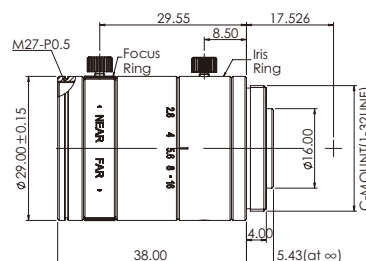
3. OPT-COB1628



4. OPT-COB2528



5. OPT-COB3528



6. OPT-COB5028B

