

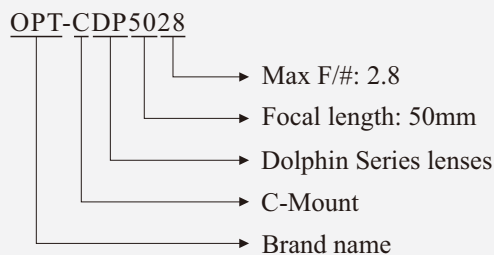
Dolphin Series Fixed Focal Lens



Product Features

- High resolution**
208 lp/mm resolution; suitable for cameras of $\geq 2.4\mu\text{m}$ pixel size and $\leq 1.1"$ ($\varnothing 17.6\text{mm}$) sensor format.
- Wide spectrum range**
Compatible with VIS and NIR (400 - 1000nm).
- Low distortion**
TV distortion $< 0.3\%$.
- High Relative Illumination**
CRA Below 5° , this guarantees a high relative illumination across the entire image without vignetting.

Selection Guide



Resolution Comparison

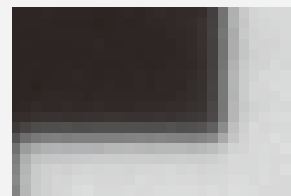


Image taken via CDP lens

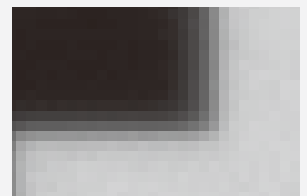
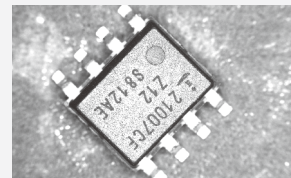


Image taken via other lens

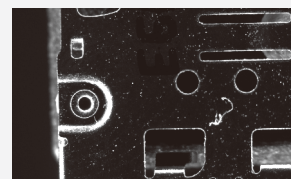
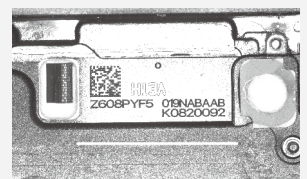
Application Examples



IC character detection



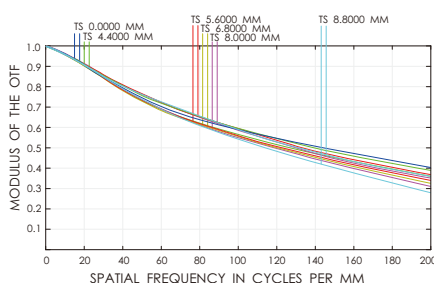
Connector PIN detection


Shielding cover hole
positioning detection

Mobile phone shell
character recognition

Model Table

No.	Model	Focal length (mm)	Aperture range	Image circle $\varnothing$ (mm)	TV Distortion (%)	WD (mm)	Back focal length (mm)	Filter thread	Weight (kg)	Mount	Sensor format	FOV angle (H×V×D)		
1	OPT-CDP5028	50	F2.8-F16	17.6	0.08%	250-∞	13.05	M32.5*P0.5	0.17	C	2/3"	10.06°	7.55°	12.55°
											1.1"	16.03°	12.06°	19.96°

MTF Drawing



Dimensions (mm)

