

Grampus Series Line Scan Lenses **NEW**



Product Features

- **Large image circle**
High resolution optical design; Ø 82mm image circle, compatible with (16k)5μm, (12k)5μm, and (8k)7μm line scan cameras
- **Low distortion**
Total distortion < 0.028%^[1], Min. distortion as low as 0.01%
- **Wide magnification range**
0.22X - 1.56X

[1] Distortion at primary magnification.

Resolution Comparison



Image taken by Grampus

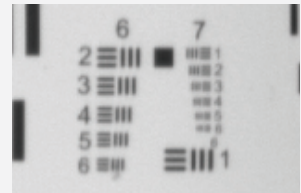
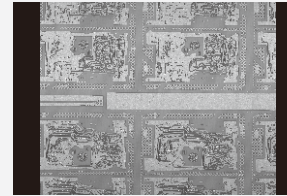
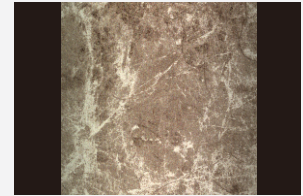


Image taken by other lens

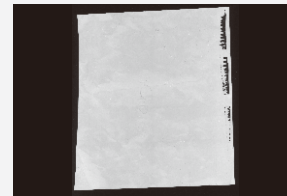
Application Cases



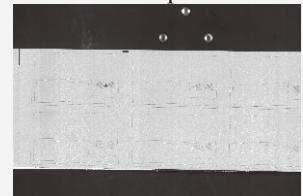
PCB board defect inspection



Floor tile surface texture and color inspection



Optical film defect inspection



Film printed circuit inspection

Selection Guide

OPT-VGP116/3.2-1.5X

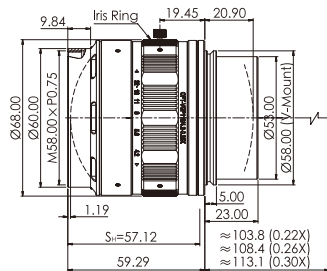
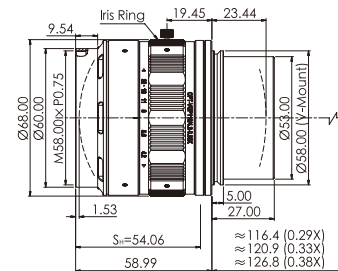
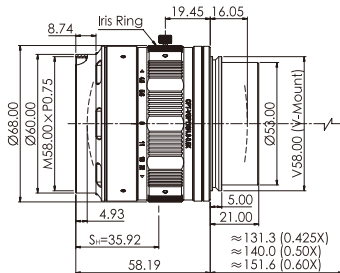
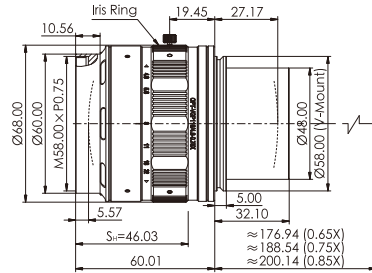
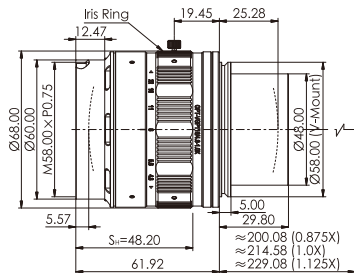
- 1.5X primary magnification
- F#: 3.2
- 116mm±5% focal length
- Grampus series line scan lenses
- V-Mount
- Brand name

Model Table

No.	Model	Focal length (mm)	Aperture range	Image circle Ø (mm)	Interface	Weight (kg)	Distortion	Mag.	WD (mm)	Flange focal distance (mm)	Object to image distance (mm)
1	OPT-VGP116/4.2-0.26X	116	F4.2-F32	82	V58	0.54	0.177%	0.22X	586.8	103.8	751.5
							0.012%	0.26X	504.8	108.4	674.5
							0.169%	0.30X	444.8	113.1	623.8
2	OPT-VGP116/4.2-0.33X	116	F4.2-F32	82	V58	0.53	0.085%	0.29X	462.5	116.4	639.5
							0.010%	0.33X	414.5	120.9	596
							0.107%	0.38X	367.5	126.8	554.8
3	OPT-VGP116/4.8-0.5X	116	F4.8-F22	82	V58	0.52	0.122%	0.425X	353.0	131.3	542.5
							0.028%	0.50X	312.1	140	510.3
							0.090%	0.60X	273.4	151.6	483.2

Model Table

No.	Model	Focal length (mm)	Aperture range	Image circle Ø (mm)	Interface	Weight (kg)	Distortion	Mag.	WD (mm)	Flange focal distance (mm)	Object to image distance (mm)
4	OPT-VGP116/4.8-0.75X	116	F4.8-F22	82	V58	0.50	0.08%	0.65X	248.4	176.9	485.4
							0.01%	0.75X	224.6	188.5	473.2
							0.04%	0.85X	206.4	200.1	466.6
5	OPT-VGP116/4.8-1.0X	116	F4.8-F22	82	V58	0.53	0.060%	0.875X	200.4	200.1	462.4
							0.003%	1X	183.8	214.6	460.4
							0.045%	1.125X	170.9	229.1	461.9
6	OPT-VGP116/3.2-1.5X	116	F3.2-F22	82	V58	0.68	0.058%	1.43X	140.2	245.8	446.2
							0.018%	1.5X	136.4	254	450.6
							0.023%	1.56X	133.4	261	454.3

Dimensions (mm)
1.OPT-VGP116/4.2-0.26X

2.OPT-VGP116/4.2-0.33X

3.OPT-VGP116/4.8-0.5X

4.OPT-VGP116/4.8-0.75X

5.OPT-VGP116/4.8-1.0X

6.OPT-VGP116/3.2-1.5X
