

Line Scan lenses

LS-LSL series · Line scan lenses · 59 models

12x, M42-mount Line Scan Lens. An optically athermalized 20 mm line scan lens with M42 mount for compact 4K / 7 μ m cameras, 30 mm image circle and 0.12x-0.004x magnification, for printing and packaging inspection.

Features

- 4K resolution (7 μ m)
- M42 mount for compact cameras
- <0.5% low distortion
- Magnification 0.12x-0.004x
- Optically athermalized

Applications

- Printing
- Packaging



Models

Model	Focal length	Resolution	Aperture	Working distance	Magnification	Distortion	Mount
LS-SLS04020-M42	20 mm $\pm$ 5%	4K, 7 μ m	F3.5-16	150-5000 mm	0.12x-0.004x	<0.5%	M42 x P1.0
LS-SLS2003-M42	20 mm	4K	F4.5	-	-	-	M42 x P1
LS-SLS3501-4K	35 mm	-	F4.0 (aperture scale 4-16)	-	-	-	-
LS-SLS3502	35 mm	-	-	-	0.05x~0.2x	-	-
LS-SMZ-LS5001-65M	50 mm $\pm$ 5%	65 Megapixel	F3.6-22	-	0.5x-0.02x	-	M58 x P0.75
LS-SPH50	50 mm	-	F1.7 Manual Iris	-	-	-	F/M42/ PK Option
LS-SPH5028	50 mm	-	F2.8 Manual Iris	WD574 mm; Optimal 600~700 mm	0.094x	0.15%	M42 x 1
LS-SLS2003CV	20 mm	4K7 μ	F4.5	557.4 mm	0.0358X	0.20%	V
LS-SLS2502	25 mm	4K7 μ	-	-	0.03X	0.6% / 0.5% / 0.1% / 0.5%	M42
LS-SLS2801V	29 mm	4K7 μ	F4	299.7 mm	0.1X	0.10%	V
LS-SLS3508V	35 mm	2K10 μ /4K7 μ	F4.5	508 mm	0.08X	0.01%	V
LS-SLS4005M72	40 mm	8k7 μ /12k5 μ	F4	818.8 mm	0.05X	0.20%	M72
LS-SLS4010V	40 mm	4K7 μ	F2.8	400 mm	0.1X	0.50%	V
LS-SLS04050	50 mm	4K7 μ	-	-	0.32~0.01X	<0.2%	M42
LS-SLS5025-8K	50 mm	-	-	-	-	-	-

LS-SLS6002-8K	60 mm	-	F4.0	-	0.2~0.75x	-	-
LS-SLS6004-8K	60 mm	-	F4.0	-	0.04~0.2x	-	-
LS-SLS6016V	60 mm	4K7μ/8K7μ	F4	404 mm	0.167X	0.20%	V
LS-SLS8003V	80 mm	8K7μ/12K5μ	F5.6	320 mm	0.3X	0.01%	V
LS-SLS8002V	100 mm	8K7μ	F4.5	654.8 mm	0.2X	0.01%	V
LS-SLS1202V	116 mm	12K	F4.5	652.4 mm	0.2X	<0.01%	V
LS-SLS1203V	116 mm	12K	F4.5	415.1 mm	0.33X	<0.005%	V
LS-SLS1205V	116 mm	12K	F4.5	291.7 mm	0.5X	<0.01%	V
LS-SLS1207V	116 mm	12K	F4.5	209.8 mm	0.75X	<0.005%	V
LS-SLS1208V	116 mm	12K	F4.5	203.8 mm	0.806X	<0.005%	V
LS-SLS1210V	116 mm	12K	F4.5	164.2 mm	1X	<0.05%	V
LS-SLS1212V	116 mm	12K	F4.5	149.9 mm	1.24X	<0.005%	V
LS-SLS9001V	90 mm	12K5μ/16K3.5μ	F4	992.4 mm	0.1X	0.01%	V
LS-SLS9005V	95 mm	12K5μ/16K3.5μ	F4	1980 mm	0.05X	0.01%	V
LS-SLS1635-16K	100 mm	16K	F1.6 Manual Iris	-	3.35x / 3.5x / 3.65x	<0.01%	M59
LS-SLS1675V	100 mm	16K	F3.8	220.8 mm	0.75X	0.0008%	V
LS-SLS3528F-100M	35mm	100Megapixel (Pixel size 3.1μm)	F2.8~16 Manual iris	100 mm to infinity	-	-	V
LS-SLS3528V-100M	35mm	100Megapixel (Pixel size 3.1μm)	F2.8~16 Manual iris	-	-	-	V
LS-SLS1626V	114 mm	16K	F4.2	497.85 mm	0.26X	0.01%	V
LS-SLS1603V	116 mm	16K	F4.2	412 mm	0.33X	0.001%	V
LS-SLS1605V	116 mm	16K	F3.8	296.9 mm	0.5X	0.0008%	V
LS-SLS1607V	116 mm	16K	F3.8	229.4 mm	0.7X	0%	V
LS-SLS1610V	116 mm	16K	F3.5	184.16 mm	1.0X	0.0005%	V
LS-SLS1613V	116 mm	16K	F3.8	156.36 mm	1.33X	0.0003%	V
LS-SLS1615V	116 mm	16K	F3.8	143.9 mm	1.5X	0.08%	V
LS-SLS1617V	116 mm	16K	F3.8	137.84 mm	1.7X	0.05%	V
LS-SLS1620	116 mm	-	F3.8	135 mm	1.28X	0.0008%	-
LS-SLS1642V	116 mm	16K	F3.8	339.7 mm	0.42X	0.007%	V
LS-SLS1662V	116 mm	16K	F3.8	245.8 mm	0.625X	0.17%	V
LS-SLS1667V	116 mm	16K	F3.8	237.49 mm	0.67X	0.1%	V
LS-SLS1683V	116 mm	16K	F3.8	204.1 mm	0.83X	0.008%	V
LS-SLS5028F-100M	50 mm	100Megapixel (Pixel size 3.1 μm)	F2.8~22 Manual iris	150 mm to infinity	-	0.44% ; -0.35% @ 200~400 mm MOD	F
LS-SLS5028V-100M	50 mm	100Megapixel (Pixel size 3.1 μm)	F2.8~22 Manual iris	-	-	0.44% ; -0.35% @ 200~400 mm MOD	V
LS-SLS1603VB	120 mm	16K	F4.0	586.4 mm	0.3X	0.005%	V

LS-SLS1605VB	120 mm	16K	F4.0	390.5 mm	0.5X	0.002%	V
LS-SLS1620VB	120 mm	16K	F4.0	166.4 mm	2X	0.002%	V
LS-SLS1626VB	120 mm	16K	F4.0	663.3 mm	0.26X	0.001%	V
LS-SLS1630VB	120 mm	16K	F4.0	143 mm	3X	0.001%	V
LS-SLS5013F-120M	55 mm	120 Megapixel (2.2 μ m)	F3.3~22	-	-	<0.02%	M72 x P0.75
LS-SLS5515M72-150M	55mm	3.5 μ m (150 Megapixel)	F4.5~22	-	0.5x ~ 0.01x	0.01%	M72 x P0.75
LS-SLS8028F-100M	80 mm	100Megapixel (Pixel size 3.1 μ m)	F3.5~22 Manual iris	-	-	0.16% ; -0.04% @ 200~400 mm MOD	F
LS-SLS8028V-100M	80 mm	100Megapixel (Pixel size 3.1 μ m)	F3.5~22 Manual iris	-	-	0.16% ; -0.04% @ 200~400 mm MOD	V
LS-SLS9015M72-150M	90 mm $\pm$ 5%	150 Megapixel	F4.8-22	-	0.42x-0.07x	-	M72 x P0.75
LS-SMZ-LS9015-150M	90 mm $\pm$ 5%	150 Megapixel	F4.8-22	-	0.42x-0.07x	-	M72 x P0.75

More values per model (Image circle, Working distance vs magnification, Angle of view (D), Flange focal distance, Entrance pupil diameter, Relative illumination, Size, Filter thread, Format, Magnification / W.D. (mm), Image distance (mm), Conjugate distance (mm)...) are on each product page.

Dimensions

