

16K 3.5μ line scan lens

LS-16K3.5 series · Line scan lenses · 10 models



Line scan lenses specially designed for 16K 3.5 μm super-high-resolution line scan cameras; real lens resolution up to 160 lp/mm, max image circle up to 66 mm, compatible with 12K 5 μ cameras, optical distortion <1 pixel, big aperture F3.8.

Features

- Specially designed for 16K3.5μ super high resolution line scan camera
- Lens real resolution is up to 160lp/mm
- Max image circle is up to 66mm
- Compatible with 12k5μ camera
- Optical distortion is <1 pixel size
- Big aperture design Fno. 3.8

Applications

- Industrial: height - detecting metal markings
- Electronic component: yes or no / identify - check the number of tiny chips and poor imprint
- Electronic component: blemish / stain - detecting camera defects
- Electronic equipment: yes or no / identify - detect poorly bundled / broken lead wires of motors

Common specifications

Focal length	116mm
Magnification range	0.05X-1X
Mount	V-Mount
Distortion	<0.005%
Line scan format	16K 3.5μ
Note	Feature text says resolution up to 160lp/mm; the table lists central resolution 200lp/mm.

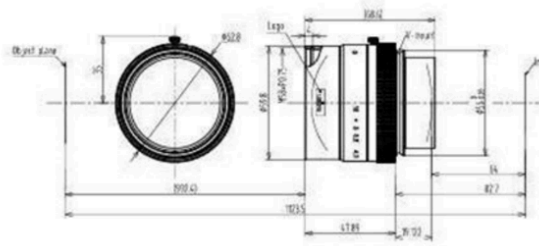
Models

Model	EFL	Standard magnification	Image size (dia.)	F/NO	Optical distortion	Working distance	Conjugate distance
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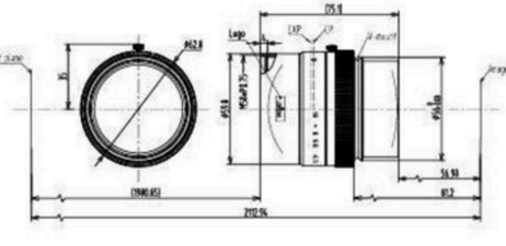
LS-LS9005A	95mm	0.05X	dia. 62	4.0-16	0.005%	1980.85	2112.94
LS-LS9001A	90mm	0.1X	dia. 64	4.0-16	0.01%	992.4	1123.5
LS-LS1626A	114mm	0.26X	dia. 66	3.8-16	0.01%	497.85	672.16
LS-LS1603A	116mm	0.33X	dia. 66	3.8-16	0.001%	412	595
LS-LS1642A	116mm	0.42X	dia. 66	3.8-16	0.007%	339.74	530.1
LS-LS1605A	116mm	0.5X	dia. 66	3.8-16	0.0008%	296.2	496
LS-LS1667A	116mm	0.67X	dia. 66	3.8-16	0.1%	237.4	453.5
LS-LS1607A	116mm	0.7X	dia. 66	3.8-16	0%	229.4	447.2
LS-LS1675A	100mm	0.75X	dia. 66	3.8-16	0.0008%	220.8	444.8
LS-LS1610A	116mm	1X	dia. 66	3.8-16	0.0005%	184.16	439.45

More values per model (Flange distance, Central resolution, Sensor format, Aperture) are on each product page.

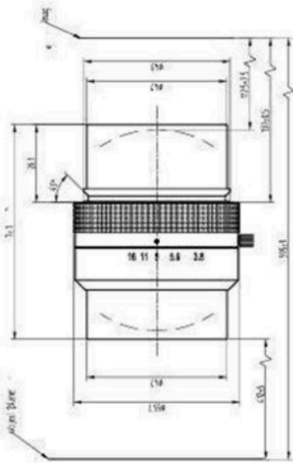
Dimensions



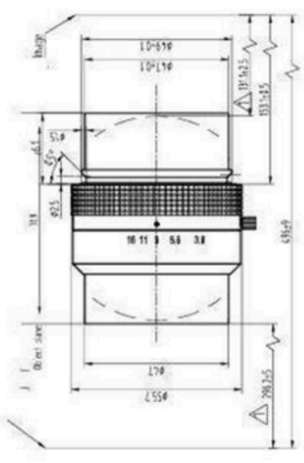
LS-LS9001A



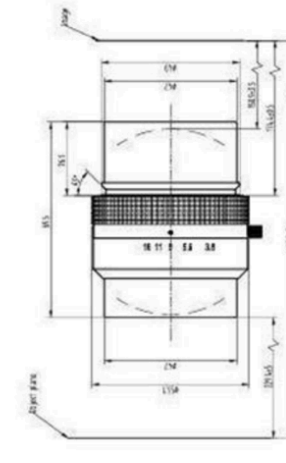
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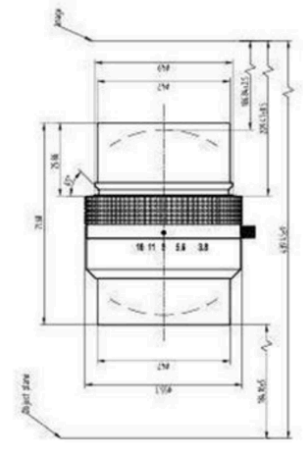
LS-LS1603A



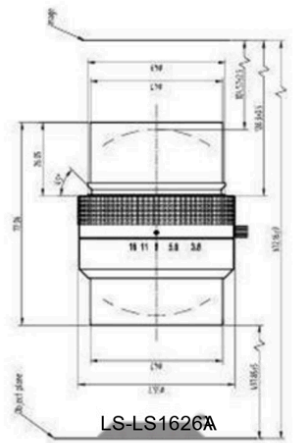
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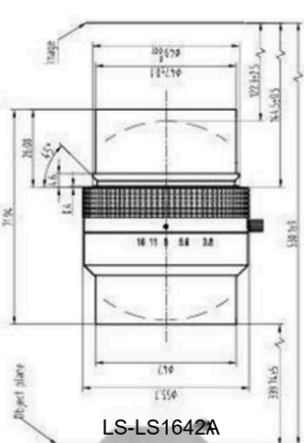
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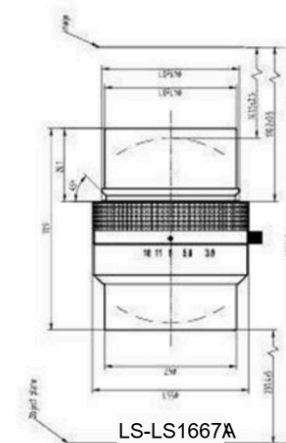
LS-LS1610A



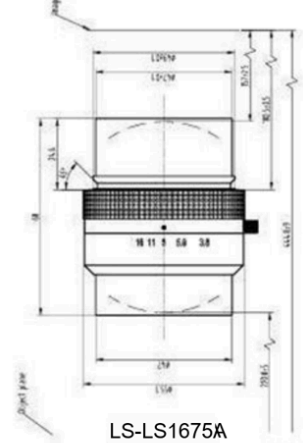
LS-LS1626A



LS-LS1642A



LS-LS1667A



LS-LS1675A