

4K-16K high definition line scan lens (L series)

LS-L series · Line scan lenses · 16 models

Bi-telecentric
high-definition
line scan lens for
4K-16K chips,
with high centre-
to-edge
consistency,
ultra-low
distortion and a
large depth of
field for products
of different
heights.



Features

- 4K-16K
multiple chips
available
(supports 16K
chips)
- Excellent
optical
performance
with high
center and
edge
consistency
- Excellent
bilateral
telecentric
optical path,
ultra-low
distortion
design
- Large depth of
field design
for different
height
imaging
products
- High
uniformity

Applications

- Line scan
imaging of
products of
different
heights

Common specifications

Lighting mode

Ordering code: HF<image circle>-L<magnification>-<WD>

Models

Model	Magnification (X)	Working distance (mm)	DOF (mm)	Iris (F)	Telecentricity (°)	Optical distortion (%)	Mount
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LS-HF82-L1-140	1	140	1.2	F10	<0.04	<0.04	M95
LS-HF63-L07-140	0.7	140	2	F10	<0.04	<0.04	M72
LS-HF63-L2-115	2	115	0.4	F11	<0.04	<0.04	M72
LS-L162-110	1.62	110	5.5	F18	<0.05	<0.05	M58/ M72
LS-L139-120	1.39	120	6.5	F18	<0.05	<0.05	M58/ M72
LS-L091-158	0.91	158	7	F8	<0.05	<0.05	M58/ M72
LS-L073-230	0.73	230	7	F8	<0.05	<0.05	M58/ M72
LS-L063-250	0.63	250	9	F10	<0.05	<0.05	M58/ M72
LS-L053-250	0.53	250	5.5	F8	<0.05	<0.05	M58/ M72
LS-L043-285	0.43	285	9	F8	<0.05	<0.05	M58/ M72
LS-L039-300	0.39	300	12	F8	<0.05	<0.05	M58/ M72
LS-L035-320	0.35	320	12	F9	<0.05	<0.05	M58/ M72
LS-L025-410	0.25	410	18	F9	<0.05	<0.05	M58/ M72
LS-HF29-L063-130	0.63	130	2.2	F7.5	<0.03	<0.03	F
LS-HF29-L14-110	0.9	175	1.25	F7.5	<0.04	<0.04	F
LS-HF29-L175-110	1.75	110	0.35	F11	<0.03	<0.03	F

More values per model (Sensor size, View distance maximum (mm), Sensor format, Aperture) are on each product page.