

LF series lenses

LS-LF series · Machine vision lenses · 6 models

8, Full Frame $\phi 43.2$ mm, 29MP Lens, F-Mount. Provides ultra-high consistency of image clarity. Provides ultra-low distortion and high peripheral brightness ratio.

Features

- Provides ultra-high consistency of image clarity.
- Provides ultra-low distortion and high peripheral brightness ratio.
- Provides image size $\phi 43.2$ mm for large format area scan and 8k 5 μ m line scan cameras.
- Optimizes optical designs for magnification.



Models

Model	Focal length	F-number	Image size	Optical distortion	Dimension	Temperature	Certification
LS-LF3528M-F	35 mm	F2.8 to F16	$\phi 43.2$ mm	0.40%	$\phi 61$ mm $\times$ 81.5 mm ($\phi 2.4$ " $\times$ 3.2")	-10 °C to 50 °C (14 °F to 122 °F)	RoHS 2.0
LS-LF3540M-F	35 mm	F4.0 to F16	$\phi 43.2$ mm	0.46%	$\phi 61$ mm $\times$ 67.12 mm to 73.62 mm ($\phi 2.4$ " $\times$ 2.6" to 2.9")	-10 °C to 50 °C (14 °F to 122 °F)	RoHS 2.0
LS-LF5040M-F	50 mm	F4.0 to F22	$\phi 56$ mm	0.41%	$\phi 59$ mm $\times$ 98.2 mm ($\phi 2.32$ " $\times$ 3.87")	-10 °C to 50 °C (14 °F to 122 °F)	RoHS 2.0
LS-LF8040M-F	80 mm	F4.0 to F22	$\phi 56$ mm	0.12%	$\phi 63$ mm $\times$ 120.5 mm ($\phi 2.48$ " $\times$ 4.74")	-10 °C to 50 °C (14 °F to 122 °F)	RoHS 2.0
LS-LF5545M-M72	-	-	-	-	$\phi 80 \times 179.5$ mm	-10 ~ 50°C	RoHS2.0
LS-LF2528M-F	25 mm	F2.8 ~ F32	$\phi 43.2$ mm	0.40%	$\phi 80 \times 95.75$ mm	-10 ~ 50°C	RoHS2.0

More values per model (Magnification range, Working distance range, Iris control, Focus control, Filter thread, Mount, Flange back length, Weight, Conjugate distance range, Focal Length, F-Number, Image Size...) are on each product page.

Performance

