

MF-E series lenses

LS-MF-E series · Machine vision lenses · 6 models



4, 2/3", 5MP Lens, C-Mount. High resolution and consistency of image clarity. Lower distortion and higher relative illumination rate.

Features

- High resolution and consistency of image clarity.
- Lower distortion and higher relative illumination rate.
- Achromatic optical system design, Better imaging performance with color camera.
- Excellent performance at high and low temperature.
- Good optical performance at ultra-short working distance.

Common specifications

Image size	Ø11 mm (2/3")
Iris control	Manual
Focus control	Manual
Mount	C-mount
Flange back length	17.526 mm
Temperature	-10 °C to 50 °C (14 °F to 122 °F)
Certification	RoHS 2.0

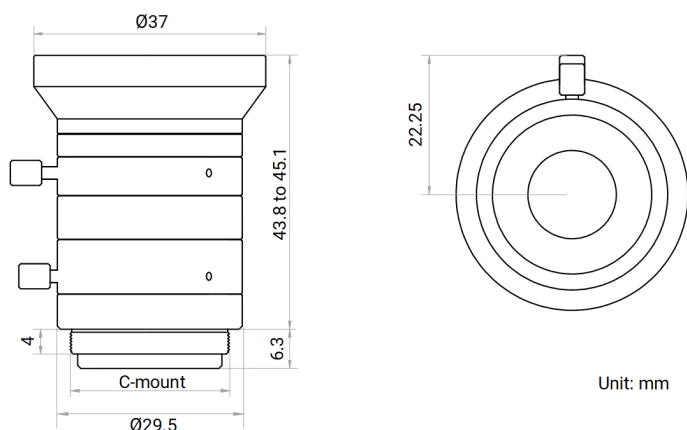
Models

Model	Focal length	F-number	TV distortion	Minimum object distance	Field of View	Filter thread	Dimension
LS-MF0824M-5MPE	8 mm	F2.4 to F16	-0.90%	0.1 m	D (11.1 mm): 70.6°; H (8.45 mm): 56.4°; V (7.07 mm): 48.3°	M35.5 × 0.5	Ø37 mm × 43.8 mm to 45.1 mm (Ø1.5" × 1.7" to 1.8")
LS-MF1224M-5MPE	12 mm	F2.4 to F16	-0.15%	0.15 m	D (11.1 mm): 48.9°; H (8.45 mm): 38.3°; V (7.07 mm): 32.4°	M27 × 0.5	Ø29 mm × 36 mm to 37.5 mm (Ø1.1" × 1.4" to 1.5")

LS-MF1618M-5MPE	16 mm	F1.8 to F16	-0.55%	0.2 m	D (11.1 mm): 37.4°; H (8.45 mm): 28.8°; V (7.07 mm): 24.2°	M27 × 0.5	Ø29 mm × 38.3 mm to 40.1 mm (Ø1.1" × 1.5" to 1.6")
LS-MF2518M-5MPE	25 mm	F1.8 to F16	-0.51%	0.2 m	D (11.1 mm): 24.1°; H (8.45 mm): 18.4°; V (7.07 mm): 15.4°	M27 × 0.5	Ø29 mm × 32.1 mm to 37.1 mm (Ø1.1" × 1.3" to 1.5")
LS-MF3518M-5MPE	35 mm	F1.8 to F16	0.05%	0.25 m	D (11.1 mm): 15.8°; H (8.45 mm): 12.1°; V (7.07 mm): 10.2°	M27 × 0.5	Ø29 mm × 32.9 mm to 39.9 mm (Ø1.1" × 1.3" to 1.6")
LS-MF5028M-5MPE	50 mm	F2.8 to F16	-0.09%	0.4 m	D (11.1 mm): 11.6°; H (8.45 mm): 8.8°; V (7.07 mm): 7.4°	M27 × 0.5	Ø29 mm × 44.7 mm to 50.7 mm (Ø1.1" × 1.8" to 2.0")

More values per model (Weight) are on each product page.

Performance



Product views

