

HF-E series lenses

LS-HF-E series · Machine vision lenses · 9 models

8, 1/1.8", 6MP Lens, C-Mount. Higher image clarity and contrast ratio Ultra-low distortion and higher relative illumination rate

Features

- Higher image clarity and contrast ratio
- Ultra-low distortion and higher relative illumination rate
- Good optical performance at ultra-short working distance
- Compact design, convenient for device integration



Common specifications

Iris control	Manual
Focus control	Manual

Models

Model	Focal length	F-number	Image size	Filter thread	Flange back length	Dimension	Weight
LS-HF0828M-6MPE	8 mm	F2.8 to F16	Ø9 mm (1/1.8")	M30.5 × P0.5	17.526 mm	Ø33 mm × 34.5 mm (Ø1.3" × 1.4")	63.3 g (0.1 lb.)
LS-HF1228M-6MPE	12 mm	F2.8 to F16	Ø9 mm (1/1.8")	M27 × P0.5	17.526mm	Ø33 mm × 40.2 mm (Ø1.3" × 1.6")	61.7 g (0.1 lb.)
LS-HF1628M-6MPE	16 mm	F2.8 to F16	Ø9 mm (1/1.8")	M27 × P0.5	17.526 mm	Ø33 mm × 31.9 mm (Ø1.3" × 1.3")	56.1 g (0.1 lb.)
LS-HF2528M-6MPE	25 mm	F2.8 to F16	Ø9 mm (1/1.8")	M27 × P0.5	17.526 mm	Ø33 mm × 30.22 mm (Ø1.3" x 1.2")	48.1 g (0.1 lb.)
LS-HF3028M-6MPE	30 mm	F2.8 to F16	Ø9 mm (1/1.8")	M27 × P0.5	17.526 mm	Ø33 mm × 29.4 mm (Ø1.3" x 1.2")	49.2 g (0.1 lb.)
LS-HF4028M-6MPE	40 mm	F2.8 to F16	Ø9 mm (1/1.8")	M27 × P0.5	17.526 mm	Ø33 mm × 41.5 mm (Ø1.3" x 1.6")	67.1 g (0.1 lb.)
LS-HF5028M-6MPE	50 mm	F2.8 to F16	Ø9 mm (1/1.8")	M30.5 × 0.5	17.526 mm	Ø37 mm × 51.7 mm (Ø1.5" x 2.0")	102 g (0.2 lb.)
LS-XAC-40M42	40 mm	F2.8 ~ F22	Φ37 mm	M37 × 0.75	12 mm	Φ47.6 × 62.7 mm	171 g
LS-HF0628M-6MPE	6 mm	F2.8 to F16	Ø9 mm (1/1.8")	M37.5×P0.5	17.526 mm	Ø39 mm × 32.53 mm (Ø1.5" × 1.3")	65.8 g (0.1 lb.)

More values per model (Distortion, Minimum object distance, Field of view, Mount, Temperature, Certification, Optical distortion, Magnification range, Working distance range, Connector type) are on each product page.

Performance

