

MVL-HF1228M-6MPE

1/1.8" 12mm 6MP FA LENS

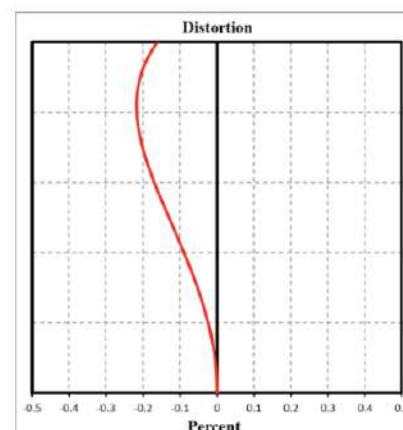
HF-E series FA Lens are optimized for machine vision light sources and sensors, with high resolution, excellent image uniformity, and good stability. Featured with fixed focal length, fixed iris and compact size, it is suitable for machine vision industry applications.



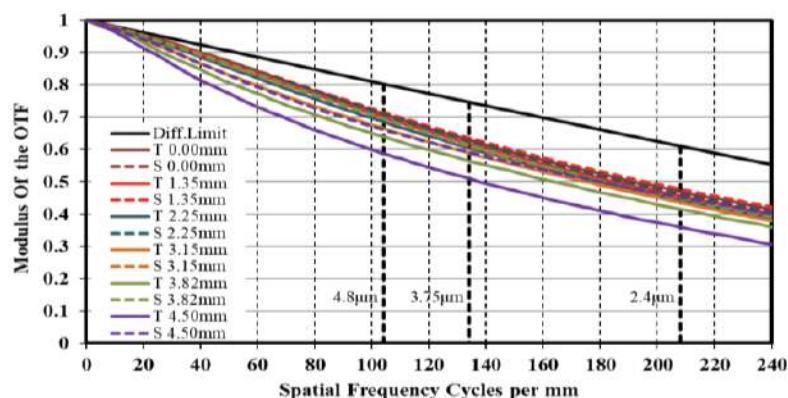
Key Features

- 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

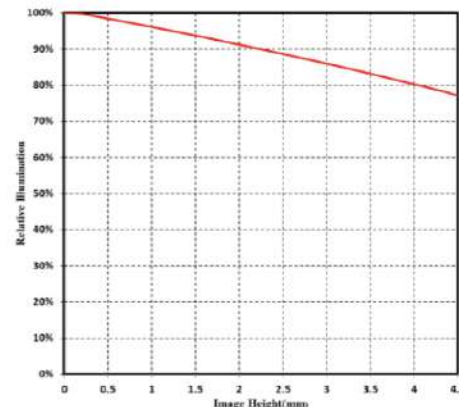
Distortion



MTF



Relative Illumination



Note: The above curves are the simulated results based on F2.8, $\beta=-0.039$, WD=300 mm.

Specification

	Model	MVL-HF1228M-6MPE
Parameter	Fixed focal length, Manual iris, 6MP, FA Lens	
Performance		
Focal length	12 mm	
F-number	F2.8 to F16	
Image size	Ø9 mm (1/1.8")	
Distortion	-0.005%	
Minimum object distance	0.1 m	
Field of view	D (8.96 mm): 40.94° H (7.38 mm): 34.14° V (4.92 mm): 23.17°	
Mechanical		
Iris control	Manual	
Focus control	Manual	
Filter thread	M27 × P0.5	
Mount	C-mount	
Flange back length	17.526 mm	
Dimension	Ø33 mm × 40.2 mm (Ø1.3" × 1.6")	
Weight	61.7 g (0.1 lb.)	
Temperature	-10 °C to 50 °C (14 °F to 122 °F)	
General		
Certification	RoHS 2.0	

Dimension

