

MVL-HF2528M-6MP
1/1.8" 25mm 6MP FA LENS

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



Key Features

- High resolution and excellent image uniformity
- Low distortion to ensure measurement accuracy
- Maximum image circle of 1/1.8"
- Easy device integration with compact structure

Order Model

MVL-HF2528M-6MP

Specification

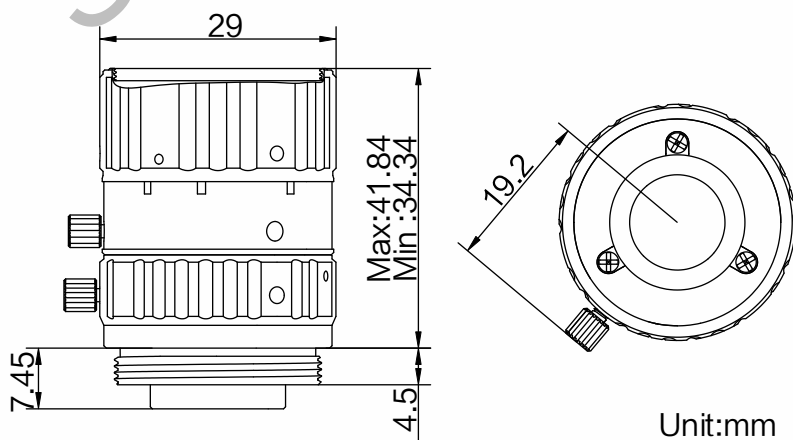
Model		MVL-HF2528M-6MP	
Parameter		Fixed focal length, Manual iris, 6MP, FA Lens	
Focal Length	25mm	Mount	C-Mount
F-Number	F2.8~F16	Flange Back Length	17.526mm
Image Size	Φ9mm(1/1.8")	Filter Thread	M25.5*0.5
Optical Distortion	-0.02%	Minimum Operation Distance	0.15m
Control	Iris	Manual	Dimension
	Focus	Manual	
Operating Temperature	-10~50°C	Weight	54g
Angle of View	1/1.8"	D (8.96mm)	19.8°
		H (7.37mm)	16.3°
		V (4.92mm)	10.9°



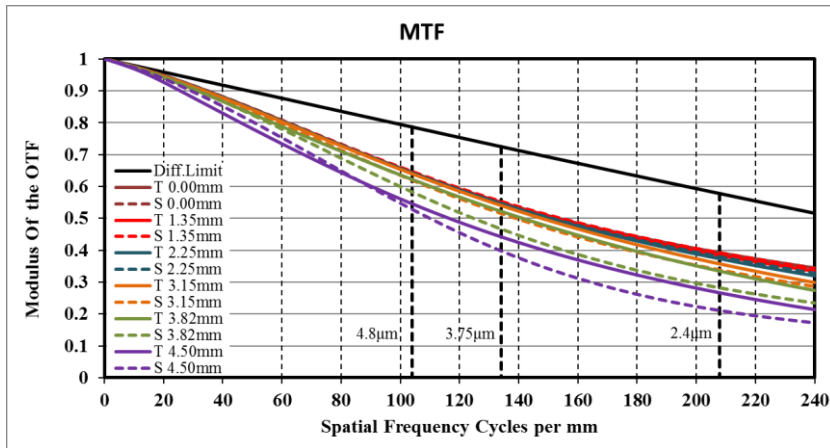
Field of View

Working Distance (mm)	Magnification	Extension (mm)	Field of View (mm)			
			1/1.8"		1/2"	
			(7.38mm × 4.92mm)		(6.22mm × 4.67mm)	
			H	V	H	V
25	-0.640	13	11.59	7.71	9.76	7.31
50	-0.398	6	18.61	12.38	15.67	11.75
75	-0.288	3	25.67	17.08	21.61	16.21
100	-0.224	2	33.03	21.99	27.82	20.87
150	-0.157		47.17	31.42	39.74	29.82
200	-0.119		62.17	41.42	52.38	39.32
250	-0.096		77.17	51.42	65.02	48.81
300	-0.080		92.17	61.42	77.67	58.30
350	-0.069		107.16	71.42	90.30	67.79
400	-0.060		122.15	81.42	102.94	77.28
450	-0.054		137.15	91.42	115.58	86.77
500	-0.049		152.14	101.42	128.22	96.27
550	-0.044		167.13	111.42	140.86	105.76
600	-0.041		182.12	121.42	153.50	115.25
650	-0.037		197.12	131.42	166.14	124.74
700	-0.035		212.11	141.42	178.78	134.23
750	-0.033		227.10	151.41	191.42	143.72
800	-0.031		242.09	161.41	204.05	153.21
850	-0.029		257.08	171.41	216.69	162.71
900	-0.027		272.07	181.41	229.33	172.20
950	-0.026		287.07	191.41	241.97	181.69
1000	-0.024		302.06	201.41	254.61	191.18

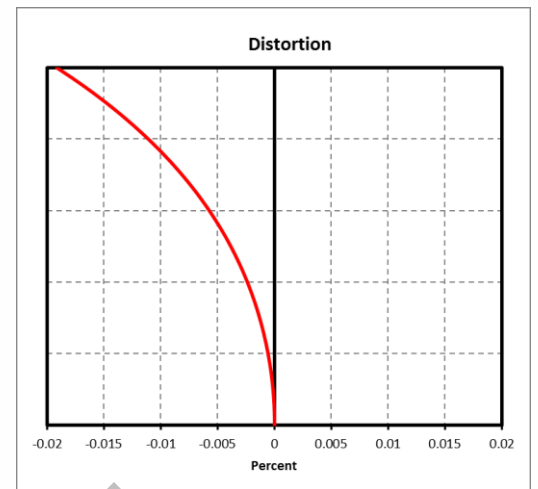
Dimension



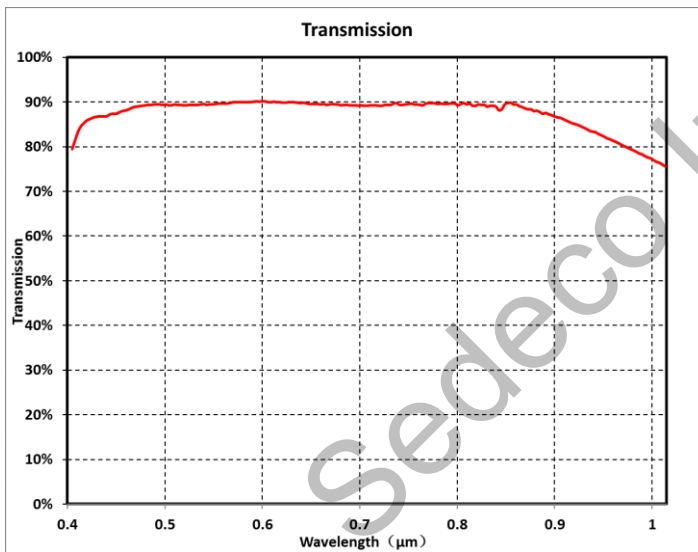
MTF



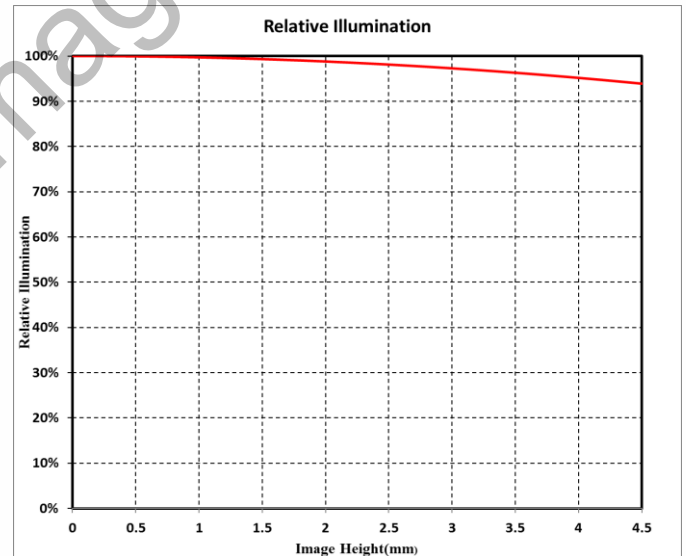
Distortion



Transmission



Relative Illumination



Note: The above curves are the simulate results based on F2.8, $\beta=-0.049$, WD=500 mm.

HIKROBOT

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