

MVL-MF2528M-8MP

2/3" 25mm 8MP FA LENS

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



Key Features

- High resolution and high image clarity
- Maximum aperture of F2.8 and maximum image circle of 2/3"
- Low distortion to ensure measurement accuracy
- Lower price and higher performance
- Compact structure for device integration

Order Model

MVL-MF2528M-8MP

Specification

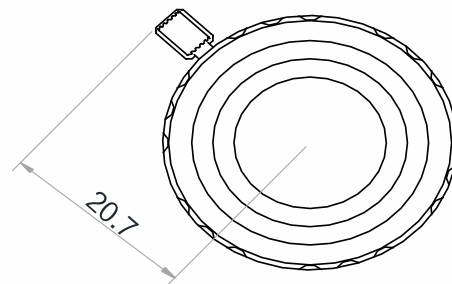
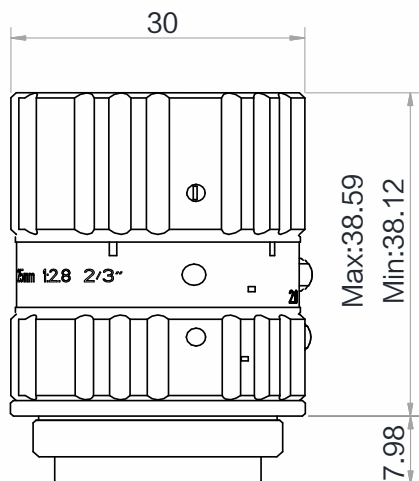
Model		MVL-MF2528M-8MP	
Parameter		Fixed focal length, Manual iris, 8MP, FA Lens	
Focal Length		25mm	Mount C-Mount
F-Number		F2.8~F16	Flange Back Length 17.526mm
Image Size		Φ11mm(2/3")	Filter Thread M27×0.5
Optical Distortion		-0.10%	M.O.D 0.1m
Control	Iris	Manual Operation	Dimension Φ30×38.12mm
	Focus	Manual Operation	
Operating Temperature		-10~50°C	Weight 60.8g
Field of View		D (11.1mm)	23.06°
		H (8.45mm)	17.79°
		V (7.07mm)	14.93°



Field of View

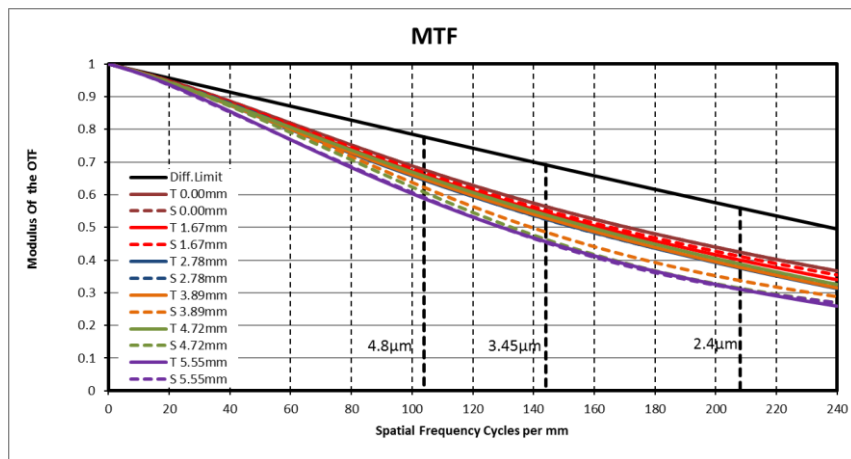
Working Distance (mm)	Magnification	Extension (mm)	Field of View (mm)					
			2/3"		1/1.8"		1/2"	
			(8.45mm×7.07mm)		(7.38mm×4.92mm)		(6.22mm×4.67mm)	
			H	V	H	V	H	V
25	0.914	16.4	9.28	7.76	8.10	5.40	6.82	5.12
50	0.483	5.4	17.55	14.68	15.33	10.21	12.91	9.69
75	0.328	1.5	25.82	21.60	22.54	15.02	19.00	14.26
100	0.246		34.39	28.77	30.03	20.01	25.30	18.99
150	0.162		52.36	43.80	45.72	30.47	38.53	28.92
200	0.121		69.87	58.45	61.01	40.66	51.41	38.59
250	0.097		87.20	72.95	76.15	50.75	64.17	48.17
300	0.081		104.46	87.38	91.22	60.80	76.87	57.70
350	0.070		121.66	101.77	106.24	70.81	89.53	67.21
400	0.061		138.82	116.14	121.23	80.80	102.16	76.70
450	0.054		155.98	130.49	136.22	90.79	114.79	86.18
500	0.049		173.11	144.82	151.18	100.76	127.40	95.64
550	0.045		190.24	159.16	166.14	110.74	140.01	105.11
600	0.041		207.35	173.47	181.08	120.70	152.61	114.57
650	0.038		224.47	187.80	196.03	130.67	165.21	124.03
700	0.035		241.56	202.10	210.97	140.62	177.79	133.48
800	0.031		275.77	230.72	240.84	160.54	202.97	152.38
900	0.027		309.96	259.33	270.71	180.45	228.14	171.28
1000	0.025		344.14	287.93	300.56	200.35	253.31	190.17

Dimension

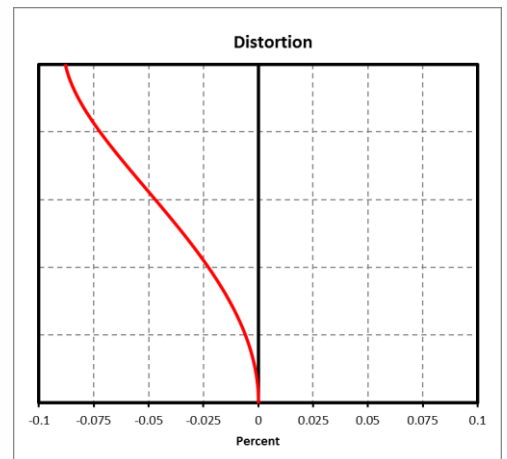


Unit:mm

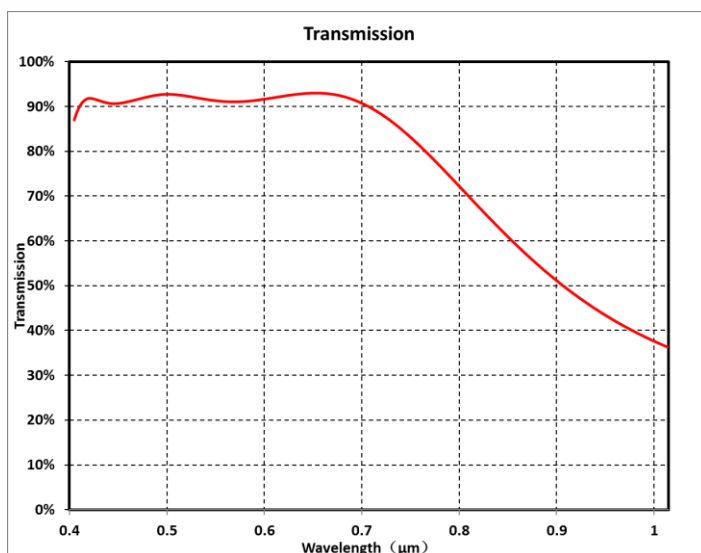
MTF



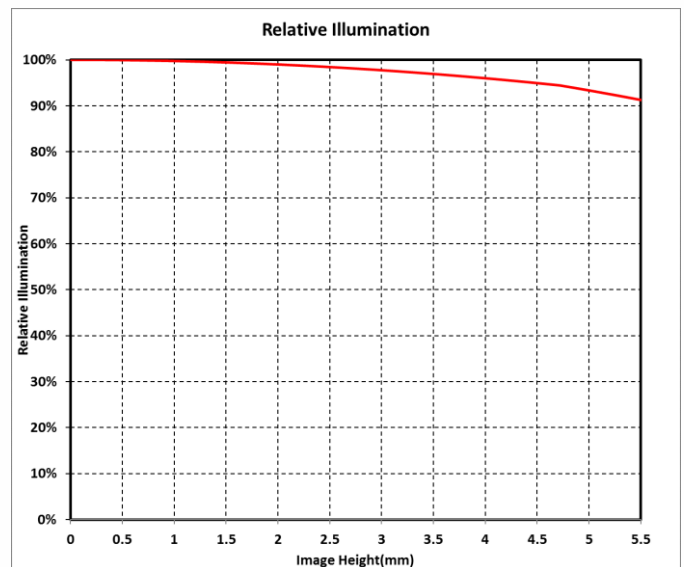
Distortion



Transmission



Relative Illumination



Note: The above curves are the simulate results based on F2.8, $\beta=-0.081$, WD=300 mm.

HIKROBOT

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