

MVL-MF3528M-8MP

2/3" 35mm 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-MF3528M-8MP

Specification

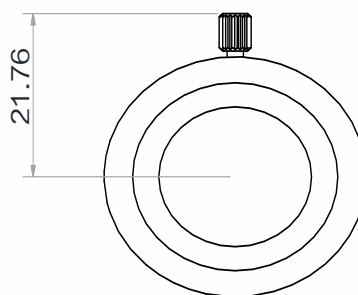
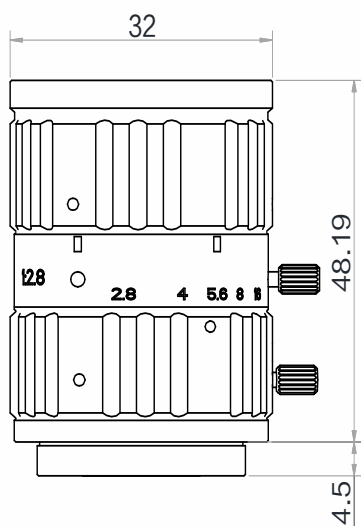
Model		MVL-MF3528M-8MP	
Parameter		Fixed focal length, Manual iris, 8MP, FA Lens	
Focal Length		35mm	C-Mount
F-Number		F2.8~F16	17.526mm
Image Size		Φ11mm(2/3")	M30.5×0.5
Optical Distortion		0.08%	0.15m
Control	Iris	Manual Operation	Dimension
	Focus	Manual Operation	
Operating Temperature		-10~50°C	84.3g
Field of View		D (11.1mm)	15.15°
		H (8.45mm)	11.67°
		V (7.07mm)	9.77°



Field of View

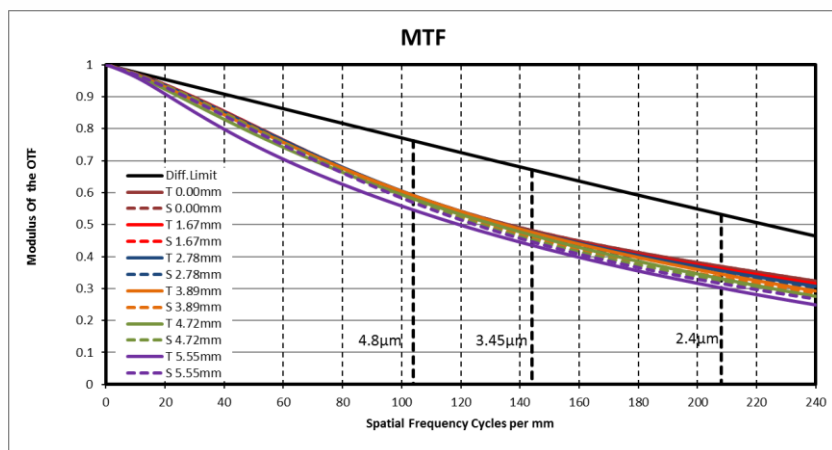
Working Distance (mm)	Magnification	Extension (mm)	Field of View (mm)					
			2/3"		1/1.8"		1/2"	
			(8.45mm×7.07mm)		(7.38mm×4.92mm)		(6.22mm×4.67mm)	
			H	V	H	V	H	V
50	1.166	26.8	7.26	6.07	6.34	4.23	5.34	4.01
75	0.627	11.4	13.51	11.30	11.80	7.87	9.94	7.47
100	0.428	4.7	19.78	16.55	17.28	11.52	14.56	10.93
150	0.262		32.32	27.04	28.23	18.82	23.79	17.87
200	0.190		44.57	37.29	38.93	25.96	32.81	24.64
250	0.150		56.57	47.34	49.91	32.95	41.65	31.27
300	0.124		68.45	57.28	59.79	39.87	50.40	37.84
350	0.105		80.28	67.18	70.12	46.76	59.10	44.38
400	0.092		92.06	77.04	80.41	53.62	67.78	50.90
450	0.082		103.83	86.88	90.69	60.47	76.44	57.40
500	0.073		115.57	96.71	100.95	67.31	85.09	63.89
550	0.066		127.31	106.53	111.20	74.15	93.73	70.38
600	0.061		139.03	116.34	121.44	80.98	102.36	76.86
650	0.056		150.75	126.15	131.67	87.80	110.99	83.34
700	0.052		162.46	135.95	141.91	94.62	119.61	89.82
750	0.049		174.14	145.75	152.13	101.44	128.23	96.29
800	0.046		185.87	155.54	162.35	108.26	136.85	102.76
900	0.040		209.27	175.12	182.79	121.89	154.08	115.70
1000	0.036		232.66	194.69	203.22	135.51	171.30	128.63

Dimension

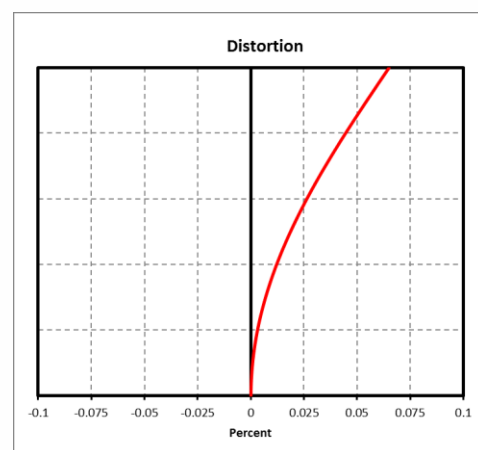


Unit:mm

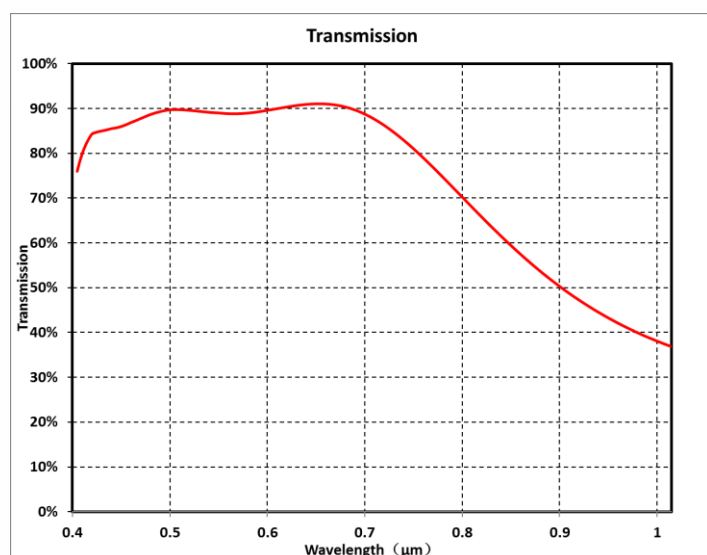
MTF



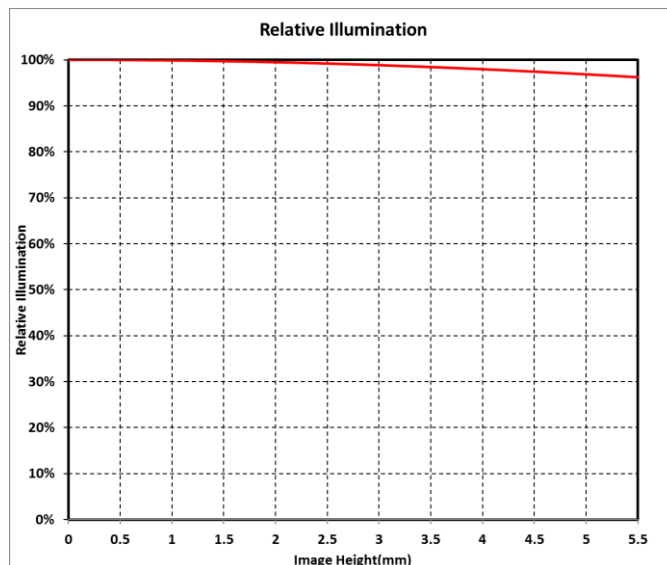
Distortion



Transmission



Relative Illumination



Note: The above curves are the simulate results based on F2.8, $\beta=-0.124$, WD=300 mm.

HIKROBOT

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