

MVL-HF0628M-6MP

1/1.8" 6mm 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-HF0628M-6MP

Specification

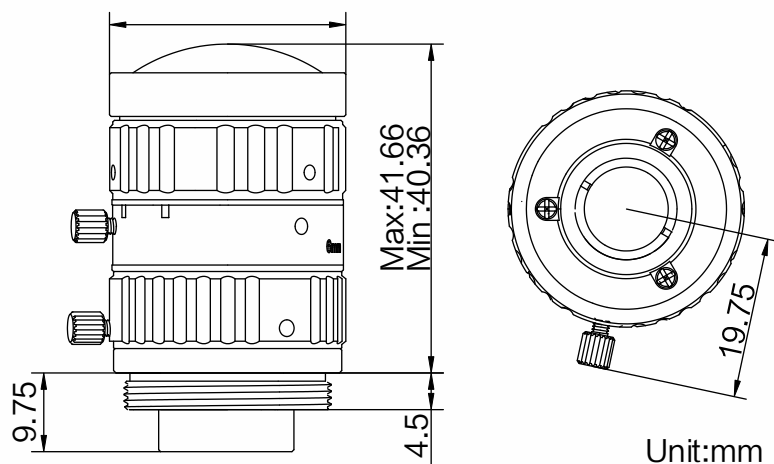
Model		MVL-HF0628M-6MP	
Parameter		Fixed focal length, Manual iris, 6MP, FA Lens	
Focal Length		6mm	Mount C-Mount
F-Number		F2.8~F16	Flange Back Length 17.526mm
Image Size		Φ9mm(1/1.8")	Filter Thread /
Optical Distortion		-1.50%	Minimum Operation Distance 0.05m
Control	Iris	Manual	Dimension Φ29×40.36mm
	Focus	Manual	
Operating Temperature		-10~50°C	Weight 73g
Angle of View		D (8.96mm)	73.5°
		H (7.37mm)	62.8°
		V (4.92mm)	44.5°



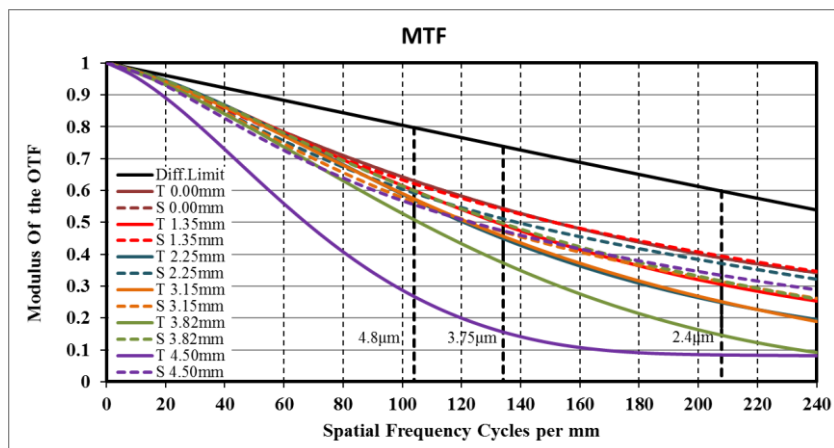
Field of View

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	-0.150	1	51.52	33.58	42.94	31.81
50	-0.089		85.86	56.30	71.79	53.36
75	-0.065		116.57	76.75	97.67	72.76
100	-0.051		147.31	97.20	123.57	92.16
150	-0.036		208.81	138.11	175.39	130.98
200	-0.028		270.33	179.03	227.22	169.80
250	-0.022		331.85	219.95	279.5	208.62
300	-0.019		393.38	260.87	330.88	247.45
350	-0.016		454.91	301.79	382.71	286.27
400	-0.015		516.44	342.71	434.55	325.09
450	-0.013		577.97	383.63	486.38	363.92
500	-0.012		639.51	424.55	538.22	402.73
550	-0.011		701.04	465.47	590.05	441.56
600	-0.010		762.57	506.40	641.89	480.39
650	-0.009		824.11	547.32	693.72	519.21
700	-0.008		885.64	588.24	745.56	558.03
800	-0.007		1008.71	670.08	849.23	635.68
1000	-0.006		1254.86	833.77	1056.58	790.98

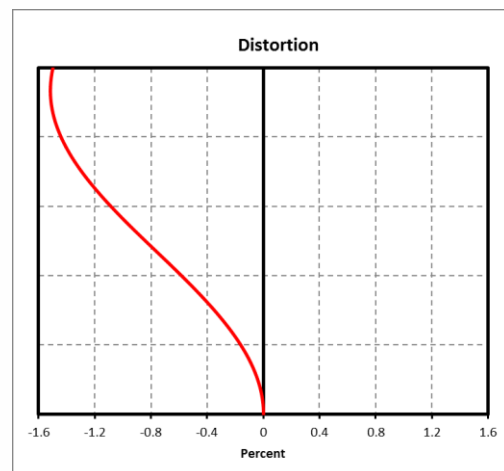
Dimension



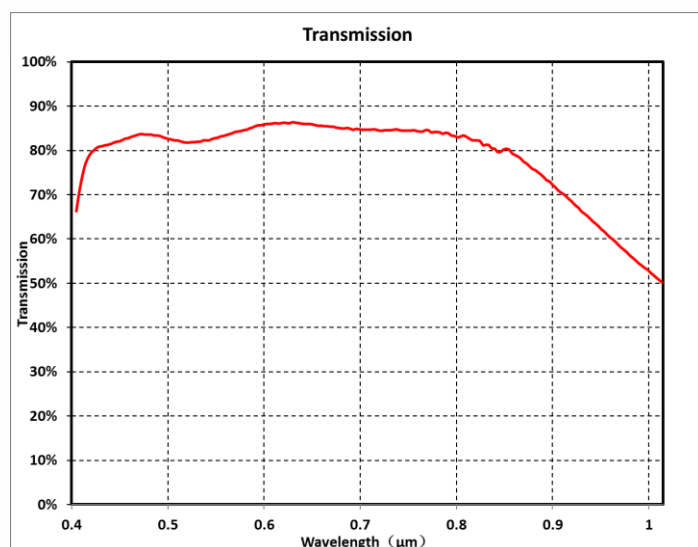
MTF



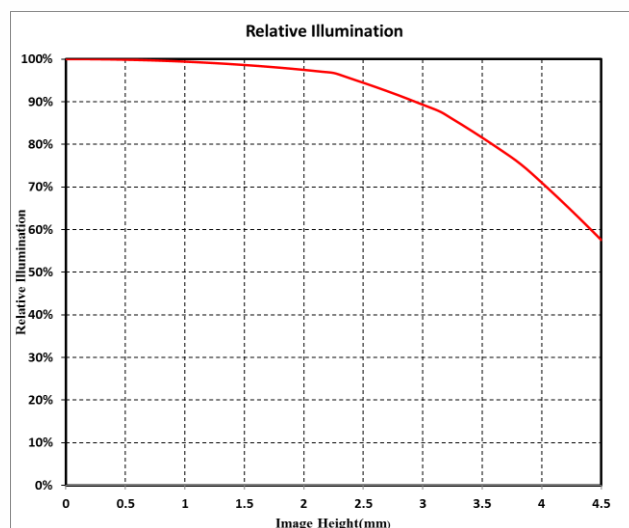
Distortion



Transmission



Relative Illumination



Note: The above curves are the simulate results based on F2.8, $\beta=-0.019$, WD=300 mm.

HIKROBOT

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