

**MVL-HF3528M-6MP**  
**1/1.8" 35mm 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-HF3528M-6MP

**Specification**

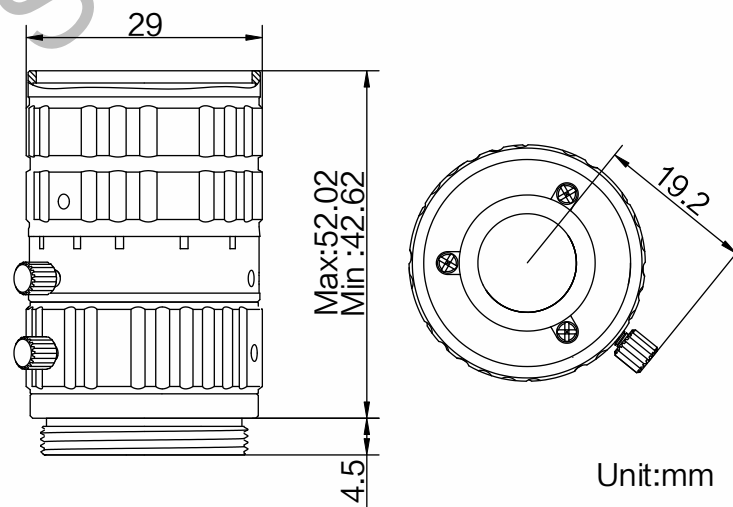
Model		MVL-HF3528M-6MP		
Parameter		Fixed focal length, Manual iris, 6MP, FA Lens		
Focal Length		35mm	Mount	C-Mount
F-Number		F2.8~F16	Flange Back Length	17.526mm
Image Size		Φ9mm(1/1.8")	Filter Thread	M27*0.5
Optical Distortion		-0.02%	Minimum Operation Distance	0.2m
Control	Iris	Manual	Dimension	Φ29×42.62mm
	Focus	Manual		
Operating Temperature		-10~50°C	Weight	67g
Angle of View		1/1.8"	D (8.96mm)	13.8°
			H (7.37mm)	11.3°
			V (4.92mm)	7.6°



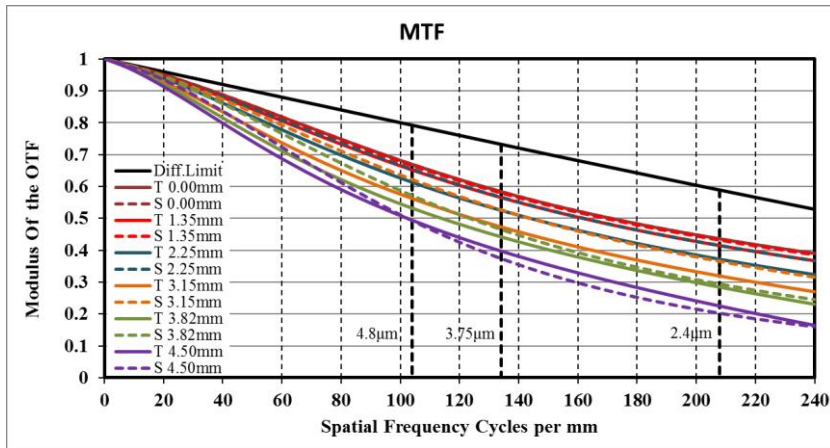
## Field of View

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	-1.261	39	5.87	3.91	4.95	3.71
50	-0.668	18	11.09	7.39	9.34	7.01
75	-0.456	10	16.22	10.80	13.67	10.25
100	-0.346	6	21.37	14.24	18.00	13.51
150	-0.233	2	31.70	21.13	26.71	20.05
200	-0.176		42.04	28.02	35.43	26.60
250	-0.140		52.94	35.29	44.62	33.49
300	-0.116		63.84	42.55	53.80	40.39
350	-0.099		74.73	49.82	62.98	47.28
400	-0.086		85.62	57.08	72.16	54.18
450	-0.077		96.51	64.33	81.34	61.06
500	-0.069		107.39	71.59	90.51	67.95
550	-0.062		118.26	78.84	99.67	74.83
600	-0.057		129.13	86.09	108.83	81.71
650	-0.053		139.99	93.33	117.99	88.59
700	-0.049		150.85	100.57	127.14	95.46
750	-0.046		161.70	107.80	136.28	102.32
800	-0.043		172.54	115.03	145.42	109.19
850	-0.040		183.37	122.25	154.55	116.04
900	-0.038		194.19	129.47	163.67	122.89
950	-0.036		205.00	136.68	172.79	129.74
1000	-0.034		215.80	143.88	181.89	136.57

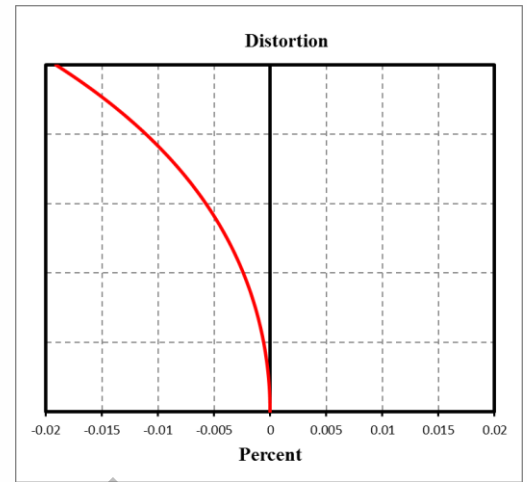
## Dimension



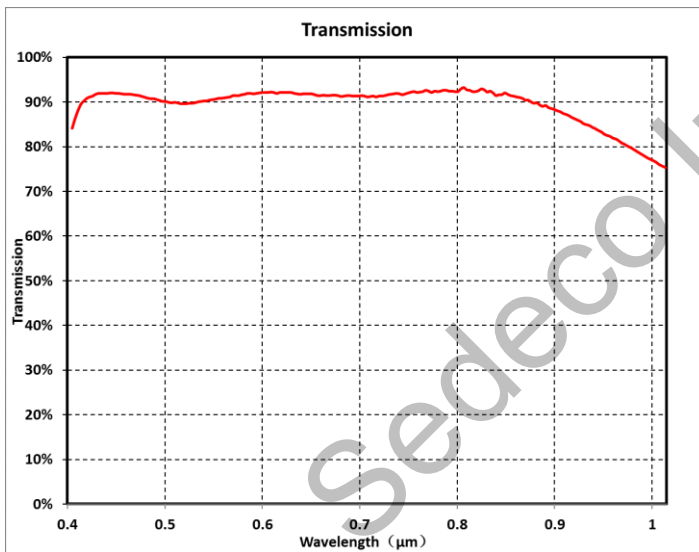
## MTF



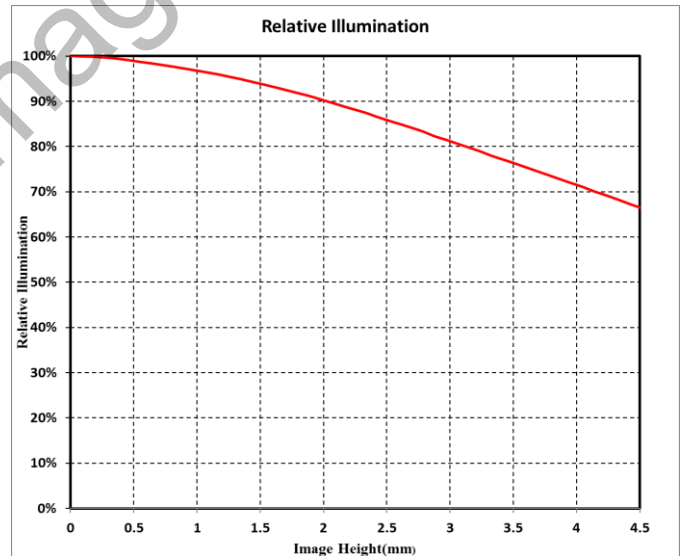
## Distortion



## Transmission



## Relative Illumination



Note: The above curves are the simulate results based on F2.8,  $\beta=-0.069$ , WD=500 mm.

# HIKROBOT

Hangzhou Hikrobot Technology Co., Ltd.  
No.399 Danfeng Road, Binjiang District, Hangzhou 310051, China.  
en.hikrobotics.com

# SEDECO

IMAGING

Germany, Austria, Switzerland  
Sedeco Imaging GmbH  
Unterer Dammweg 12  
76149 Karlsruhe  
Germany  
T. +49 721 5604 7980  
info@sedeco-imaging.com

BeNeLux  
Sedeco Imaging B.V.  
Trasmolenlaan 12  
3447 GZ Woerden  
the Netherlands  
T. +31 348 749110  
info@sedeco-imaging.nl

[www.sedeco-imaging.com](http://www.sedeco-imaging.com)

Copyright Hikrobot

Hangzhou Hikrobot Technology Co., Ltd. All Rights Reserved. Hangzhou Hikrobot Technology does not tolerate any infringement. Any organization or individual may not imitate or reproduce in whole or in part of the content. The data herein is based on Hikrobot's internal evaluation. Actual data may vary depending on specific configuration and operating condition. The information herein is subject to change without notice All the content has been checked conscientiously. Nevertheless, Hikrobot shall not be liable to damages resulting from errors, inconsistencies or omissions.