

## FA and Machine Vision Lenses News from TAMRON

NEW RELEASE

## Fixed-Focal Lenses for Machine Vision use: Full 6-Mega-pixel Resolution for 1/1.7" Imagers in a Compact Size of $\phi$ 29mm

■ 1/1.7" 6 mm F/2.4 (Model : M117FM06)
 ■ 1/1.7" 8mm F/2.4 (Model : M117FM08)
 ■ 1/1.7" 12mm F/2.4 (Model : M117FM12)
 ■ 1/1.7" 16mm F/2.4 (Model : M117FM16)
 ■ 1/1.7" 25mm F/2.4 (Model : M117FM25)
 ■ 1/1.7" 35mm F/2.4 (Model : M117FM35)
 ■ 1/1.7" 50mm F/2.8 (Model : M117FM50)





Model		M117FM06	M117FM08	M117FM12	M117FM16	
Imager Size		1/1.7"				
Mount Type		С				
Focal Length		6mm	8mm	12mm	16mm	
Aperture Range		F/2.4 ~ F/16				
Field of View Angle (H × V)	1/1.7"	65.0°×50.5°	52.2°×39.5°	34.3°×25.9°	26.1°×19.7°	
	1/1.8"	64.2°×44.9°	50.9°×35.1°	33.7°×22.9°	25.7°×17.4°	
Focusing Range		0.1m ~ ∞				
Operation	Focus	Manual w/Lock				
	Iris	Manual w/Lock				
Filter Size		M34 P=0.5mm	M30.5 P=0.5mm	M27 P=0.5mm		
Wave Length		Visible Light				
TV Distortion		-1.02%*	-0.85%*	-0.42%*	-0.1%*	
Weight		50g	48g	40g	40g	
Operating Temperature		-20°C ~ +60°C				

Model		M117FM25	M117FM35	M117FM50		
Imager Size		1/1.7"				
Mount Type		С				
Focal Length		25mm	35mm	50mm		
Aperture Range		F/2.4 ~F/16		F/2.8 ~F/16		
Field of View Angle (H × V)	1/1.7"	17.4°×13.1°	12.6°×9.5°	8.9°×6.7°		
	1/1.8"	17.1°×11.5°	12.4°×8.4°	8.7°×5.9°		
Focusing Range		0.1m	0.2m ~ ∞			
Operation	Focus	Manual w/Lock				
	Iris	Manual w/Lock				
Filter Size		M27 P=0.5mm				
Wave Length		Visible Light				
TV Distortion		-0.1%*	-0.06%*	-0.01%*		
Weight		45g	65g	60g		
Operating Tempera	ture	-20°C ~ +60°C				

\* Design Value

## TAMRON CO., LTD. http://www.tamron.biz/en/ 1385, Hasunuma, Minuma-ku, Saitama-shi, Saitama 337-8556 JAPAN Tel: +81-48-684-9129 Fax: +81-48-683-8594

TAMRON USA, INC. http://www.tamron-usa.com 10 Austin Boulevard, Commack, NY 11725, USA Tel: +1-631-858-8400 Fax: +1-631-543-3963

 TAMRON Europe GmbH. http://www.tamron.de

 Robert Bosch-Str. 9, 50769 Cologne, GERMANY Tel: +49-221-669544-0

 TAMRON INDUSTRIES (HONG KONG) LIMITED http://www.tamron.com.hk

 Unit 908, 9/F, Elite Centre, 22 Hung To Road, Kwun Tong, Kowloon, Hong Kong Tel: +852-2721-7797 Fax: +852-2620-1631

TAMRON (Russia) LLC. http://www.tamron.ru Unikon Business Center SF No. 9, Plekhanova Street 4a, Moscow, 111123, Russian Federation Tel: +7-495-970-0112 Fax: +7-495-970-0112

## TAMRON INDIA PRIVATE LIMITED http://www.tamron.in 805, 806 & 807 8th floor, Vatika City Point, MG Road, Gurgaon-122001, Hayana, India Tel: +91-124-41-168-12 Fax: +91-124-40-822-72



Management on Quality and Environment : Tamron is certified with international standards: ISO 9001 for quality and ISO14001 for environmental management at its headquarters, domestic sales offices, China plant as well as production facilities in Aomori, Japan, and is fully committed to striving for continued and sustainable improvement at all levels and facets of its business operations.