

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 ϕ 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

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