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TAMRON

FA and Machine Vision Lenses News from TAMRON

NEW RELEASE

Fixed-Focal Lenses for Machine Vision Use: Full 5-Mega-Pixel Resolution for 1/1.2" and 2/3" Imagers In a Compact Size of ϕ 29mm

- 1/1.2" 6mm F/2.8 (Model: M112FM06) 1/1.2" 8mm F/2.4 (Model: M112FM08)
- 1/1.2" 12mm F/2.0 (Model: M112FM12) 1/1.2" 16mm F/2.0 (Model: M112FM16)
- 1/1.2" 25mm F/1.8 (Model: M112FM25) 1/1.2" 35mm F/2.1 (Model: M112FM35)
- 1/1.2" 50mm F/2.8 (Model: M112FM50) 1/1.2" 75mm F/3.5 (Model: M112FM75)



For

IMX264 5-Mega

For

5.86μm **3.45**μm

Main Features

Unrivalled High-Contrast and High-Resolution in the Industry

- O Compatible with both 5.86μm pixel-pitch 1/1.2" imagers and 3.45μm pixel-pitch 2/3" imagers Equivalent resolution of full 5-mega-pixels
- O Industry-leading resolution and contrast in φ29mm machine-vision lenses. (*φ29mm: Excluding the objective-end of the lens)
- First-class performance in all different focal lengths of the models.

Advanced Coating Technology and State-of-the-Art Optical Design

 Both state-of-the-art optics and advanced coating technologies assure distinguished optical performance, particularly in contrast and resolution, and superb optical transmittance for crisp and clear images.

High-Quality Imaging at Close-Shooting Distances

O Lenses assure high-quality imaging at close-shooting distances often used.

Other Features

- O Critical performance in resolution is thoroughly examined from the center to the periphery of images, assuring high-contrast and high-resolution without unbalanced blurring.
- Rotational torque is increased to improve maneuverability for focusing and iris adjustment. Lock-screw positions are now selectable from four locations, assisting easier installation for users.
- O An embedding-type setscrew is included as a standard accessory, making the lens barrel free of a screw-head to enable installation in a compact space.





Model			M112FM06	M112FM08	M112FM12	M112FM16		
			NEW		100 m	No. of the last of		
Imager Size			1/1.2"					
Mount Type			С					
Focal Length			6mm	8mm	12mm	16mm		
Aperture Range			F/2.8 ~ 16	F/2.4 ~16	F/2.0 ~16			
Field of View Angle (H × V)	1/1.2"	(4:3)	87.7°×70.1°	70.3°×54.9°	49.2°×37.6°	37.4°×28.4°		
		(16:9)	93.1°×59.0°	75.3°×45.6°	53.2°×30.6°	40.5°×22.3°		
	2/3"	(4:3)	75.5°×59.2°	59.5°×45.8°	40.9°×31.1°	31.0°×23.4°		
		(16:9)	80.8°×49.3°	64.0°×37.8°	44.4°×25.5°	33.7°×19.2°		
Focusing Range			0.1m ~ ∞					
Operation Focus		Manual w/lock						
Iris			Manual w/lock					
Filter Size			M58 P=0.75mm	M35.5 P=0.5mm	M27 P=0.5mm			
Wave Length			Visible Light					

Model			M112FM25	M112FM35	M112FM50	M112FM75		
						1 to 100		
Imager Size			1/1.2"					
Mount Type			С					
Focal Length			25mm	35mm	50mm	75mm		
Aperture Range			F/1.8 ~ 16	F/2.1 ~16	F/2.8 ~16	F/3.5 ~16		
Field of View Angle (H × V)	1/1.2"	(4:3)	24.1°×18.2°	17.3°×13.1°	12.2°×9.2°	8.1°×6.1°		
		(16:9)	26.2°×15.0°	18.8°×10.7°	13.2°×7.5°	8.9°×5.0°		
	2/3"	(4:3)	19.9°×15.0°	14.3°×10.7°	10.0°×7.5°	6.7°×5.0°		
		(16:9)	21.7°×12.3°	15.5°×8.8°	10.9°×6.16°	7.3°×4.1°		
Focusing Range			0.1m ~ ∞	0.2m ~ ∞	0.3m ~ ∞	0.7m ~ ∞		
Operation Focus Iris			Manual w/lock					
			Manual w/lock					
Filter Size			M27 P=0.5mm					
Wave Length			Visible Light					

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Management on Quality and Environment:

Tamron is certified with international standards: ISO 9001 for quality and ISO 14001 for environmental management at its headquarters, domestic sales offices, China plant as well as three 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.

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