

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 12mm F/2.0 (Model: M112FM12) ■ 1/1.2 16mm F/2.0 (Model: M112FM16)
- 1/1.2 25mm F/1.8 (Model: M112FM25)

NEW



For

IMX174 1/1.2
2-Mega

IMX249 1/1.2
2-Mega

IMX250 2/3
5-Mega

IMX264 2/3
5-Mega

For

5.86 μ m **3.45 μ m**

Main Features

> Unrivalled High Contrast and High Resolution in the Industry

- Compatible with both 5.86 μ m pixel-pitch 1/1.2" imagers and 3.45 μ m pixel-pitch 2/3" imagers
Equivalent resolution of full 5-mega-pixels
- Industry-leading resolution and contrast in ϕ 29mm machine-vision lenses.
- 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

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

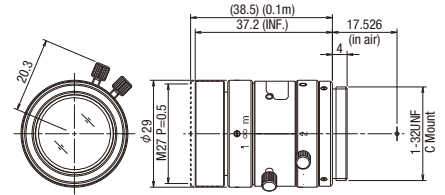
> Other Features

- 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.
- A metal barrel is employed to improve durability and robustness against vibration, giving a cool and rugged exterior look.
- 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.

M112FM12



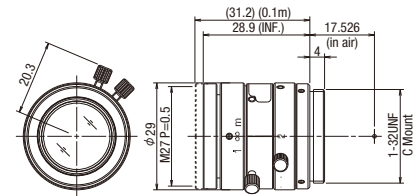
Imager Size	1/1.2	Operation	Focus	Manual w/lock
Mount type	C		Iris	Manual w/lock
Focal Length	12mm	Filter Size	M27 P=0.5mm	
Aperture Range	F/2.0 ~ 16	Wave Length	Visible Light	
Focus Range	0.1m ~ ∞	TV Distortion	-0.97%	
Field of View Angle (H × V)	1/1.2	(4:3)	Weight	64g
		(16:9)	Operating Temperature	-20°C ~ +60°C
	2/3	(4:3)		
		(16:9)		



M112FM16



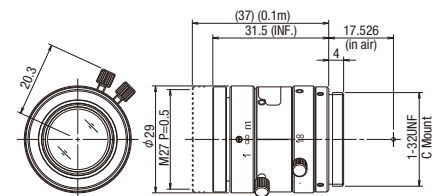
Imager Size	1/1.2	Operation	Focus	Manual w/lock
Mount type	C		Iris	Manual w/lock
Focal Length	16mm	Filter Size	M27 P=0.5mm	
Aperture Range	F/2.0 ~ 16	Wave Length	Visible Light	
Focus Range	0.1m ~ ∞	TV Distortion	-0.56%	
Field of View Angle (H × V)	1/1.2	(4:3)	Weight	51g
		(16:9)	Operating Temperature	-20°C ~ +60°C
	2/3	(4:3)		
		(16:9)		



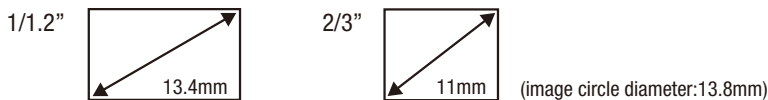
M112FM25



Imager Size	1/1.2	Operation	Focus	Manual w/lock
Mount type	C		Iris	Manual w/lock
Focal Length	25mm	Filter Size	M27 P=0.5mm	
Aperture Range	F/1.8 ~ 16	Wave Length	Visible Light	
Focus Range	0.1m ~ ∞	TV Distortion	-0.09%	
Field of View Angle (H × V)	1/1.2	(4:3)	Weight	54g
		(16:9)	Operating Temperature	-20°C ~ +60°C
	2/3	(4:3)		
		(16:9)		



Imager Size Examples



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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.