

# TAMRON

## IP/CCTV LENS 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 $\phi$ 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)



#### 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 \$\phi29\text{mm machine-vision lenses.}
- First-class performance in all different focal lengths of the models.

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

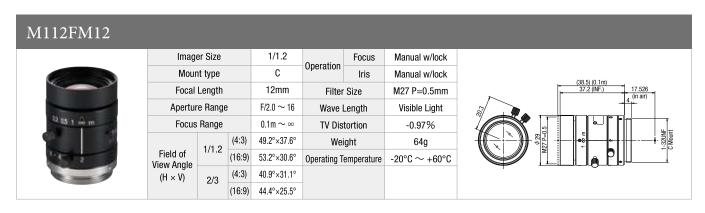
- O Both state-of-the-art optics and advanced coating technologies assure distinguished optical performance, particularly in contrast and resolution, and superb optical transmittance for crisp and clear images.
- High-Quality Imaging at Close-Shooting Distances
  - O Lenses assure high-quality imaging in close-shooting distances often used.

#### Other Features

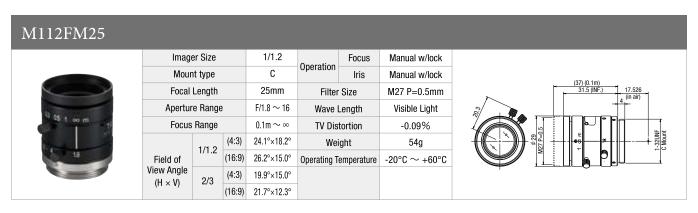
- Critical performance in resolution is thoroughly examined from the center to the periphery of images, assuring high-contrast and high-resolution without unbalanced blurring.
- Rotational torque is increased to improve maneuverability for focusing and iris adjustment.
  Lock-screw positions are now 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.

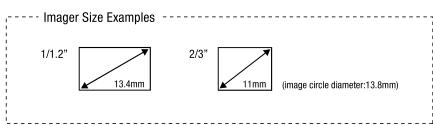


# **TAMRON**



[112FM16								
10 1 to m	Imager Size			1/1.2	Operation	Focus	Manual w/lock	(31.0) (0.1m)
	Mount type			С		Iris	Manual w/lock	
	Focal Length			16mm	Filter Size		M27 P=0.5mm	(31.2) (0.1 m) 28.9 (NF.) 4 (in air)
	Apertur	Aperture Range			Wave Length		Visible Light	
	Focus Range			0.1m ~ ∞	TV Distortion		-0.56%	
	Field of View Angle (H × V)	1/1.2	(4:3)	37.4°×28.4°	Weight Operating Temperature		51g	#W27P=0.5
			(16:9)	40.5°×22.3°			-20°C ∼ +60°C	
		2/3	(4:3)	31.0°×23.4°				3-2-
			(16:9)	33.7°×19.2°				





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#### Management on Quality and Environment :

management of udanly and DeVinollment. 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.

Specifications subject to change without notice