

Three Compact $\phi 29\text{mm}$ Machine-Vision Lenses Compatible with $2/3''$ Imagers and 8-Mega Pixel Resolution

- $2/3''$ 8mm F/2.4 (Model: MA23F08V)
- $2/3''$ 25mm F/2.4 (Model: MA23F25V)
- $2/3''$ 35mm F/2.4 (Model: MA23F35V)

NEW



For

2.74 μm

Main Features

> High Resolution and Contrast Unrivaled in the Industry

- Compatible with $2/3''$ imagers, supporting $2.74\mu\text{m}$ pixel-pitch and max 8-mega pixel resolution.
- Offer resolution and contrast outperforming other $\phi 29\text{mm}$ machine-vision lenses.

> Industry-Leading Low Distortion (TV Distortion)

- Significantly reduce TV distortion compared with previous models.
(* MA23F08V: -0.6%, MA23F25V: -0.01%, MA23F35V: 0.04%)

> High-Quality Performance at Close-up distances

- A new comprehensive lens design assures high contrast and resolution at commonly used close-up distances.


> New Robust Mechanism for Anti-Vibration and Anti-Shock

- A newly designed mechanism improves anti-vibration and anti-shock performance compared with previous models, limiting the optical(image) deflection to less than $10\mu\text{m}$ even for the severe impact of vibrations and shocks of max 10G of magnitude.
* Vibration frequency 10-60Hz (amplitude 0.75mm), vibration frequency 60-200Hz (acceleration 100m/s^2), and the number of cycles: 50 cycles.

> A Common-use Setscrew is Attached as a Standard Accessory

- A lock-screw provided with the models can be replaced with any embedding-type setscrew. This further reduces the overall diameter of the lens barrel for more compact installation.

■ Specifications

Model	MA23F08V	MA23F25V	MA23F35V
			
Imager Size	2/3"		
Mount Type	C		
Focal Length	8mm	25mm	35mm
Aperture Range	F/2.4 ~ F/16		
Field of View Angle (Horizontal x Vertical)	2/3" (1:1)	53.1° x 53.1°	16.9° x 16.9°
	2/3" (4:3)	58.9° x 45.5°	18.9° x 14.3°
Focusing Range	0.1m ~ ∞		0.2m ~ ∞
Operation	Focus	Manual w/lock	
	Iris	Manual w/lock	
Filter Size	M34 P=0.5mm	M27 P=0.5mm	
Wave Length	Visible Light		
TV Distortion	-0.6% *	-0.01% *	0.04% *
Weight	84g	55g	58g
Operating Temperature	-20°C ~ +60°C		

* Design Value

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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.

● Specifications subject to change without notice