

1/1.8" Mega-Pixel Fixed-Focal Industrial Lenses

Fixed-Focal Industrial Lens Series



An improved series of ultra-high performance Fixed-Focal Industrial Lenses optimized for 1/1.8" and 1/2" image processing cameras. In addition to the outstanding center performance as a matter of course, the peripheral optical performance has been dramatically improved. Best for FA (Factory Automation) and Machine Vision applications.

/// Reduced Minimum Object Distance

/// Ultra High Resolution

/// Enhanced Performance in Close Focusing

/// Distortion Minimized

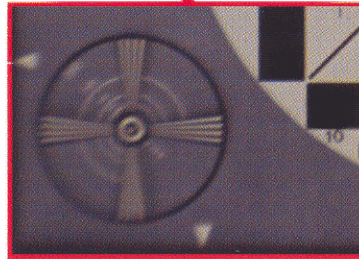
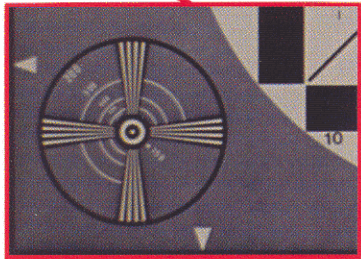
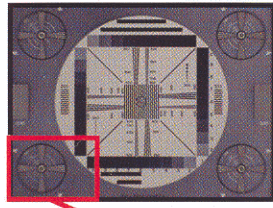
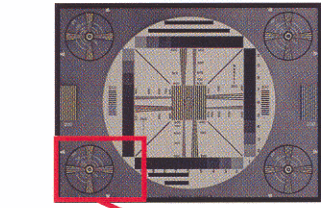
/// Anti-Vibration Construction

/// Compact Design

Resolution enhanced over the entire image field

[Tamron Mega-Pixel Lens]

[Normal Lens]



* EIAJ Test Chart A (H:11mm × W:15mm)

Performance at close distances, the usual condition for FA/Machine Vision applications, is enhanced to a great degree. In order to be compatible with mega-pixel cameras, high optical performance is secured from center all the way to the image corners.

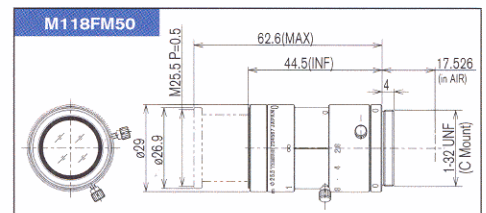
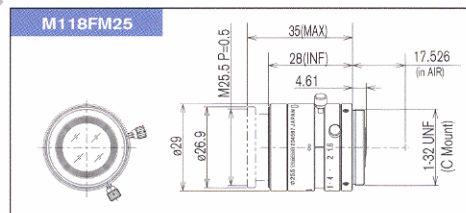
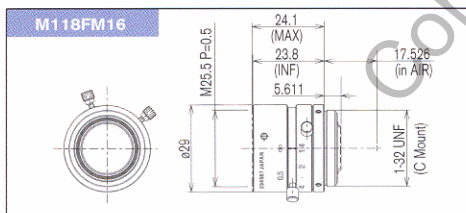
In addition, the close focusing capability, an important factor for FA/Machine Vision lenses, is improved. Compared to a normal lens, the minimum object distance is improved due to a new design. (The closest focusing distance of the 16mm lens is shortened from 0.3 meter to 0.1 meter; the 25mm lens is shortened from 0.25 meter to 0.1 meter; and that of the 50mm lens is reduced from 0.5 meter to 0.2 meter.)

SPECIFICATION

Model		M118FM16	M118FM25	M118FM50
Imager Size		1/1.8	1/1.8	1/1.8
Focal Length		16mm	25mm	50mm
Aperture Range		1.4-16	1.6-16	2.8-22
Mount Type		C	C	C
Angle of View (Horizontal X Vertical)	1/1.8	25.9° × 19.5°	16.6° × 12.5°	8.3° × 6.2°
	1/2	22.8° × 17.1°	14.6° × 11.0°	7.3° × 5.5°
TV Distortion			-0.2% or less	-0.1% or less
Operation	Focus	Manual w/Lock ★	Manual w/Lock ★	Manual w/Lock ★
	Manual	Manual w/Lock ★	Manual w/Lock ★	Manual w/Lock ★
Filter Size		M25.5 P=0.5mm	M25.5 P=0.5mm	M25.5 P=0.5mm
Minimum Object Distance		0.1m	0.1m	0.2m
Weight			39g	52g

★ Lock screw can be set from three different direction.

DIMENSION



Caution : Please read the instruction manual carefully before using the lens.

TAMRON®

Manufacturer of precise and sophisticated optical products
for a broad range of industries.



Quality Assurance Activities: At Tamron, quality management activities are performed in compliance with ISO9001:2000 not only to assure product quality but to enhance customer satisfaction.

Environmental Protection: We recognize the significance of our social responsibilities. Tamron promotes corporate activities that protect the earth's environment through the establishment of a quality assurance system that is compliant with ISO14001.

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Specifications subject to change without notice 2007.6