

High-Resolution 2 Mega-Pixel Fixed-Focal Lens for FA/Machine Vision

■ 1/1.8" 6mm F/1.4 (Model M118FM06) ■ 1/1.8" 12mm F/1.4 (Model M118FM12)



Model	M118FM06	M118FM12	
Imager Size	1/1.8"		
Mount Type	C		
Focal Length	6mm	12mm	
Aperture Range	F/1.4~16		
Field of View Angle (Horizontal × Vertical)	1/1.8"	66.1°~50.8°	34.2°~25.8°
	1/2"	58.9°~44.9°	30.2°~22.7°
	1/3"	44.9°~34.0°	22.7°~17.1°
Focusing Range	0.1m~∞		
Operation	Focus	Manual w/Lock	
	Iris	Manual w/Lock	
Filter Size	M34 P=0.5mm	M25.5 P=0.5mm	
Wave Length	Visible Light		

Main Feature

> Higher Quality in Image Capture at Close Distance Range

- Further improvement in image quality at closer distance range most commonly used.
- MOD of 0.1m remains unchanged.

> Sophisticated Optical Design to Boost High Image Quality

- Maximizing performance of 2MP FA/Machine Vision cameras.
- Distinguished uniformity in resolution and contrast from center to corner due to the latest optical design technology.
- Compact form factor.

> Easier Installation

- Three positions provided for the locking screw locations (focus and iris respectively) for ease of installation.

> High-Precision, High-Quality Mechanical Construction

- Designated optical design performance ensured with high-precision components manufactured with advanced process technology.
- Robust construction employed for the core structural barrel components and lens fixing mechanism to maintain performance even in environments with persistent vibration.

⚠ Caution : Please read the instruction manual carefully before using the camera.

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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.

Full Line up of 1/1.8" Mega-pixel Lens

Model		M118FM06	M118FM08	M118FM12
				
Imager Size		1/1.8"		
Mount Type		C		
Focal Length		6mm	8mm	12mm
Aperture Range		F/1.4 ~ 16		
Field of View Angle (Horizontal x Vertical)	1/1.8"	66.1°~ 50.8°	50.8°~ 38.6°	34.2°~ 25.8
	1/2"	58.9°~ 44.9°	45.0°~ 34.0°	30.2°~ 22.7
	1/3"	44.9°~ 34.0°	34.0°~ 25.6°	22.7°~ 17.1°
Focusing Range		0.1m ~∞		
Operation	Iris	Manual w/Lock		
	Focus	Manual w/Lock		
Filter Size		M34 P=0.5mm	M25.5 P=0.5mm	M25.5 P=0.5mm
Wave Length		Visible Light		

Model		M118FM16	M118FM25	M118FM50
				
Imager Size		1/1.8"		
Mount Type		C		
Focal Length		16mm	25mm	50mm
Aperture Range		F/1.4 ~ 16	F/1.6 ~ 16	F/2.8 ~ 22
Field of View Angle (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°
	1/3"	17.1°~ 12.9°	11.0°~ 8.2°	5.5°~ 4.1°
Focusing Range		0.1m ~∞		0.2m ~∞
Operation	Iris	Manual w/Lock		
	Focus	Manual w/Lock		
Filter Size		M25.5 P=0.5mm	M25.5 P=0.5mm	M25.5 P=0.5mm
Wave Length		Visible Light		