

### A New 5-Mega-Pixel NIR (Near-IR) Vari-Focal Lens 1/1.8" 12-50mm F/1.4 (Model: M118VG1250IR)



Model		M118VG1250IR	
Imager Size		1/1.8"	
Mount Type		CS	
Focal Length		12 ~ 50mm	
Aperture Range		F/1.4 ~ F/360	
Field of View Angle (Horizontal × Vertical)	1/1.8"	Wide	34.0° × 25.5°
		Tele	8.5° × 6.4°
	1/2"	Wide	29.9° × 22.4°
		Tele	7.5° × 5.6°
	1/3"	Wide	22.4° × 16.8°
		Tele	5.6° × 4.2°
Focusing Range		1.0m ~ ∞	
Operation	Focus	Manual w/lock	
	Zoom	Manual w/lock	
	Iris	DC Auto IRIS	
Wave Length		Visible Light ~ Near Infrared	

#### Key Features

- > NIR Lens Covering Focal Lengths Most Universally Utilized in Telephoto Applications**
  - The new lens delivers high-quality images throughout the most commonly used focal length range of 12-50mm.
  - Expanding the spectrum coverage to NIR region, the lens enhances and assures high-precision and high-efficiency day-and-night surveillance.
- > High-Quality NIR Imaging**
  - Tamron's proprietary optical design with an optimal choice of glass materials backed by high-precision process technology brings an ideal balance in performance to cost.
  - An ideal lens for day-and-night mega-pixel surveillance with chromatic aberrations well compensated for delivers improved performance in the NIR bandwidth.
- > Discrete Optical Design Considering Low-Light Conditions**
  - The image circle diameter is expanded to permit compatibility with 1/1.8" imagers widely adopted in the security / surveillance market.
  - A fast aperture of F/1.4 is achieved by a new optical design, while the minimum aperture stops down to F/360.
- > Substantial Reduction of Flare and Ghosting**
  - Tamron's proprietary multi-coating technology is employed to thoroughly reducing flare and ghosting.
  - The performance of the new lens has gone through extensive validation processes using state-of-the-art simulation, disturbing flare and ghosting are attenuated to the minimum.
- > Pursuit of High Utility and High Reliability**
  - Large rotation angle for faster and easier focusing.
  - Slip-mount mechanism for faster and easier camera / lens installation and assembly.
  - Highly-reliable auto iris mechanism.

**TAMRON CO., LTD.** <http://www.tamron.biz/en/>  
1385, Hasunuma, Minuma-ku, Saitama-shi, Saitama 337-8556 JAPAN  
Tel: +81-48-684-9129 Fax: +81-48-683-8594

**TAMRON USA, INC.** <http://www.tamron-usa.com>  
10 Austin Boulevard, Commack, NY 11725, USA Tel: +1-631-858-8400 Fax: +1-631-543-3963

**TAMRON Europe GmbH.** <http://www.tamron.de>  
Robert Bosch-Str. 9, 50769 Cologne, GERMANY Tel: +49-221-970325-0 Fax: +49-221-970325-4

**TAMRON INDUSTRIES (HONG KONG) LIMITED** <http://www.tamron.com.hk>  
Unit 908, 9/F, Elite Centre, 22 Hung To Road, Kwun Tong, Kowloon, Hong Kong Tel: +852-2721-7797 Fax: +852-2620-1631

**TAMRON (Russia) LLC.** <http://www.tamron.ru>  
Unikon Business Center 5F No. 9, Plekhanova Street 4a, Moscow, 11123, Russian Federation  
Tel: +7-495-970-0112 Fax: +7-495-970-0112

**TAMRON INDIA PRIVATE LIMITED** <http://www.tamron.in>  
801, 8th Floor, Time Tower, M.G Road, Sector-28, Gurgaon-122002, Haryana, India  
Tel: +91-124-41-168-12 Fax: +91-124-40-822-72



#### 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.