

## IP/CCTV LENS NEWS from TAMRON

### A New 5-Mega-Pixel NIR (Near-IR) Vari-Focal Lens 1/1.8" 12-50mm F/1.4 (Model: M118VG1250IR / M118VP1250IR)



Model			M118VG1250IR	M118VP1250IR
Imager Size			1/1.8"	
Mount Type			CS	
Focal Length			12 ~ 50mm	
Aperture Range			F/1.4 ~ F/360	F/1.4 ~ Close
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	P-Iris (Stepping motor switching control)
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.
- **Substantial Reduction of Flare and Ghosting**
  - Tamron's proprietary multi-coating technology is employed to thoroughly reduce 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.

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#### Management on Quality and Environment :

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