

## 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)

4K Ready



<b>Model</b>		<b>M118VG1250IR</b>	
<b>Imager Size</b>		1/1.8"	
<b>Mount Type</b>		CS	
<b>Focal Length</b>		12 ~ 50mm	
<b>Aperture Range</b>		F/1.4 ~ F/360	
<b>Field of View Angle (Horizontal × Vertical)</b>	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°
<b>Focusing Range</b>		1.0m ~ ∞	
<b>Operation</b>	<b>Focus</b>	Manual w/lock	
	<b>Zoom</b>	Manual w/lock	
	<b>Iris</b>	DC Auto IRIS	
<b>Wave Length</b>		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.

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