InfraRed Lenses

The line-up of 16 models in 8 different optical designs meets the needs of virtually all applications.

- Compatible with Day/Night Cameras
- High Image Quality in Near Infrared Range
- Chromatic Aberrations Corrected in Visible and IR Spectrums
The latest optical designs compensate for various aberrations that occur in the visible and near infrared ranges for sharp images in all applications. Tamron’s IR lenses meet the performance characteristics of Day/Night cameras 100%, for real 24-hour surveillance.

Employment of advanced optical designs in all the IR lenses and special glass (LD elements) in the Vari-Focal series has resulted in the elimination of shifts of focus points in both visible and infrared ranges. Rays of light from both spectrums are focused onto the same focal plane, resulting in sharp images. This type of compensation is necessary since IR lenses are ideal not only for Day/Night cameras but also for conventional B/W cameras that are sensitive to both visible and Near Infrared light.

**Advanced Optical Designs Eliminate Shifts of Focus in the Near Infrared Range.**

**Compensation of aberration by aspherical element**

**Objects with infrared light.**

**Objects with visible light (under a fluorescent bulb).**

**Difference in angles of view with 2.8mm and 40mm Vari-Focal lens**

**Wide Dynamic Range of F/1.0 Aperture**

Tamron’s special multi-layer coating is designed to allow rotation of the lens after mounting it on the camera and for fine-tuning its position. This feature allows the lens’ auto-iris meter on the lower part of the lens to be rotated to the correct position, depending upon the mounting position of the camera.

### Tamron’s IR lens Special Features

**Built-in Slip Mount Mechanism**

- A locking mechanism is attached to each control ring. Anchoring the rings in place prevents unwanted shifts in the desired setting after the lens has been mounted.

**Environmentally-conscious Design**

Tamron’s IR lenses use glass having no lead content, and lead-free solder is used in manufacturing. Other environmentally-friendly materials are used as well.

**Multi-layer Coating Applied**

Tamron’s special multi-layer coating is designed to prevent transmittance fall-off in the infrared range is effectively applied to minimize ghosting and flare caused by back-lighting, thus providing high contrast quality images even in adverse back-light conditions.

### Tamron’s IR Lenses

**Vari-Focal Lenses**

<table>
<thead>
<tr>
<th>Model</th>
<th>Image Size</th>
<th>Weight</th>
<th>Mount</th>
<th>Focal Length</th>
<th>Aperture Range</th>
<th>Image Plane</th>
</tr>
</thead>
<tbody>
<tr>
<td>13VM308ASIR</td>
<td>27.5˚ x 20.4˚</td>
<td>77g</td>
<td>CS</td>
<td>10-40mm</td>
<td>F/1.4-360</td>
<td>27.5˚ x 20.4˚</td>
</tr>
<tr>
<td>13VG1040ASIR</td>
<td>7.0˚ x 5.2˚</td>
<td>87g</td>
<td>CS</td>
<td>1.4-360</td>
<td>F/1.4-360</td>
<td>7.0˚ x 5.2˚</td>
</tr>
</tbody>
</table>

**Fixed-Focal Lenses**

<table>
<thead>
<tr>
<th>Model</th>
<th>Image Size</th>
<th>Weight</th>
<th>Mount</th>
<th>Focal Length</th>
<th>Aperture Range</th>
<th>Image Plane</th>
</tr>
</thead>
<tbody>
<tr>
<td>13VG1040ASIR</td>
<td>7.0˚ x 5.2˚</td>
<td>87g</td>
<td>CS</td>
<td>1.4-360</td>
<td>F/1.4-360</td>
<td>7.0˚ x 5.2˚</td>
</tr>
<tr>
<td>12VG1040ASIR</td>
<td>7.0˚ x 5.2˚</td>
<td>87g</td>
<td>CS</td>
<td>1.4-360</td>
<td>F/1.4-360</td>
<td>7.0˚ x 5.2˚</td>
</tr>
</tbody>
</table>
**Caution:** Please read the instruction manual carefully before using the lens.
About BarcodesInc

Who We Are
BarcodesInc is North America's leading provider of specialized digital data hardware and software solutions. Our products include barcode scanners, mobile computing devices, identification card equipment, point-of-sale systems, barcode label and receipt printers, and consumables, all of which help customers improve productivity and profitability. Our product and solution experts have been serving both small businesses and large enterprises since 1994.

We Owe Our Success To You
It's true that data tracking is our expertise - but customer satisfaction is our true passion. We have one overriding objective: focus on you, the customer. We understand that each customer’s need is unique. That's why we listen carefully and tailor our solutions to meet your needs. We appreciate the opportunity to serve you and strive to exceed your expectations!

Why Choose BarcodesInc?

Dedicated Account Manager
Our Account Managers will not compromise when it comes to providing you top-notch service. Your Account Manager is the primary point of contact for your business and makes it a priority to get to know you, your company and all your needs.

Highly-Trained Technical Support
Our technical staff has the broadest knowledge and every significant certification in the industry. One of our friendly experts is always available to suggest products and solutions for any situation.

Incredible Value
Our purchasing power means big savings for you. Whatever your project, our team will work hard to deliver a solution that fits your budget.

Largest Inventory in the Industry and Same-Day Shipping
Whatever your barcoding, mobile computing, or printing needs, we will fill your order and ship it the same day.

Premier Access to Top Manufacturers
BarcodesInc maintains strong strategic partnerships with the leading manufacturers in barcoding, mobile computing, printing and RFID.

Responsive Customer Service
Every phone call and email is responded to promptly, completely and accurately by our customer service team.

Easy Returns
Damaged, defective or incorrectly ordered goods may be returned without hassle.