

OCUTECH®

Image Minifier (.5xIM)

The Ocutech Image Minifier (IM) is designed to enhance peripheral field awareness for individuals with restricted visual fields (tunnel fields) from Retinitis Pigmentosa (RP), Glaucoma, and other visual disorders by reducing the image size so more is seen in the same amount of space. The IM is specifically designed as an image minifying device, providing a flat field, with a wide ocular lens to allow for scanning through the device. The 50% reduction is optimal because it minimally reduces visual acuity while avoiding the barrel distortion experienced when using reversed Galilean Telescopes.

The Ocutech IM can be used in a trial frame for demonstration purposes, handheld with a neck strap, or spectacle mounted for either monocular or binocular use, and in either bioptic or full diameter positions.

- **Crisp, undistorted, flat field**
- **Wide ocular lens permits scanning through the device**
- **50% field enhancement effect with minimal acuity loss**
- **Prescribe as either spectacle mounted, or handheld with neck strap**
- **Trial-ring version available for demonstration in trial frame**
- **No eye piece correction required**
- **Adjustable focus allows optimum focus for each patient**
- **Huge depth of field**
- **Monocular or binocular applications**

For the normally-sighted to understand the benefit of the IM, place a pinhole occluder in a trial frame and observe the very narrow field of view characteristic of an individual with tunnel vision. Now place the IM in front of the pinhole occluder and notice the expanded field of view that the IM provides.



DEMONSTRATION: The Ocutech IM can be demonstrated either in a trial frame or handheld. The patient should be positioned facing a doorway (or other appropriate obstacle) close enough so that he/she is unable to see both sides of the door jam. Without moving the patient, place the IM in position in front of the patient's dominant eye (the preferred sighting eye) and allow them to notice that both sides of the doorway are now visible, (or that they require less head or eye turn) so they will be able to pass through more safely. Once this concept has been appreciated, allow the individual to walk while using the aid either in the trial frame or handheld.

FOCUSING: The design of the IM chassis allows for a fine focus of the device by simply loosening the set screw and sliding the front and back of the IM in and out until the image is clearest for the user. Usually only a very slight adjustment is required. Re-tighten the set screw once the best focus is achieved. Focusing for different distances is not required due to the large depth of field of the device.



The Ocutech Field Viewer (.25x FV)

The Ocutech Field Viewer (FV) is a 48mm diameter bi-concave lens mounted in a ring that minimizes the image size 4 times. The FV is helpful for the visual field restricted patient as an aid in mobility and other visual activities. Since the Field Viewer is intended to be held at arm's length, it can be conveniently positioned and manipulated for a variety of visual applications. The Ocutech Field Viewer is provided with a neck strap and case.



The Ocutech Field Viewer is held at arm's length and reduces the size making it easier for individuals with constricted visual fields to travel more safely and locate objects beyond their normal field of view.