The wide field of view IR test collimator, is used to test thermal imagers in their wide field of view mode of operation. Typical applications include navigational FLIR’s and commercial imagers. CI’s unique compact WFOV is an IR collimator combined with an accurate IR source (CI’s SR 800-2D) and a target wheel. The WFOV provides the means to perform IR testing such as; MTF, NETD, MRTD etc.

Blackbody temperature and target wheel position can be manually controled using the blackbody controller or using a computer via the IEEE-488 or RS232 communication. The WFOV is fully compatible with CI’s Automatic FLIR Test Software.
**WFOV**

Wide Field of View Collimator

## FEATURES
- Low cost
- High optical quality
- Easy to operate
- High resolution option available
- Rugged construction
- Easy to align
- Automatic testing capability

## SPECIFICATIONS

<table>
<thead>
<tr>
<th>Collimator</th>
<th>3-5µm</th>
<th>8-12µm</th>
<th>3-5µm HR</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Spectral Range</strong></td>
<td>3-5µm</td>
<td>8-12µm</td>
<td>3-5µm HR</td>
</tr>
<tr>
<td><strong>Type</strong></td>
<td>Refractive</td>
<td>Refractive</td>
<td></td>
</tr>
<tr>
<td><strong>FOV</strong></td>
<td>11°</td>
<td>11°</td>
<td></td>
</tr>
<tr>
<td><strong>Clear Aperture</strong></td>
<td>Ø100 mm</td>
<td>Ø70 mm</td>
<td></td>
</tr>
<tr>
<td><strong>E.F.L.</strong></td>
<td>100 mm</td>
<td>100 mm</td>
<td></td>
</tr>
<tr>
<td><strong>Resolution</strong></td>
<td>3 cy/mrad</td>
<td>8 cy/mrad</td>
<td></td>
</tr>
</tbody>
</table>

**SR800 Differential Blackbody**

- **Control modes**: Differential and absolute
- **Differential temperature range**: -25°C to +100°C
- **Absolute temperature range**: 0°C to 125°C
- **Resolution of setting and readout**: 0.001°C
- **Differential temp. accuracy**: 0.008°C @ <25°C, 0.015°C @ >25°C whichever is greatest

**Target Wheel**

- **Target wheel**: Motorized, remotely controlled
- **Number of targets**: Up to 12 plates
- **Control unit**: 19” rack mountable
- **Optical head dimensions**: 260mm x 260mm x 170mm (WxLxH)
- **Operating temperature**: 10°C to +35°C