EYE
THERMAL CAMERA SERIES

LONG RANGE PERFORMANCE
COOLED THERMAL CAMERA
CONTINUOUS ZOOM
LARGE FORMAT 640X512 DETECTOR
AUTO-FOCUS
EYE

THERMAL CAMERA SERIES

Applications

- Border Surveillance
- Coastal Surveillance
- Facility Security
- Long Range Surveillance
- Law Enforcement

Main Features

- Meets Military Environmental Requirements
- Automatic image optimization
- Image Freeze
- Polarity Change
- Reticle Adjustment
- Gain and Level Adjustment
- User-Friendly Menu
- External software update
- Motorized focus, FOV and zoom adjustment
- Lens protection cover

Technical Specifications

- Detector Type: Cooled, 3-5 μm
- Detector Format: 640x512
- Electronic Magnification: 2
- Continuous Zoom Lens: Ok
- Cool down Time: < 7 min
- Communication Interface: RS422/RS232
- Video Output: CCIR
- Power Input: 13-33 Vdc

Environmental Conditions

- Operating Temperature: -32°C to +50°C
- Storage Temperature: -40°C to +65°C
- Standard: MIL-STD-810 G

EYE Thermal Camera Versions

<table>
<thead>
<tr>
<th>IR Band</th>
<th>EYE-S</th>
<th>EYE-M</th>
<th>EYE-L</th>
<th>EYE-XL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Detector</td>
<td>3-5 μm (MWIR)</td>
<td>3-5 μm (MWIR)</td>
<td>3-5 μm (MWIR)</td>
<td>3-5 μm (MWIR)</td>
</tr>
<tr>
<td>Optical Zoom</td>
<td>Continuous</td>
<td>Continuous</td>
<td>Continuous</td>
<td>Continuous</td>
</tr>
<tr>
<td>Digital Zoom</td>
<td>2X</td>
<td>2X</td>
<td>2X</td>
<td>2X</td>
</tr>
<tr>
<td>FOV (Wide)</td>
<td>16.8°x13.5°</td>
<td>11°x8.8°</td>
<td>6°x4.8°</td>
<td>12.2°x9.75°</td>
</tr>
<tr>
<td>(Middle)</td>
<td>6°x4.8°</td>
<td>4°x3.2°</td>
<td>2.4°x1.9°</td>
<td>6°x4.8°</td>
</tr>
<tr>
<td>(Narrow)</td>
<td>2°x1.6°</td>
<td>1.3°x1°</td>
<td>0.8°x0.6°</td>
<td>0.5°x0.4°</td>
</tr>
<tr>
<td>Effective Focal Length</td>
<td>275mm</td>
<td>413mm</td>
<td>688mm</td>
<td>1100mm</td>
</tr>
<tr>
<td>Weight</td>
<td>&lt;2.7 kg</td>
<td>&lt;3.5 kg</td>
<td>&lt;4.3 kg</td>
<td>&lt;10 kg</td>
</tr>
</tbody>
</table>

Standard Accessories

- Carrying Case
- Transportation Case
- Lens Cleaning Kit

Optional Accessories

- Motorized Pan&Tilt
- Manuel Pan&Tilt
- Tripod
- Remote Control Unit
- LCD Monitor
- UPS
- Video Recorder
- Pirate, Head Mounted Display
- External AC/DC Adaptor
- Battery and Battery Charger