

## MK-IV Wide-Spectrum Thermal Beacon

Cat. No. 201411000

<b>Performance</b>	
<ul style="list-style-type: none"> <li>• <b>Recognition Ranges</b> <ul style="list-style-type: none"> <li>▪ 4 km                      Using 8-12 <math>\mu\text{m}</math> MCT camera (narrow field)</li> <li>▪ 8-9 km                    Using 3-5 <math>\mu\text{m}</math> InSb camera (250 mm lens)</li> <li>▪ 8-9 km                    Using 2nd or 3rd generation night vision goggles</li> </ul> </li> <li>• <b>Radiation Divergence</b> <ul style="list-style-type: none"> <li>▪ Omni-directional (<math>2\pi</math> StRad)</li> </ul> </li> <li>• <b>Modes of Operation:</b> <ul style="list-style-type: none"> <li>▪ OFF:                      System shutdown</li> <li>▪ Stand By:                Minimum power consumption</li> <li>▪ Power ON:                Radiation at 3-5 <math>\mu\text{m}</math> and 8-12 <math>\mu\text{m}</math></li> <li>▪ IR ON (optional):        Additional and optional radiation at Near IR (0.8 <math>\mu\text{m}</math>)</li> <li>▪ Fault (red LED):        System malfunction indication</li> </ul> </li> </ul>	
<b>Electrical</b>	
<ul style="list-style-type: none"> <li>▪ Power source:            12 VDC / 24 VDC</li> <li>▪ Power consumption:    Less than 95 Watts</li> <li>▪ Signaling rate:           1.5 Hz</li> <li>▪ Internal BIT</li> </ul>	
<b>Physical</b>	
<ul style="list-style-type: none"> <li>▪ Dimensions: <ul style="list-style-type: none"> <li>- Beacon:                    <math>\varnothing</math> 155 mm X 312 mm</li> <li>- Operating box:            (w) 111 mm X (l) 150 mm X (h) 70 mm</li> </ul> </li> <li>▪ Weight:                    5 Kg</li> <li>▪ Construction:            Black anodized aluminum</li> </ul>	
<b>Environmental</b>	
<ul style="list-style-type: none"> <li>▪ Operational temperature: -20°C up to +50°C</li> <li>▪ Storage temperature:    -40°C up to +70°C</li> </ul>	

