LWIR SERIES

MICRO RUGGED LWIR SENSOR

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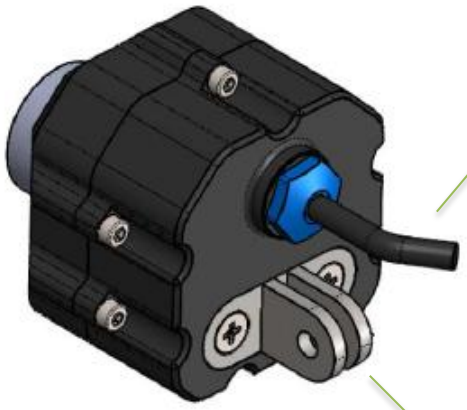
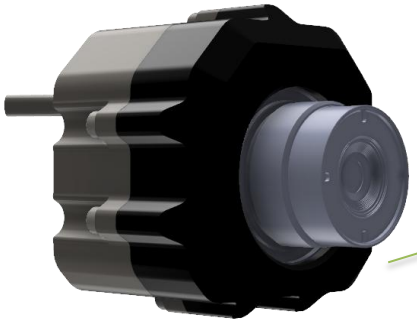
Light Weight, Powerful, Easy to use

The system integrates a super sensitive LWIR Sensor FLIR TAU2 640x512 providing perfect vision even in total darkness. The unit is all weather robust, lightweight and unobtrusive.

ROBOTICS PERIMETER DVE VMD SECURITY



- Ethernet (via Encoder)
- CVBS (Analog)
- Rotatable Mounting



- IP 67 Anodized Alum. Chassis

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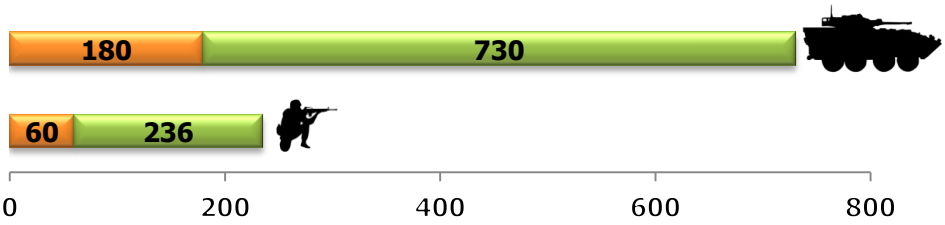
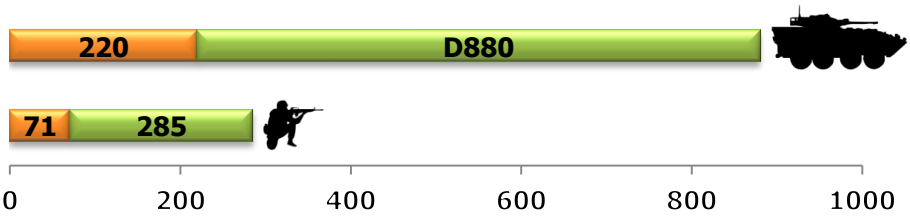
7.5mm Lens, 90° x 69 °

Detection & Recognition Ranges (m)



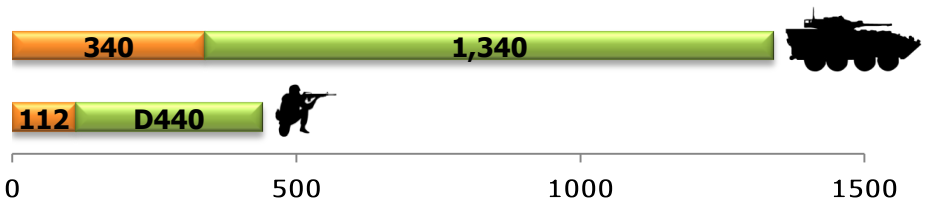
9mm Lens, 69° x 56°

Detection & Recognition Ranges (m)



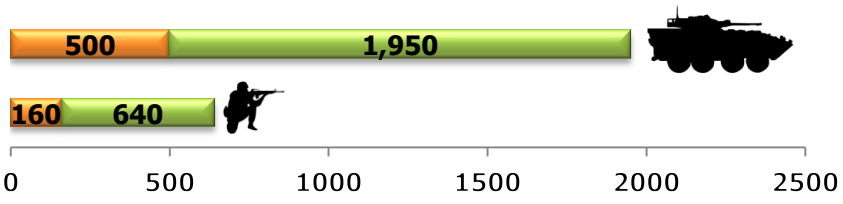
13mm Lens, 45° x 37°

Detection & Recognition Ranges (m)



19mm Lens, 32° x 26°

Detection & Recognition Ranges (m)



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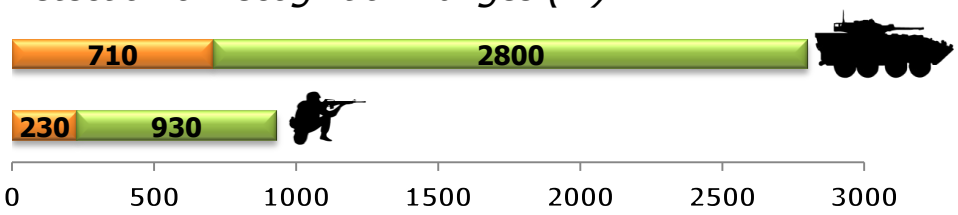
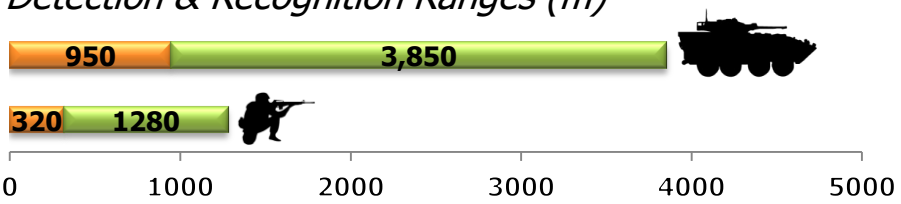
25mm Lens, 25° x 20°

Detection & Recognition Ranges (m)



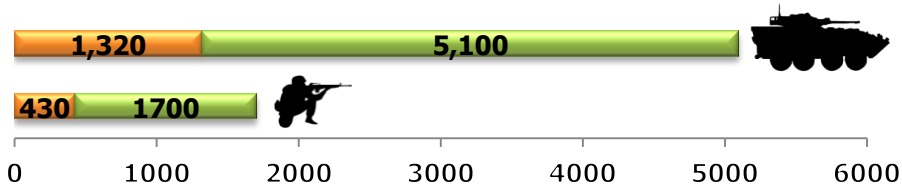
35mm Lens, 18° x 14°

Detection & Recognition Ranges (m)



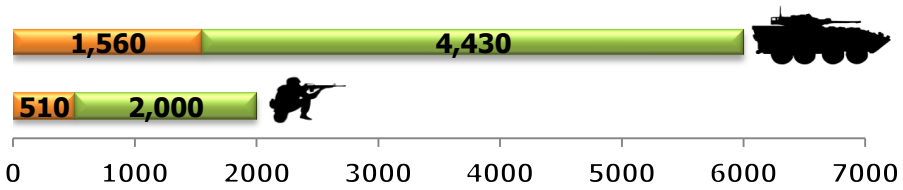
50mm Lens, 12.4° x 9.9°

Detection & Recognition Ranges (m)



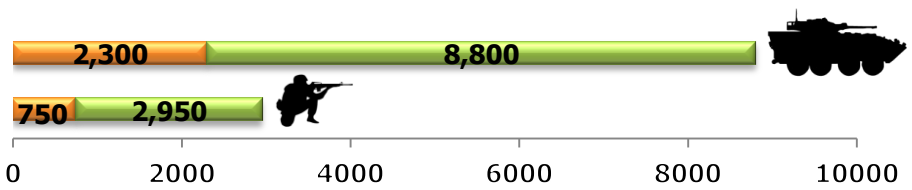
60mm Lens, 10.4° x 8.3°

Detection & Recognition Ranges (m)



100mm Lens, 6.2° x 5.0°

Detection & Recognition Ranges (m)



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Due to Nitrogen pressurization, the system is resistant towards challenging environmental conditions, such as water damage, failure of electrical, mechanical, and optical components.

Reliability of Performance

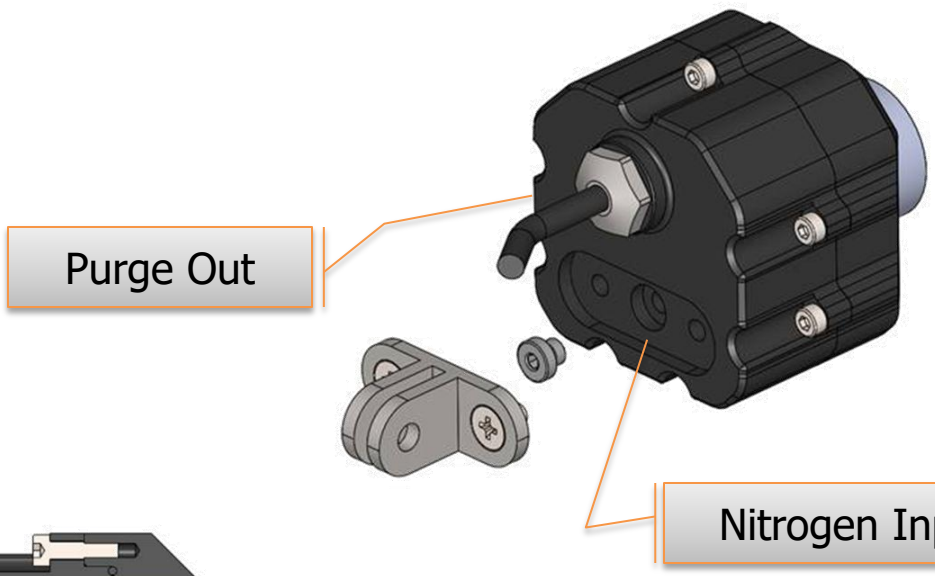
Sealing and pressurization ensure that electrical, mechanical, and optical components remain free from contaminants.

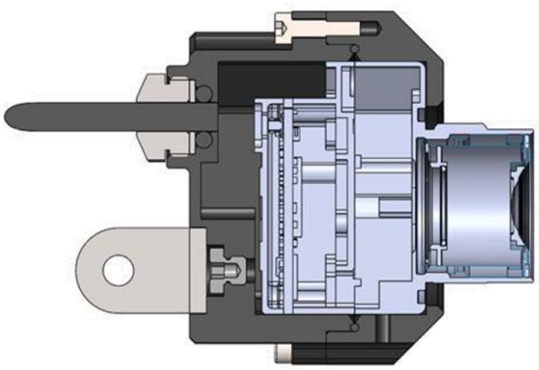
Controlled Environment For Optics and Lens

A sealed and pressurized enclosure prevents condensation on the lens and interior of the housing faceplate.

Corrosion Protection

No interior corrosion of circuit boards, solder joints, wiring, or metal parts.





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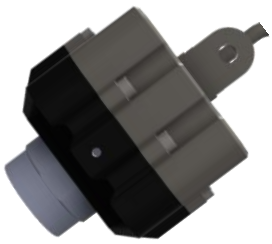
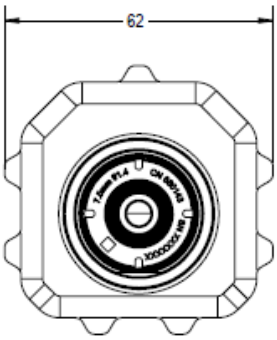
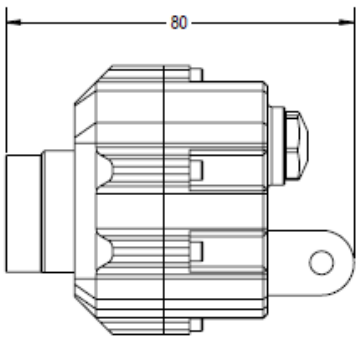
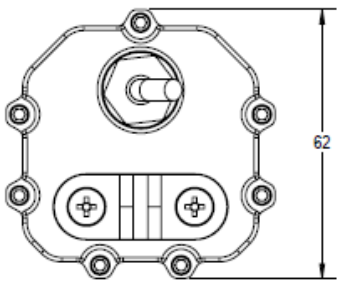
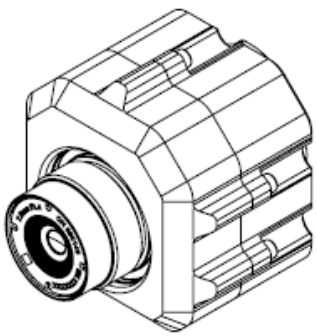
Imaging Sensor	Uncooled VOX Microbolometer
Resolution (pixels)	640x512
Thermal Lens	7.5 to 100mm
Pitch	17 µm
Spectral Band	7.5 - 13.5 µm
Frame Rate	9Hz / 30 Hz
Sensitivity	<50 mK at f/1.0
Max. Wide FOV	90° x 69° (7.5mm)
Max. Narrow FOV	6.2° x 5° (100 mm)
Input Supply Voltage	4.0 - 6.0 VDC
Nominal Consumption	<1.2 W
Max. Consumption	<2.5 W

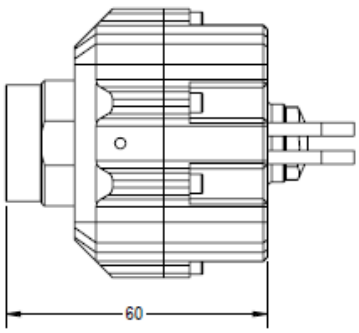












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