

Emerald - SR

Short Range Hand-Held Reconnaissance Surveillance & Target Acquisition



Main Advantages & Features

- Lightweight & compact
- Dual FOV (thermal imager)
- Continuous E-Zoom
- Color day camera
- Integral eyesafe LRF
- Integral digital magnetic compass
- Integral GPS
- Built-in real time video recorder - MPEG compression
- Real-time target acquisition and target coordinate calculation
- Image and target data storage memory
- Advanced low power OLED display
- Designed and tested IAW MIL-STD-810F

Applications

- Infantry, scouts and special units
- Security and perimeter defense
- Target acquisition systems for infantry commanders
- Night sight and target acquisition for the Future Soldier



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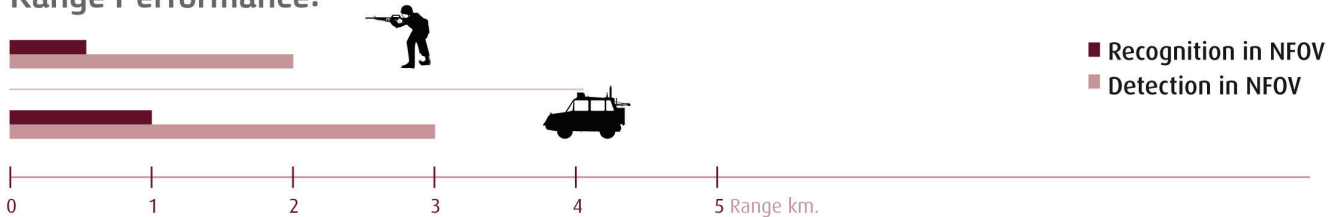
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Technical Specifications

- Thermal detector Uncooled 384 x 288 VOx microbolometer
- Thermal imager FOVs 6° x 4.5°, 18° x 13.5°
- Color day camera FOVs 3° x 2.5°, 12° x 10°
- Eyesafe 1.54 μ m LRF (diode laser)
- Built-in GPS
- Built-in digital magnetic compass
- Real time video MPEG-4 recorder
- Total weight (including rechargeable battery) 2 kg
- Dimensions 200 x 180 x 90 mm
- Total power consumption < 5 W
- Operating time > 8 Hours



Range Performance:



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