

EXPLORER

HAND HELD ELECTRO-OPTIC SENSOR SYSTEM

HIGH RESOLUTION LWIR DETECTOR

FAST START-UP TIME

ERGONOMIC AND RUGGED DESIGN

INTEGRATED LRF, LASER POINTER, GPS AND DMC





EXPLORER

HAND HELD ELECTRO-OPTIC SENSOR SYSTEM

Applications

- Border Surveillance
- Reconnaissance
- Situational Awareness
- Special Forces
- Law Enforcement

Main Features

- High Resolution Uncooled Thermal Camera
- Automatic image optimization and enhancement
- Real time calculation of target coordinates
- Easy battery change
- High resolution OLED display

Technical Specifications

Thermal Camera

- Detector Type : Uncooled, 8-12 μm
- Detector Format : 640X480
- Field of View : 10.3° x 7.7°
- Electronic Zoom : x2,x4

Laser Range Finder

- Type : Class 1, Eye Safe
- Wavelength : 1550 nm
- Range : 2200 m (TANK)
- Accuracy : 5m rms

Digital Magnetic Compass

- Accuracy : 6 mrad rms

GPS

- Accuracy : 10m rms

Physical Properties

- Weight : <1.5 kg (without battery)
- Battery Life : >5 hours
- Water Resistance : 30min for 1m
- Dimensions : 185 x 220 x 95 mm

Environmental Conditions

- Operating Temperature : -32°C to +55°C
- Storage Temperature : -40°C to +60°C
- Environmental Spec : MIL-STD-810G

Standard Accessories

- Rechargeable Batteries
- Battery Charger
- Eyecup
- Objective Cover
- Optical Cleaning Kit
- Carrying Case
- Transportation Case
- Tripod with Manual Adjustment Unit

Optional Accessories

- External Video Cable
- External AC Adaptor
- Goniometer
- Car Lighter Charger Adapter