

# SCOUT-II

MOBILE ELECTRO - OPTICAL  
SENSOR SYSTEM





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## Mobile Electro - Optical Sensor System

SCOUT-II, hand-held integrated electro-optical sensor system uses the advanced technologies and offers different sensors into one compact and ergonomic design. It comprises a high resolution thermal imaging sensor, color day camera, eye-safe laser range finder, GPS receiver and digital magnetic compass. It is a state-of-the-art product fulfilling the requirements for target acquisition in extensive ranges. User has the advantage of using a high performance thermal imaging sensor for day and night observation and target positioning capability. Operator locates his own position by GPS receiver. Any threat may be located with high accuracy by simply pushing laser range button. System displays target coordinates. SCOUT-II performs all calculations by its embedded software without user intervention.

SCOUT-II is an ideal system for mechanized infantry units, infantry units, Special Forces, forward observers, reconnaissance patrols, peace-keeping forces and any other users engaged in day and night operations in field and urban environments.

All functions are operated through the user-friendly menus and controls.

Light and easy to use, SCOUT-II brings to quickly acquisition of targets helping the soldiers in critical situations giving information for engagements.

### Standard Features

- Hand-held or on tripod use
- Custom Design Reticule
- Ergonomic design
- "Standby" mode of operation in thermal imaging
- Meets military environmental requirements per MIL-STD-810
- Automatic image optimization and image enhancement
- Image freezing of the thermal imager
- Polarity change in thermal imaging (white hot/black hot)
- Reticule brightness adjustment
- Gain and level adjustment
- External software update
- High resolution OLED display for improved day observation along with night observation
- Binocular eyepiece (with high resolution OLED display)
- Battery level indicator

### Technical Parameters

- Battery life : > 5 hours (3 hours thermal + 2 hours day mode visioning)
- Weight : < 3.8 Kg (including battery)
- Compatible Design with Military Standards: MIL-STD-810G
- Operational Temp. Range : -30° ile +55°
- Storage Temp. Range : -45° ile +65°

### Standard Accessories

- Tripod With Manual Pan&Tilt Unit
- Shipping/Storage & Soft Carrying Cases
- Shuttered Eye Cup (2 Ea.)
- Neck Strap
- Lens Protection Cover
- Charging Unit And Batteries
- Cleaning Kit

### Thermal Imaging

- Preset Field of Views
- Wide Field of View (WFOV) : 25°X20° (±%10)
  - Middle Field of View (MFOV) : 6°X5° (±%10)
  - Narrow Field of View (NFOV) : 2°X1.6° (±%10)
- Continuous Zoom : from WFOV to NFOV
- Digital Zoom : x2
- Starring array detector : 3 - 5 µm, cooled
- Laser Range Finder
- Type : Class 1, eye-safe laser
- Wavelength : 1.55 ± 2 µm
- Range : From 100m to 20000m (changes according to target and environmental conditions)

### Digital Magnetic Compass

- Color TV camera
  - 3 Preset Field of Views
  - Wide Field of View (WFOV) : 25°X18.8° (±%10)
  - Middle Field of View (MFOV) : 6°X4.5° (±%10)
  - Narrow Field of View (NFOV) : 2°X1.5° (±%10)
  - Continuous Zoom : from 40° to 2° (Horizontal FOVs)
- Global Positioning System (GPS)
- Embedded Laser Pointer
  - Wavelength : 0.83µm
  - Video Output : CCIR
  - Communication : RS232/RS422
  - Battery Life : A) Battery1 > 5 hours  
: B) Battery2 > 3 hours
- Weight : A) < 3.7 Kg (with Battery1)  
: B) < 3.6 Kg (with Battery2)

### Optional Accessories

- Pirate, Head Mounted Display
- Solar Battery Charger
- Cable Sets
- Operator Control Unit
- Add On Optical Extende