

# ATS-71

ARMoured VEHICLE  
ELECTRO OPTIC SENSOR SYSTEM

HIGH RESOLUTION IR DETECTOR

COLOR TV

EYE SAFE LASER RANGE FINDER

CONTINUOUS ZOOM CAPABILITY (THERMAL AND COLOR TV)

RUGGEDIZED





# ATS-71

## ARMoured VEHICLE ELECTRO OPTIC SENSOR SYSTEM

### Applications

- Armored vehicles
- Remote Weapon Systems
- Main Battle Tanks

### Main Features

- Multi-Sensor Capability
- High Resolution Uncooled Thermal Camera
- Eye-Safe Laser Range Finder
- Compact, Rugged, Military Hardened
- Freezing Capability (Thermal and Color TV)
- Polarity Change (Thermal)
- Automatic Contrast and Brightness Adjustment (Day-TV/Thermal)
- Manuel Contrast and Brightness Adjustment (Thermal)
- Focus Adjustment
- Target Range Measurement Capability
- Laser Reflection Selection
- RS-422 Communication Interface

### Technical Specifications

#### Thermal Camera

- Detector Type : Uncooled, 8-12  $\mu\text{m}$
- Detector Format : 640X480
- Field of View
  - Preset1(Narrow) :  $4^\circ \times 3^\circ$  ( $\pm 10\%$ )
  - Preset2 :  $6^\circ \times 4.5^\circ$  ( $\pm 10\%$ )
  - Preset3 :  $10^\circ \times 7.5^\circ$  ( $\pm 10\%$ )
  - Preset4 (Wide) :  $18^\circ \times 13.5^\circ$  ( $\pm 10\%$ )
- Continuous Zoom Capability Up To  $25^\circ$
- Electronic Zoom : x2

#### Laser Range Finder

- Type : Class 1, Eye Safe
- Wavelength : 1.54  $\mu\text{m}$
- Range : 100m - 10000m
- Accuracy :  $\pm 5\text{m}$

#### DAY TV Camera

- Sensor Type : CCD/CMOS
- Field of View
  - 7 Preset FOVs Between
  - Narrow :  $2^\circ \times 1.5^\circ$  ( $\pm 10\%$ )
  - Wide :  $55^\circ \times 41.2^\circ$  ( $\pm 10\%$ )
- Continuous Zoom Capability
- Electronic Zoom

#### Laser Pointer

- Wavelength : 820 nm  $\pm 30$  nm

