

ATS-70

ARMOURED VEHICLE
ELECTRO OPTIC SENSOR SYSTEM

HIGH RESOLUTION IR DETECTOR

COLOR TV

EYE SAFE LASER RANGE FINDER

CONTINUOUS ZOOM CAPABILITY (THERMAL AND CAMERAS)

RUGGED





ATS-70

ARMoured VEHICLE ELECTRO OPTIC SENSOR SYSTEM

Applications

- Mobile applications
- Armored vehicles
- Remote Weapon Systems
- Main Battle Tanks
- Target Detection

Main Features

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

Technical Specifications

Thermal Camera

- Detector Type : Uncooled, 8-12 μm
- Detector Format : 640X480
- Field of View
 - Narrow : 4.1°x3° ($\pm\%10$)
 - Middle : 10°x7.5° ($\pm\%10$)
 - Wide : 18°x13.5° ($\pm\%10$)
- Continuous Zoom Capability
- Electronic Zoom : x2

Laser Range Finder

- Type : Class 1, Eye Safe
- Wavelength : 1.54 μm
- Range : 100m - 20000m
- Accuracy : $\pm 5\text{m}$

DAY TV Camera

- Sensor Type : 1/4" CCD
- Field of View
 - Narrow : 2°x1.5° ($\pm\%10$)
 - Middle : 10°x7.5° ($\pm\%10$)
 - Wide : 18°x13.5° ($\pm\%10$)
- Continuous Zoom Capability

