

ATS-70

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-70

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 μm
- Detector Format : 640X480
- Field of View
 - Preset1(Narrow) : 4°x3° ($\pm\%10$)
 - Preset2 : 6°x4.5° ($\pm\%10$)
 - Preset3 : 10°x7.5° ($\pm\%10$)
 - Preset4 (Wide) : 18°x13.5° ($\pm\%10$)
- Electronic Zoom : x2

Laser Range Finder

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

DAY TV Camera

- Sensor Type : CCD/CMOS
- Field of View
 - 7 Preset FOVs Between
 - Narrow : 2°x1.5° ($\pm\%10$)
 - Wide : 55°x41.2° ($\pm\%10$)
- Continuous Zoom Capability Up To 25°
- Electronic Zoom

