

# ATS-45

ARMOURED VEHICLE  
ELECTRO OPTIC SENSOR SYSTEM

MULTI-SENSOR CAPABILITY

HIGH RESOLUTION UNCOOLED THERMAL CAMERA

CONTINUOUS ZOOM LENS (DAY-TV)

EYE-SAFE LASER RANGE FINDER

COMPACT, RUGGED, MILITARY HARDANED

EASY INTEGRATION TO ANY PLATFORM





# ATS-45

## ARMoured VEHICLE ELECTRO OPTIC SENSOR SYSTEM

### Applications

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

### Main Features

- 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
- External Software Update

### Technical Specifications

#### Thermal Camera

- Detector Type : Uncooled, 8-12  $\mu\text{m}$
- Detector Format : 640X480
- Field of View
  - Narrow : 4.6°x3.5° ( $\pm\%10$ )
  - Wide : 13.7°x10.3° ( $\pm\%10$ )
- 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 : 1/4" CCD
- Field of View
  - Narrow : 2°X1.5° ( $\pm\%10$ )
  - Wide : 40°X30° ( $\pm\%10$ )
- Continuous Zoom Capability

#### Power Requirement

- Input Voltage : 18V-33V
- Nominal :  $\leq 30\text{W}$
- Maximum :  $\leq 100\text{W}$
- Compliant with MIL-STD-1275D
- Reverse Input Current Protection

