

# ATS-60

ELECTRO OPTIC SENSOR SYSTEM

MULTI-SENSOR CAPABILITY

HIGH RESOLUTION COOLED THERMAL CAMERA

CONTINUOUS ZOOM LENS (CCD AND THERMAL)

EYE-SAFE LASER RANGE FINDER

COMPACT, RUGGED, MILITARY HARDANED





# ATS60

## ELECTRO OPTIC SENSOR SYSTEM

### Application

- Fire Control
- Armored vehicles
- Remote Weapon Stations
- Main Battle Tanks

### General Specifications

- 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
- Compliant to EMI/EMC according to MIL-STD-461E Table-V
- External Software Update

### Technical Specifications:

#### Thermal Camera

- 3 Preset Field of Views
  - Narrow FOV : 2°X1.6° (±%10)
  - Medium FOV : 6°X4.8° (±%10)
  - Wide FOV : 16.8°X13.5° (±%10)
- Continuous Zoom : From WFOV to NFOV
- Digital Zoom : x2
- Detector Type : Cooled, 3-5 µm,
- Detector Format : 640X512
- Cool Down Time : ≤7 min @ 23°C±2°C

#### Laser Range Finder

- Type : Class 1, eye-safe laser
- Wavelength : 1.54 µm
- Range : From 100m to 19000m  
(changes according to target and environmental conditions)
- Accuracy : ±5m

#### Day TV camera

- 3 Preset Field of Views:
  - Wide FOV : 16.8°X12.6° (±%10)
  - Middle FOV : 6°X4.5° (±%10)
  - Narrow FOV : 2°X1.5° (±%10)
- Continuous Zoom : from NFOV to WFOV
- Digital Zoom : Continuous to 12X
- Sensor type : ¼" Color CCD

#### Physical

- Dimensions : 260mm x 225mm x 131mm
- Weight : < 6.5 kg

#### Environmental Conditions

- Operating Temperature : -32°C to +55°C
- Storage Temperature : -45°C to +55°C
- Standard : MIL-STD-810 G

#### Optional Accessories

- Control and Display Unit (optional)