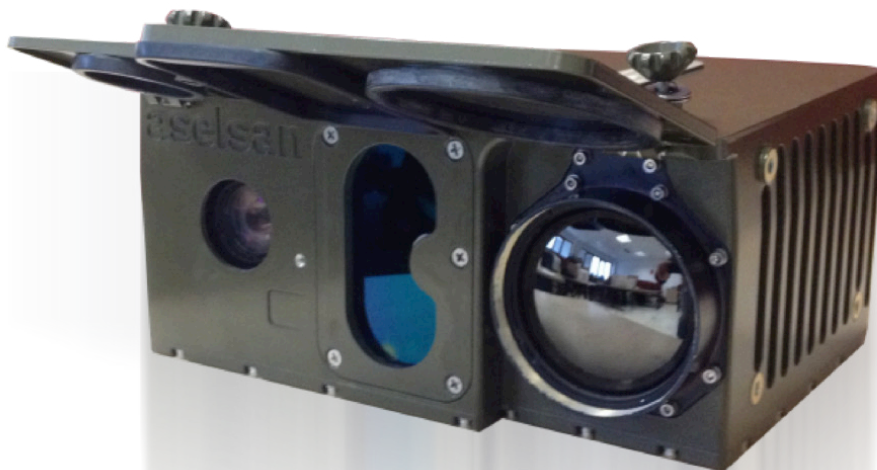


ATS-40

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-40

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)
- Manual Contrast and Brightness Adjustment (Thermal)
- Focus Adjustment
- Reticle Brightness Adjustment
- Target Range Measurement Capability
- Laser Reflection Selection
- External Software Update

Environmental Conditions

- Operating Temperature : -40°C to +55°C
- Storage Temperature : -40°C to +65°C
- Standard : MIL-STD-810 G



Technical Specifications

Thermal Camera

- Operating Band : 8-12 μm
- Detector : Uncooled
- Detector Resolution : 384x288 or 640x480 (optional)
- FOV (HxV)

384x288 version

- Narrow : 4°x3°
- Wide : 12°x9°

640x480 version

- Narrow FOV : 13.75°x10.3°
- Wide FOV : 4.6°x3.5°

x2 Electronic Zoom

- Video Output : CCIR

CCD Camera

- Field of View (H)
 - Narrow FOV : 2°
 - Wide FOV : 40°
 - Continuous Zoom from NFOV to WFOV
- Video Output : PAL
- x12 Electronic Zoom
- x36 Optical Zoom

Laser Range Finder

- Laser Type : Eye Safe Laser Class 1
- Range : 50m-5500m
- Resolution : ± 5 m

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

Communication Interface

- RS-422