

# ELOP Mini CORAL

Uncooled Hand-Held Thermal Imager with Target Acquisition Capabilities



Mini Coral is a lightweight thermal imager and target acquisition system designed for both urban warfare scenarios and for wide spread battlefield deployment. The system incorporates a GPS, day, night and fused channels, laser range finder and a compass, enabling the operator to acquire target coordinates to ranges of 2-3 kilometers and save the target data, image and video in a target data bank. Mini Coral is a key to any large-scale infantry modernization program

## Main Features

- Dual FOV thermal imager
- Color day camera
- Fusion (day/night channels)
- Real-time target acquisition and target coordinate calculation
- Target image and target bank storage memory
- Built-in real time video recorder – MPEG compression
- Interface to BMS
- 8 hours of operation with a single battery
- Designed and tested IAW MIL-STD-810F

# Mini CORAL

## Uncooled Hand-Held Thermal Imager with Target Acquisition Capabilities

### Technical Data

#### Thermal Imager

Spectral band 8 – 12µm  
 IR detector Uncooled 384 x 288 VOx microbolometer

NFOV 6° x 4.5°  
 WFOV 18° x 13.5°

#### CCD Cameras

Wide FOV Monochrome high resolution CCD, 12.6° x 9.5° FOV with laser pointer see spot capability

Narrow FOV Color high resolution CCD, 3° x 2.25° FOV

#### Laser Rangefinder

Wavelength Diode laser  
 Lasing range Eyesafe Class 1m 1.55µm  
 10 – 2500 m for NATO target

#### Digital Magnetic Compass

Azimuth accuracy 0.5 deg.

#### GPS

Integral GPS receiver  
 Internal video recording 8 hours  
 Eyepiece High quality monocular (binocular – optional)

#### Additional Features

Power sources Rechargeable battery; AC/CD or DC/DC adapter  
 Operating time 8 hours  
 Weight <2.2 kg incl. battery  
 Interface to BMS  
 Environmental conditions IAW MIL-STD-810F  
 Operating temperature -32° to +55° C

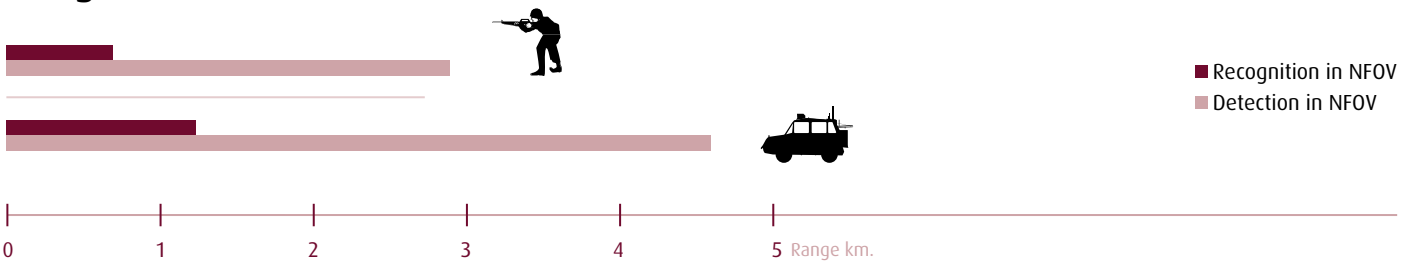


Fused Image

### Applications

- Reconnaissance and target Acquisition
- Forward observers
- Infantry commanders
- Special forces

### Range Performance:



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